

# Index

**Note to the Reader:** Throughout this index **boldfaced** page numbers indicate primary discussions of a topic. *Italicized* page numbers indicate illustrations.

## A

- abbreviations for units, 112
- absolute macro references, **612–613**
- acceptance process, 731
- accepting task changes, **577–578**, *577*, *579*
- Access databases
  - defined, 736
  - importing from, **401**
- accessing
  - e-mail addresses, **295–296**, *295*
  - resource pools, **288**, *288*
  - Web Access, **534–536**, *535–536*
- Account Properties dialog box, *504*, *504*
- accounts. *See* users and user accounts
- accrual method, 731
- Accrue At field, 160
- ActivateExcel function, *722*
- active projects, 269
- ActiveX technology, 688
- activities
  - analyzing, **20–25**, *21*, *24–25*
  - defined, 731
  - planning, **43–47**, *43–47*
  - in schedule development, 27
- Activities Pane, 537
- Actual Cost of Work Performed (ACWP)
  - defined, 731
  - in earned value analysis, *242–244*
- Actual Costs field, **233**
- Actual Duration field, **232**
- Actual Finish field, **232**
- actual information, 731
  - resources, **530–532**, *530–532*
  - updating tasks with, **231–238**, *234–238*
- Actual Start field, **232**
- Actual Work field, **233**
- ACWP (Actual Cost of Work Performed)
  - defined, 731
  - in earned value analysis, *242–244*
- adaptive menus, 731
- Add Category page, *480*, *481*
- Add Content table, 496
- Add New Template dialog box, *483*, *483*
- Add Procedure dialog box, *664*, *664*
- Add Progress Lines button, 236
- Add User page, *471*, *471*
- Add Version page, *490*, *490*
- additional calendars, **100**, *100*
- Address Book dialog box, 312
- address books
  - adding resources to, **157–158**, *157–158*
  - for assignments, 192
- addresses, e-mail
  - accessing, **295–296**, *295*
  - links to, 377
  - in projects, 162
- Admin tab, 539
- administering
  - Server, *469*, *469*
  - views, **484–486**, *485*
- Administration Overview page
  - for Portfolio Analyzer, *564*
  - for Server, *469*, *469*, *488*
  - for Web Access, 539
- Administrators
  - defined, 731
  - in enterprise-wide projects, 503
- Administrators group, 473
- Advanced tab
  - for constraints, *52*, *52*, *146*, *146*, *148–149*
  - for effort-driven tasks, *186–187*, *187*
  - for milestones, 46
  - for value lists, 633
- Align Left button, 172
- Align Right button, 172
- Allow Cell Drag And Drop option, 588
- alternative resources, 731
- Always Show Full Menus option, 596
- analysis
  - activities, **20–25**, *21*, *24–25*
  - earned value, *34–35*, **241–245**, *243–245*
  - force-field, *255–256*
  - portfolio models, **560–567**, *561*, *565–567*
  - resources, **570**, *571*
  - results, **454–455**, *454–455*
  - variances, **34–36**, *34*, *36*
- Analysis Services, 465
- Analyze Timescaled Data Wizard, **413–414**, *414–415*
- And operator, 346
- Answer Wizard, 81
- Application object, **689–693**
- application window, *71–72*, *72*
- applications, **687–688**
  - for charged costs, *712–715*, *713*
  - error handling in, **706–708**, *708*
  - for linked expenses, *715–726*, *722*

- managing, 709–710, 710
  - object binding in, 711–712, 712
  - Project object model for. *See* Project object model
  - user forms in. *See* user forms
  - applying
    - constraints, 146, 146
    - tables to views, 78–79, 79
  - arithmetic operators, 675
  - arranging multiple projects, 269–270, 269
  - As Late as Possible constraint
    - defined, 731
    - description, 145
  - As Soon as Possible constraint
    - defined, 731
    - description, 145
  - Ask a Question help, 80
  - Ask To Update Automatic Links option, 589
  - Assign Resources dialog box, 49–50, 49, 181–185, 181–182, 192
    - for address book resources, 157–158, 157–158
    - for overallocated resources, 216
  - Assigned To filter, 344
  - Assignment Details area, 367
  - Assignment Information dialog box, 198, 198
    - for contours, 200, 200, 208, 208
    - for overallocated resources, 215, 215
  - Assignment object, 695
  - Assignment reports, 362–363, 363
  - Assignment Rows map, 385
  - Assignment table, 382
  - assignments, 177–178
    - calculations in, 186–187, 187
      - default task types in, 191, 191
      - for effort driven tasks, 188, 190–191
      - for fixed duration tasks, 189–191
      - for fixed-unit tasks, 187–188
      - for fixed work tasks, 188–189
    - contouring. *See* contours
    - custom fields for, 630–631
    - defined, 731
    - duration, work, and units in, 178–181, 178–181, 731
    - reports for, 362–363, 363
    - resources
      - Assign Resources for, 49–50, 49, 181–185, 181–182, 192
      - defined, 739
      - materials, 194–195, 195
      - overallocated, 215, 215
      - in Professional and Server versions, 194
      - rate tables for, 197–198, 197–198
      - Task Form for, 193–194, 193
      - viewing, 290, 290
      - in Web Access, 570, 570
    - reviewing, 195–196, 196–197
    - tasks
      - process, 60–62, 61–62
      - to workgroup members, 299–304, 299–303
      - viewing, 290, 290
  - attaching documents to tasks, 114–115
  - attributes for custom fields, 633–636, 634–636
  - authentication, 476, 483–484, 484
  - Authentication Required When Publishing from Microsoft Project option, 483
  - AutoCorrect feature, 125–126, 126
  - AutoFilter feature
    - defined, 731
    - for duration, 253, 253
    - for tasks and resources, 280, 280
    - for views, 345–349, 345–346
  - Autolink feature, 139, 139
  - Autolink Inserted Or Moved Tasks option, 591
  - Automatic Connection option, 505
  - automatic operations
    - adding resources, 174–175
    - correcting errors, 125–126, 126
    - leveling resources, 217, 217
    - macros for. *See* macros
  - AutoSave option, 86–87, 87
  - availability of resources
    - entering, 164–165, 164–165
    - in Web Access, 569–570, 569
- ## B
- BAC (Budget at Completion)
    - defined, 732
    - in earned value analysis, 243–244
  - Back Load contours, 200, 201
  - Bar Rounding feature, 321
  - Bar Splits option, 340
  - Bar Styles dialog box, 321, 321, 323, 323, 614, 614
  - bars in Gantt charts
    - color of, 666–667, 666
    - formatting, 322–324, 323
  - Base Calendar field, 160
  - Base Calendar report, 364
  - base calendars
    - defined, 731
    - for working times, 166–167
  - Baseline Cost, 243
  - baseline data, 226
    - clearing, 228, 228
    - defined, 732
    - editing, 228
    - saving, 58–59, 227, 227
    - variances from, 239, 239
    - viewing, 227–228, 227
  - baseline dates, 732

- baseline plans, 732
  - BCWP (Budgeted Cost of Work Performed)
    - defined, 732
    - in earned value analysis, 242–244
  - BCWS (Budgeted Cost of Work Scheduled)
    - defined, 732
    - in earned value analysis, 242–244
    - in variance analysis, 34
  - Bell contours, 204, 205
  - binding objects, 711–712, 712
  - Boolean data type, 670
  - bottom up estimating, 732
  - bottom-up task planning, 109
  - Box Styles dialog box, 327–329, 328
  - breaking links, 430
  - broken links, 139, 139
  - Budget at Completion (BAC)
    - defined, 732
    - in earned value analysis, 243–244
  - Budgeted Cost of Work Performed (BCWP)
    - defined, 732
    - in earned value analysis, 242–244
  - Budgeted Cost of Work Scheduled (BCWS)
    - defined, 732
    - in earned value analysis, 242–244
    - in variance analysis, 34
  - budgets
    - application for, 712–715, 713
    - defined, 732
    - optimizing, 55, 55
    - reports for, 362, 452, 452
    - statistics for, 64, 64, 67
  - Build Team dialog box, 526–530, 527
  - Bulleted Left button, 172
  - buttons
    - for custom forms, 652
    - for message boxes, 681, 684
    - properties for, 700–701, 701
    - on toolbars, 619
  - Byte data type, 670
- C**
- calculated fields, 636, 636
  - Calculation tab, 592, 592
  - calculations
    - in assignments, 186–187, 187
      - default task types in, 191, 191
      - for effort driven tasks, 188, 190–191
      - for fixed duration tasks, 189–191
      - for fixed-unit tasks, 187–188
      - for fixed work tasks, 188–189
    - for contours, 206–207, 207
    - in PERT, 261–262, 262
    - project options for, 592, 592
      - for resource requirements, 183–185, 183–184
      - for summarization, 636–637, 636
  - Calendar tab, 589–590, 590
    - for default options, 96–97, 96
    - for work hours, 41–42, 42
  - calendars and Calendar view, 318
    - accepting and rejecting, 577, 577
    - additional, 100, 100
    - date selection in, 318–320, 319–320
    - defined, 732
    - for enterprise-wide projects, 508–509, 509
    - formatting, 320–321, 321
    - options for, 96–97, 96, 589–590, 590
    - printing, 100–101, 101
    - selecting, 94
    - standard, 95–96, 96, 166
    - and task duration, 111–112
    - for working times, 41–42, 42, 97–99, 98–99, 166–169, 167–168
  - Calendars groups, 604
  - Calendars tab, 605, 605
  - CALs (client access licenses), 535
  - Cancel buttons, 702–703, 703
  - Cancel parameters, 692
  - Caption property, 701–702
  - Cash Flow report, 362
  - categories for security, 476, 477
    - adding, 480–481, 481
    - deleting, 481
    - managing, 477, 478
    - modifying, 478–480, 478–480
  - Categories page, 476–478, 477
  - Cell object, 695–697
  - Center button, 172
  - certificates, 623–624
  - Change Password page, 540, 540
  - change request processes, 225
  - Change Working Time dialog box
    - for additional calendars, 100, 100
    - for Calendar page, 96–97, 96
    - for default working times, 41, 41, 169
    - standard calendar for, 95–96, 96
    - for working times, 97–99, 98–99
  - ChangeAssignedRateTable procedure, 714
  - changes. *See also* editing and modifying
    - in menu and toolbar options, 596–597, 596
    - in Web Access
      - accepting and rejecting, 577–578, 577, 579
      - rules for, 578–579, 579
  - Charged Costs application, 687, 712–715, 713
  - Check In Enterprise Projects option, 489
  - Check In Enterprise Resources option, 490
  - Check Names dialog box, 296–297
  - CheckBox controls, 699
  - child elements, 732

- Choose Projects screen, 531
- Choose Related Projects screen, 531
- Choose Resources screen, 531, 531
- Choose Scheduling Options screen, 531
- Choose Update Options screen, 531
- Clean Up Microsoft Project Server Database screen, 498, 498
- Clear Baseline dialog box, 228, 228
- clearing
  - baselines, 228, 228
  - resource leveling delays, 221
- client access licenses (CALs), 535
- closing
  - files, 90
  - projects, 67, 445
    - communicating results in, 455–456
    - project reviews in, 447–449
    - reasons for, 445–446
    - reports in, 449–453, 450–453
    - with resource pools, 289, 289
    - views in, 454–455, 454–455
  - Resource Information dialog box, 173–174, 174
- cmdApplyLink\_Click procedure, 724
- cmdCancel\_Click procedure, 703, 723
- cmdSaveSetting\_Click procedure, 707
- Code field, 160
- code in VBA, 656, 662–663
  - for controls, 702–709, 703–705, 708
  - procedures, 656, 660, 663–664
    - creating, 664–665, 664
    - for Gantt bar color, 666–667, 666
    - help for, 665–666, 665
- code masks, 511, 639
- Code window, 659, 659
- Collaborate menu, 16, 16
- Collaborate tab, 593, 594
  - for e-mail, 60, 60, 299, 299
  - for workgroups, 163, 163
- Collaborate toolbar, 236, 311
- collaboration, 11
  - e-mail, 33, 60, 60, 299, 299
  - in Project 2002, 15–17, 16
  - project options for, 593, 594
  - tools for, 10
- collections, 666, 668–669
- color of Gantt bars, 666–667, 666
- Column Definition dialog box
  - for duration, 180, 180
  - for hiding columns, 160–161, 160
  - for interim plans, 230
  - for numbering, 119, 119
  - for resource leveling, 219, 219, 223
  - for Resource Sheets, 334, 334
  - for sources, 276–277, 277
  - for tables, 337
- columns
  - hiding, 160–161, 160
  - printing, 358, 358
  - in Resource Sheets, 160, 160
  - for tasks, 116, 116
- COM (Component Object Model), 688
- COM Add-Ins dialog box, 260, 260
- ComboBox controls
  - in linked expense application, 722–723
  - in user forms, 699
- comma-separated values (CSV) files
  - exporting, 415
  - importing, 397
  - support for, 382
- command bars, 595–596
  - changing options on, 596–597, 596
  - creating, 598–599, 598
  - macros on, 618–622, 620–622
  - personalized, 597–598, 597
- CommandButtons
  - in linked expense application, 722–723
  - in user forms, 699
  - in VBA, 660–661, 661
- Commands and Options dialog box, 567
- Commands tab
  - for menus and toolbars, 597–598, 597, 620–622, 620
  - for PERT, 259
- comments in VBA, 659
- Commercial Construction template, 600
- committed costs, 732
- communication, 293–294
  - e-mail, 33, 294–297, 295, 297
  - importance of, 7
  - of plans, 55–58, 56–58
  - from Project, 294
  - in project management, 29–30
  - reports for. *See* reports
  - of results, 455–456
  - setting up, 59–60, 59
  - of tasks
    - assigning, 60–62, 61–62
    - updating status of, 62–63, 62–63
    - workgroup messages, 298–299, 299
- Company E-mail Address setting, 497
- Compare to Baseline map, 383
- comparing portfolio models, 562–563, 563
- comparison operators, 676
- % Complete button, 236
- % Complete field, 232
- completed projects, 446
- Completed Tasks report, 360
- completion dates, 732
- Component Object Model (COM), 688
- concept stage, 5

- conditional structures, 677–678
- Configure Enterprise Fields dialog box, 512
- Confirmed filter, 344
- Confirmed Assignments filter, 345
- conflict management, 732
- conflicts
  - constraint, 148–149
  - with links, 285–286
  - in resource leveling, 220, 221
- Connect to Servers page, 488
- consolidated resource names, 154–155
- consolidating projects, 271–273, 272–273
- constants
  - for message boxes, 680
  - in VBA, 669
- constraints, 4
  - applying, 146, 146
  - conflicts in, 148–149
  - defined, 732
  - deleting, 148
  - flexible and inflexible, 146–147
  - with overallocated resources, 218
  - in resource leveling, 52, 52
  - reviewing, 147–148, 447
  - for tasks, 145–149, 146–147
- consumable resources, 732
- contacts for tasks, 310
- Contacts Properties dialog box, 296
- Contains test, 347
- Contains Exactly test, 347–348
- content
  - of reports, 366–367, 367–368
  - in Web Access, 496
- Contents page in Help, 80–81, 80
- Contents tab for projects, 103, 103
- contingencies, 732
- contingency plans
  - creating, 253–254
  - defined, 732
  - storing, 255, 255
- contours
  - calculations for, 206–207, 207
  - defined, 732
  - editing, 207–208, 208
  - predesigned, 199–204, 200–204
  - task type interaction with, 206–207, 206
- controls, 645, 660–662, 662
  - code for, 702–709, 703–705, 708
  - placing, 700–702, 700, 702
  - selecting, 698–700, 698
- Convert Table to Text dialog box, 397, 397
- converting
  - data types, 671–672
  - objects, 423–424
- copies, opening files as, 86
- Copy Picture dialog box, 374–375, 375, 443–444, 444
- copying, 426–427, 427, 429
  - Excel data, 434
  - forms, 648
  - graphic images, 437
  - objects, 430–431, 442–444, 443–444
  - Organizer for, 605–606, 605–606
  - pictures of projects, 374–375, 375
  - between projects, 270
  - tasks, 116
- cost-accrual methods, 170–171
- Cost Data by Task map, 383
- Cost Greater Than filter, 344–345
- Cost Overbudget filter, 345
- Cost Performance Index (CPI) ratio
  - defined, 733
  - in earned value analysis, 243
- Cost table, 50, 51, 175–176, 175
- Cost Tracking form, 645–646
- Cost/Use field, 160
- cost variance (CV)
  - defined, 733
  - in earned value analysis, 243
- Cost view, 553, 554
- costs
  - application for, 712–715, 713
  - assigning. *See* assignments
  - defined, 732
  - entering, 169–171, 169–170, 175
    - fixed costs, 175, 175
    - total costs, 176
  - estimating, 27, 50–51, 51, 732
  - managing, 36, 64–65, 64–65, 732
  - as project parameter, 4
  - reports for, 361–362, 362
  - viewing and printing, 176
- Costs tab
  - for entering costs, 169–171, 169
  - for rates, 197, 197
- Count setting, 367
- CPI (Cost Performance Index) ratio
  - defined, 733
  - in earned value analysis, 243
- CPM (Critical Path Method), 263–264, 263–265
  - defined, 733
  - in schedule development, 27–28
- crashing, 733
- Create a New Task page, 547, 547, 556–557, 556
- Create New Base Calendar dialog box, 100, 100, 509
- Create New Data Source dialog box, 403
- Created After filter, 344
- CreateObject function, 689
- Critical Path Method (CPM), 263–264, 263–265
  - defined, 733
  - in schedule development, 27–28

- critical paths, 65, 65
    - defined, 733
    - in optimizing schedules, 54
  - critical tasks, 733
  - Critical Tasks report, 360
  - cross-project linking, 733
  - Crosstab report, 364
  - CSV (comma-separated values) files
    - exporting, 415
    - importing, 397
    - support for, 382
  - Currency data type, 671
  - Current Activities reports, 240, 240, 360–361, 361
  - current date for projects, 93–94, 94
  - Custom AutoFilter dialog box, 253, 253, 346, 346, 559
  - Custom Dictionaries dialog box, 125
  - custom fields, 627
    - for assignments, 630–631
    - creating, 632–638, 633–638
    - deleting, 638
    - for enterprise-wide projects, 501
      - applying, 518–520, 519, 525–526, 526
      - creating, 513–514, 513–514
    - for resources, 629–630
    - for tasks, 628–629
    - uses for, 631–632
  - Custom fields tab, 513, 513, 632–633, 633
  - custom forms
    - creating, 645–648, 648
    - editing, 649–653, 649–652
    - opening, 647, 647
    - purpose of, 646–647
  - custom outline codes, 639–640
    - creating, 640–642, 640–641
    - for grouping tasks and resources, 643–644, 644
    - lookup tables with, 642–643, 642
    - sorting by, 645, 645
  - Custom Outline Codes tab, 510, 511, 640–641, 641
  - Custom Reports dialog box, 353
    - available reports in, 364, 366
    - for overallocated resources, 210
  - Custom tab
    - for document properties, 704–705, 705
    - for project properties, 104–105, 104
  - customization tools, 10
  - Customize dialog box
    - Commands tab, 597–599, 597, 620–622, 620
    - Options tab, 596, 596
    - for PERT, 259
    - Toolbars tab, 74, 74, 598, 598
  - Customize Enterprise Fields dialog box, 510–511, 511, 513, 513
  - Customize Fields dialog box
    - for calculated fields, 636
    - for creating fields, 632–633, 633, 638–639, 716–717
    - for display options, 637
    - for outline codes, 640–641, 641
    - for value lists, 634
  - Customize Form Editor, 647–648
  - Customize Forms dialog box, 647–648, 647, 653
  - Customize Group By dialog box, 643–644, 644
  - Customize Published Fields dialog box, 313–314, 314
  - Customize Workgroup dialog box, 314
  - CV (cost variance)
    - defined, 733
    - in earned value analysis, 243
- ## D
- dangles, 733
  - data maps, 382–385
  - Data screen, 412, 418, 418, 420
  - Data Source Name column, 403
  - Data Template Definition dialog box, 328–329, 329
  - Data Templates dialog box, 328–329
  - data tracking planning, 500–501
  - data types, 670–672
  - databases
    - defined, 733
    - exporting to, 416–420, 417–419
    - importing from, 399–404, 400, 402–403
    - for Server, 462, 465, 498, 498
  - Date Boxes tab, 320, 320
  - Date data type, 671
  - Date Format setting, 339
  - Date Range dialog box, 361, 361
  - Date Range filter, 344–345
  - Date Shadings tab, 320, 320
  - dates
    - in Calendar view, 318–320, 319–320
    - for projects, 93–94, 94, 98
    - for resource availability, 164, 164
    - selecting, 98, 167–168
  - Day by Day setting, 217
  - days in projects, 97
  - deadlines
    - defined, 733
    - setting, 149
  - death marches, 7
  - Decimal data type, 671
  - declaring variables, 673–674, 674
  - default calendar, 96–97, 96
  - Default E-mail Message setting, 497
  - Default Method for Reporting Progress on Tasks setting, 491
  - Default property for buttons, 701
  - Default Task Information map, 383
  - default task types, 191, 191
  - Define Code Mask dialog box, 642
  - Define Current Tasks setting, 492
  - Define Custom Form dialog box, 649, 649

Define Group Interval dialog box, 350, 350, 644  
 Define New Report dialog box, 377, 377  
 Define New View dialog box, 340–341, 341  
 defining projects, 40–43, 40–43  
 definition stage in project cycle  
     characteristics of, 5–6  
     defined, 733  
 Definition tab, 366, 366  
 Delay table, 336  
 delays  
     defined, 733  
     for tasks, 141–144, 142–143, 223  
 Delegate Tasks Wizard, 548–549, 549  
 delegating  
     defined, 733  
     tasks, 548–549, 548–549  
 Delegation tab, 548, 548  
 deleting  
     categories, 481  
     constraints, 148  
     custom fields, 638  
     Gantt chart information, 323  
     links, 286  
     macros, 618  
     Organizer for, 606–607, 607  
     properties, 105  
     resource pools, 291  
     resources, 525  
     security templates, 483  
     split tasks, 145  
     subprojects, 281, 281  
     tables, 339  
     tasks, 117  
     user accounts, 475  
     views, 486  
 deliverables, 7, 733  
 dependencies  
     defined, 733  
     external, 250–251, 251  
 Description column, 403  
 design in project cycle, 6–7  
 Detail Gantt view, 221, 222  
 Detail Styles dialog box, 331, 331  
 Details tab, 366–367, 367  
 Detect and Repair help, 83  
 deterministic estimated duration, 257  
 development stage in project cycle  
     characteristics of, 7–8  
     defined, 733  
     reviewing, 448–449  
 dictionaries for spell checking, 124–125  
 digital certificates, 623–624  
 direct costs, 733  
 Directories and Address Books screen, 297  
 Directory or Address Book Type screen, 296

display issues in macros, 618–619  
 display options for fields, 637–638, 637–638  
 displaying graphics areas, 431–432  
 DlgLinkExcellCell form, 723–724  
 Do/Loop While loops, 679  
 Do Until loops, 680  
 Do While loops, 679  
 document library  
     defined, 734  
     in Web Access, 580–581, 581  
 DocumentProperties object, 706  
 documents  
     attaching to tasks, 114–115  
     inserting, 433, 433  
     properties of, 704–705, 705  
 Documents Center, 580, 581  
 Documents tab, 539, 580  
 Does Not Contain test, 347  
 Does Not Equal test, 346  
 Double data type, 670  
 Double Peak contours, 202, 203  
 downtime, hiding, 358  
 drag-and-drop, 136–137  
 Draw menu, 374  
 Drawing toolbar, 372, 372  
 drawing tools, 371–372, 371–372  
     for drawing objects, 372  
     for formatting objects, 372–374, 373  
 drivers, ODBC, 401–402  
 driving resources, 734  
 DSN Name field, 403  
 duration  
     in assignments, 178–181, 178–181  
     defined, 734  
     estimates for  
         PERT for, 257–262, 259–263  
         refining, 155  
     of split tasks, 145  
     of tasks, 45–46, 45, 111–112, 112  
 duration compression, 734

## E

e-mail, 294  
     addresses for  
         accessing, 295–296, 295  
         links to, 377  
         in projects, 162  
     for communication, 33, 60, 60  
     names in, 296–297, 297  
     for task assignments, 60–62, 61–62  
     in Web Access Home page, 541–542, 541–542  
     for workgroup messages, 298–299, 299  
 E-mail Accounts window, 296–297

- EAC (Estimate at Completion)
  - defined, 734
  - in earned value analysis, 243–244
- early binding, 711–712, 712
- early dates, 734
- early finish dates, 734
- Early Peak contours, 202, 203
- early start dates, 734
- earned value analysis, 34–35, 241–243, 243
  - applying, 245, 245
  - cost estimates in, 243–245, 244
  - defined, 734
  - ratios in, 243–244
  - variances in, 24–244
- Earned Value form, 645
- Earned Value Information map, 383
- Earned Value reports, 362, 452–453, 453
- Earned Value table, 337
- Earned Value view, 554, 554
- Edit Directly In Cell option, 589
- Edit Lookup Table dialog box, 511, 512, 642–643, 642
- Edit Message Text dialog box, 61, 61, 300, 300, 304–305
- Edit Points feature, 374
- Edit tab, 588–589, 589
- editing and modifying
  - baselines, 228
  - calendars, 98–99, 98–99
  - categories, 478–480, 478–480
  - contours, 207–208, 208
  - dictionaries, 125
  - fields, 570
  - forms, 648–653, 649–652
  - Global Template, 507–508, 508
  - macros, 617, 617
  - menu and toolbar options, 596–597, 596
  - passwords, 540–541, 540
  - portfolio models, 562, 562
  - project options for, 588–589, 589
  - properties, 105
  - relationships, 137–141, 137, 139–141
  - resource pools, 290–291, 290
  - resources, 524–525, 525
  - Summary Task Information, 587
  - tasks, 115–117, 116–117
  - templates, 481–482, 482, 603
  - user accounts, 474–475
  - views
    - in Server, 484–485, 485
    - in Web Access, 555, 555
  - working days, 550–551, 550
- Editor tab, 674, 674
- Effort Driven task settings, 186–187
- effort-driven tasks, 185–188, 190–191
- elapsed duration, 112, 112
- elapsed time, 734
- embedding
  - Excel data, 442
  - graphic images, 437
  - objects, 424–428, 427–428
- end activities, 734
- End cost-accrual option, 170
- End of Map Definition screen
  - for exporting data, 409, 412, 416, 419, 421
  - for importing data, 389, 395, 398
- end-of-project
  - reports in, 449–453, 450–453
  - views in, 454–455, 454–455
- End-User License Agreement (EULA) page, 464
- Engineering template, 600
- Enterprise Configuration, 462
- Enterprise Custom Fields dialog box, 514
- Enterprise Implementation Framework, 461
- enterprise-wide projects, 499
  - custom fields for, 501
    - applying, 518–520, 519, 525–526, 526
    - creating, 513–514, 513–514
  - defined, 734
  - existing, 515–516, 516
  - Global Template for, 506–510, 508–509
  - importing into, 516–518, 516–518
  - logging on to, 503–505, 504–505
  - managing, 488–490, 489–490
  - new, 514–515, 515
  - outline codes for, 501
    - applying, 518–519, 519, 525–526, 526
    - creating, 510–512, 511–512
  - planning, 499–503
  - resource pools in, 156, 501, 520–521
    - adding resources to, 521–522, 522
    - defined, 734
    - deleting resources in, 525
    - importing resources for, 522–524, 523–524
    - modifying resources in, 524–525, 525
  - resources in
    - actual, 530–532, 530–532
    - adding, 526–528, 527–528
    - defined, 734
    - filtering, 528, 528
    - generic, 528–530, 529–530
    - versions of, 520
- enterprises
  - defined, 734
  - Project 2002 for, 15–17, 16
  - sharing resources across, 292
- Entry bar
  - for relationships, 139
  - for text, 72
- Entry form, 646
- Entry-Material Resources table, 337
- environmental risks, 255–257

Equals test, 346

errors

- in applications, 706–708, 708
- in importing, 390–391
- in tasks, 125–126, 126

Estimate at Completion (EAC)

- defined, 734
- in earned value analysis, 243–244

estimates

- for costs, 27, 50–51, 51, 734
- defined, 734
- PERT for, 258–261, 259–261
- for resource requirements, 152–156

EULA (End-User License Agreement) page, 464

evaluation of projects, 449

- tables for. *See* tables
- views for. *See* views

evaluation stage in project cycle

- characteristics of, 8
- defined, 734

event-driven languages, 656, 660

event procedures, 656, 702

events in VBA, 660–661, 660–661

Excel application

- defined, 736
- embedding and linking data in, 442
- exporting to, 411–414, 412, 414–415
- importing from, 392–395, 393–396
- inserting, 433–435
- in linked expense application, 717

Excel\_Budget\_Add\_Link macro, 717–718

Excel\_Budget\_Deactivate macro, 718, 721

Excel\_Budget\_Remove\_Link macro, 717–719

Excel\_Budget\_Show macro, 719

Excel\_Budget\_Update\_Links macro, 718–720

Excel\_Budget\_Workbook\_Link macro, 717, 720

Excel\_Budget\_Workbook\_Unlink macro, 717, 720–721

executable applications, 709

Executives, 474, 503

Existing Database screen, 419, 419

expectation management, 225–226

expected task duration, 258

expected view in PERT, 261

expense applications, 687–688, 715–726, 722

explicit variable declarations, 673–674, 674

Export Head Row option, 408

Export table, 337

Export to HTML Using Standard Template map, 383

Export Wizard. *See* exporting

exporting, 379

- data maps for, 382–385
- to databases, 416–420, 417–419
- defining data for, 406–409, 407–408
- to Excel, 411–414, 412, 414–415
- file formats in, 380–382

- HTML data, 420–423, 421–422
- to Project 98, 409–410, 410
- to text files, 415–416, 416
- tools for, 406
- XML data, 423

exposed objects, 688

extensible markup language (XML) files, 382

- defined, 741
- exporting, 423
- importing, 404, 404

external dependencies

- defined, 734
- tasks with, 250–251, 251

External Predecessors tab, 285

External Successors tab, 285

## F

fast print feature, 90

fast tracking, 734

Features page, 486–489, 487, 489

fields

- in applications, 716–717
- for assignments, 630–631
- custom. *See* custom fields
- for custom forms, 649–650, 649–650
- editing, 570

Fields groups, 605

Fields tab, 638

File Data Source tab

- for exporting data, 420
- for importing data, 402–403, 402

File Data Sources setting, 403

file formats, 380–382

File Open dialog box, 394

File Origin setting, 408

File Save dialog box, 411

file types, 84

files

- closing, 90
- opening, 83–86, 83–85
- posting to public folders, 313, 313
- routing, 311–312, 311–312
- saving, 86–87, 87
- sending to printers, 90

Filter Definition dialog box, 348–349, 348

Filter, Group, Search tab, 552–553, 552, 568–570, 569, 578

Filter setting, 367

filtering

- in printing, 56, 57
- resources, 528, 528
- tasks

- in master projects, 280–281, 280–281
- in Web Access, 546–547, 546

- views, **344–349**, *345–346*, *348*
  - in Web Access
    - projects, **552–553**, *552*
    - tasks, **546–547**, *546*
- Filters groups, 604
- finish dates, 734
- Finish No Earlier Than constraint, 145
- Finish No Later Than constraint, 145
- finish-to-start (FS) task relationships, **129**, *129*
- fixed consumption, 734
- fixed costs, 50
  - defined, 734
  - entering, **175**, *175*
- fixed dates, 734
- fixed duration tasks
  - calculations for, **189–191**
  - defined, 735
- fixed material consumption, 195
- fixed-unit tasks
  - calculations for, **187–188**
  - defined, 735
- fixed work tasks, **188–189**
- flagging tasks, **251**
- Flat contours, 198, **200**, *201*
- flexible constraints, **146–147**, *147*
- float time, 735
- flowcharts, 23–25, *24*
- Folder Options dialog box, 380
- Footer tab, 89, *89*, *355*, *355*, *441*, *442*
- footers
  - graphics for, **440–442**, *440*, *442*
  - in page setup, **355–356**, *355–356*
  - in printing, **89–90**, *89*
- For/Next loops, **678–679**
- force-field analysis, 255–256
- Form Information dialog box, 653
- Format Drawing dialog box, **372–374**, *373*
- Format Font button, 172
- formats
  - file, **380–382**
  - time, **99**
- formatting
  - Calendar, **320–321**, *321*
  - Gantt Chart view bars, **322–324**, *323*
  - objects, **372–374**, *373*
  - tables, **337–338**, *338*
  - task list text, **326**, *326*
  - tasks, **545**, *545*
  - views, **339–340**, *339–340*
- forms
  - in applications. *See* user forms
  - custom
    - creating, **645–648**, *648*
    - editing, **649–653**, *649–652*

- opening, **647**, *647*
- purpose of, **646–647**
- for links, **134–136**, *135–136*, **138**, **143**

Forms groups, 604

Formula dialog box, 514, *514*, 636, *636*

forward compatibility, 392

Frame controls, 699

free float time, 735

From Address setting, 497

Front Load contours, **202**, *202*

FS (finish-to-start) task relationships, **129**, *129*

functions in VBA, 663

## G

Gantt Chart Entry table, 228

Gantt Chart Formats page, 492, *492*

Gantt Chart Wizard, 324

Gantt charts, 28
 

- bars in
  - color of, **666–667**, *666*
  - formatting, **322–324**, *323*
- defined, 735
- drawing tools for, **371–374**, *371–372*
- for end of project, **454–455**, *454–455*
- graphics area in, 432
- gridlines in, **325**, *325*
- for grouping resources, 280
- for links, 431
- for milestones, 46
- printing, 56, *57*
- progress lines on, 240–241, *240*
- Project Guide for, 39
- for resource leveling, 221, *222*
- in schedule development, 27–28, *28*
- for sorting projects, 278
- taskbars on, 137
- tasks in, **109–111**, *110*
  - assignments, 302
  - editing, **115–117**, *116–117*
  - entering, 43–44, **111–114**, *112–113*
  - with external dependencies, 250, *251*
  - outlining, **117–120**, *118–119*
  - recurring, **120–122**, *121–122*
  - with uncertain duration, 250
- text in, **326**, *326*
- timescales in, **324–325**, *324*
- views in, 25–26, *25*, *72*, *76*, **322–326**, *323–326*
- in Web Access, **492–493**, *493*, **546**, *546*

- general project options, **587–588**, *588*
- General tab
- for authentication, 476
- for collaboration, 60
- for contours, 200, *200*, 208, *208*
- for e-mail addresses, 295, *295*

- for generic resources, 529
- for inserted projects, 275–276, 275
- for pay rates, 160
- for project options, 587–588, 588
- for projects, 102, 103
- for rates, 198, 198
- for resource availability, 164–165, 165
- for resources, 161–163, 161, 174
- in Task Information, 43–44, 43
- generic resources, 153
  - defined, 735
  - in enterprise-wide projects, 528–530, 529–530
- Getting Started help, 82
- GetXlsBudgetPath function, 721
- global applications, 709–710
- global settings, 586
- Global (global.mpt) template
  - for applications, 710
  - copying from, 605–606
  - for enterprise-wide projects, 506–510, 508–509
  - for import/export maps, 382
  - for macros, 612
  - modifying, 507–508, 508, 603
  - for new projects, 599
  - protecting, 509–510, 509
- Go Offline page, 543, 543
- goals, 735
- graphic objects
  - drawing tools for, 371–374, 371–373
  - embedding and linking, 437
  - formatting, 372–374, 373
  - for headers, footers, and legends, 440–442, 440, 442
  - inserting, 437
  - in views and reports, 368–371, 369–370
- graphics areas, 431–432
- Gridlines dialog box, 325, 325
- gridlines in Gantt charts, 325, 325
- group boxes, 652, 652
- Group dialog box, 214, 214
- Group Definition dialog box, 349–350, 349
- Group field, 159
- Group filter, 345
- grouping
  - formats, 493, 493
  - projects, 553, 553
  - resources, 643–644, 644
  - tasks, 643–644, 644
    - in master projects, 280–281, 280–281
    - in Web Access, 546–547, 546
  - views, 349–350, 349–350
- Grouping Formats page, 493, 493
- groups, 472, 472
  - defined, 735
  - in Organizer, 604–605
  - for users, 473–474

## H

- hardware for Server, 461
- Header tab, 355, 355, 440–441, 440
- headers
  - graphics for, 440–442, 440, 442
  - in page setup, 355–356, 355–356
  - in printing, 89–90, 89
- help, 79–83, 80
  - in VBA, 665–667, 665
  - Web links for, 727–730
- Help tab, 539
- hiding
  - columns, 160, 160
  - downtime, 358
  - networking time, 325
  - open projects, 270
  - task outline levels, 118–119, 118
- High security level, 624
- histograms, 735
- historical data in PERT, 258
- Home Move template, 601
- Home Page Format page, 494, 495
- Home page in Web Access, 536–538, 537
  - formatting, 494–496, 495
  - navigation tabs in, 538–539
  - offline, 543–544
  - working with, 539–544, 540–544
- Home tab, 538
- Hour by Hour setting, 217
- HTML files
  - exporting data to, 420–423, 421–422
  - support for, 382
- Hyperlink table, 336
- hyperlinks, 425–426
  - inserting, 438–440, 439
  - in reports, 375–377, 376

## I

- icons for message boxes, 681
- ID field, 159
- If statements, 677–678
- IIS (Internet Information Server), 462
- Image controls, 700
- immediate activities, 735
- implementation, reviewing, 449
- implementation stage in project cycle
  - characteristics of, 8
  - defined, 735
- implicit variable declarations, 673–674
- Import Complete screen, 518, 524
- Import Mode screen, 386–387, 395, 404, 404
- Import Outlook Tasks dialog box, 405, 405
- Import Projects Wizard, 516–518, 517–518
- Import Resources Wizard, 521–524, 523–524, 529

Import Wizard. *See* importing

importing, **379**

- data maps for, **382–385**
- database data, **399–404**, *400*, *402–403*
- in enterprise-wide projects, **516–518**, *516–518*
- errors in, **390–391**
- from Excel, **392–395**, *393–396*
- file formats in, **380–382**
- non-project data, **385–391**, *386–388*, *390*
- from previous versions, **391–392**
- resources, **522–524**, *523–524*
- task lists, **405**, *405*
- text files, **396–398**, *397*, *399*
- views
  - in Organizer, **341–342**, *342*
  - in Server, **486**
- XML data, **404**, *404*

imposed finish dates, **735**

imposed start dates, **735**

in progress activities, **735**

Include Assignment Rows in Output option, **408**

Index in help, **81**

indirect costs, **735**

inflexible constraints, **146–147**, *147*

information communication, **29–30**

information setup, **92–94**, *92–94*

Information Viewer, **72**

Infrastructure Deployment template, **601**

Initials field, **159**

input boxes, **684–685**, *685*

InputBox statement, **684–685**, *685*

Insert Hyperlink dialog box, **376–377**, *376*, *438–439*, *439*

Insert Object button, **172**

Insert Object dialog box
 

- for documents, **433**, *433*
- for embedding objects, **427**, *428*, *436*
- for graphic objects, **368–370**, *370*, *437*
- for linking objects, **429**, *436*
- for notes, **114–115**, *173*, *173*
- for video files, **438**

Insert Picture dialog box, **441**

Insert Project dialog box, **274**, *274*

Inserted Project Information dialog box, **275–276**, *275*

inserting objects, **432**

- documents, **433**, *433*
- embedded, **427**, *428*, *436*
- Excel, **433–435**
- graphic, **368–370**, *369–370*, **437**
- hyperlinks, **438–440**, *439*
- linked, **429**, *436*
- notes, **114–115**, *173*, *173*
- PowerPoint, **435–436**, *436*
- projects, **273–275**, *274*
- tasks, **116**
- video and sound files, **438**

installing
 

- dictionaries, **124**
- ODBC drivers, **401–402**
- Server, **460–466**, *464–467*

Integer data type, **670**

integration, **735**

Interface tab, **595**, *595*

interim plans
 

- defined, **735**
- tracking, **229–230**, *229*

Internet Information Server (IIS), **462**

interproject dependencies, **251**

intuitive planning tools, **9–10**

Is Greater Than test, **346**

Is Greater Than Or Equal To test, **346**

Is Less Than test, **346**

Is Less Than Or Equal To test, **347**

Is Not Within test, **347**

Is Within test, **347**

isolated activities, **735**

Issues Area in Web Access, **537**

Issues tab in Web Access, **539**

Item Information dialog box, **649–651**, *649*

## J

Journal Options dialog box, **308**, *308*

## K

keywords in VBA, **668**

## L

Labels
 

- in linked expense application, **722–723**
- in user forms, **699**

lag time
 

- defined, **735**
- for tasks, **142–144**, *142–143*

Language Settings tool, **124**

languages in spell checking, **124**

Large Icons option, **597**

late binding, **711**

late dates, **735**

late finish dates, **735**

Late/Overbudget Tasks filter, **344**

Late Peak contours, **204**, *204*

late start dates, **735**

Layout dialog box, **339–340**, *339–340*

lead time, **129**

- defined, **736**
- for tasks, **142–144**, *142–143*

legend graphics area, **432**

Legend tab, **355–356**, *355*

- legends
    - graphics for, **440–441**, 440
    - in page setup, **355–356**, 355–356
    - in printing, **89–90**, 89
  - Leveling Gantt view, 53, 53, 220, 221
  - leveling resources, 51–52
    - defined, 739
    - with Project, 216, 216
      - automatic and manual, 217, 217
      - conflicts in, 220, 221
      - delays in, 221
      - launching, 220
      - overallocations in, 218–219
      - ranges in, 217–218, 218
      - without Project, 221–223, 222
      - settings for, 52–53, 53
  - libraries, document, **580–581**, 581
  - licenses in Server, 497, 497
  - Line & Fill tab, 373, 373
  - line continuation characters ( \_ ) in VBA, 662
  - Line Styles tab, 241
  - Link Type options, 339
  - Linked Expenses application, 687–688, 715–726, 722
  - Linked Fields filter, 344–345
  - links and linking, 131
    - drag-and-drop for, 136–137
    - vs. embedding, 434–435
    - Excel data, 435, 442
    - forms for, 134–136, 135–136, 138, 143
    - graphic images, 437
    - hyperlinks, 425–426
      - inserting, 438–440, 439
      - in reports, 375–377, 376
    - in notes, 377, 431
    - in outlines, 140–141, 140–141
    - to projects, 429–430, 430
    - repairing, 139, 139
    - tables for, 132–133, 132–133, 138, 143
    - Task Information for, 133–134, 133–134, 138
    - tasks, 281–286, 282–285
    - toolbar and menu commands for, 131, 131
    - in Web Access, 494, 495
  - Links dialog box, 429–430, 430
  - Links Between Projects dialog box, 251, 251, **284–286**, 285
  - List Font Names In Their Font option, 597
  - ListBox controls, 699
  - load balancing, 736
  - loading forms, 707
  - local macros, 612
  - Lock Down Defaults setting, 491
  - Log Off tab, 539
  - logging on
    - to enterprise-wide projects, **503–505**, 504–505
    - to Server, **467–468**, 468
    - to Web Access, **535–536**, 535
  - logical operators, 676
  - Long data type, 670
  - Look In setting, 403
  - lookup tables, **642–643**, 642
  - looping structures, **678–680**
  - Low security level, 624–625
- ## M
- Machine Data Source tab
    - for exporting data, 420
    - for importing data, 403, 403
  - macro applications, 709
  - Macro Recorder, 610
  - macros, 609
    - creating, **609–612**, 611
    - defined, 736
    - deleting, 618
    - editing, 617, 617
    - on menus and toolbars, **618–622**, 620–622
    - recording, 613–615, 614–615
    - references in, 612–613
    - running, 615–616, 616
    - storing, 612
    - terminating, 616–617
    - viruses in, **623–626**, 624–625
  - Macros dialog box, 615–618, 616, 659, 710
  - Manage Licenses screen, 497, 497
  - Manage My To-Do lists page, 557, 557
  - Manage Organization feature, **486–488**, 487–488
  - manager reports, 37
  - Manual Connection option, 505
  - Map screen
    - for exporting data, 418, 421
    - for importing data, 386, 395, 398
  - Map Options screen
    - for exporting data, 406, 408, 412–413, 412, 416, 416, 418, 421, 421
    - for importing data, 387, 388, 395, 395, 398, 399
  - Map Selection screen
    - for exporting data, 406, 407, 412, 416, 418
    - for importing data, 386, 387, 395, 398
  - mapped field list, 389
  - mapping
    - exported data, **408–409**, 408
    - Task table, 382
  - Maps groups, 605
  - Margins tab, 354, 354
  - master projects, 270
    - consolidating projects for, **271–273**, 272–273
    - dividing projects for, 271
    - filtering and grouping tasks in, **280–281**, 280–281
    - identifying sources in, **276–277**, 276–277
    - inserted project information for, **275–276**, 275–276
    - inserting projects for, **273–275**, 274

- linking tasks in, 281–286, 282–285
  - resource pools for, 287
    - accessing, 288, 288
    - closing projects with, 289, 289
    - creating projects from, 291, 291
    - deleting, 291
    - opening and editing, 290–291, 290
    - opening projects with, 289–290, 289–290
    - working with, 288
  - sharing in, 292
  - size of, 287
  - sorting tasks in, 277–280, 278–279
  - subproject removal in, 281, 281
- master schedules, 736
- Material Label field, 159
- material resources
- assigning, 194–195, 195
  - types of, 152–153
- Max Units field, 159
- maximum units
- defining, 154
  - setting for, 159
- MDB files
- importing, 399
  - saving projects as, 418–419, 418–419
  - support for, 381, 399
- Medium security level, 624
- Menu Animations option, 597
- menus and menu commands, 73–74, 73–74, 595–596
- changing options on, 596–597, 596
  - for links, 131, 131
  - macros on, 618–622, 620–622
  - personalized, 597–598, 597
- Menus page, 487–488, 488
- merging user accounts, 475–476
- message boxes, 680–684, 682
- messages. *See* e-mail; workgroups
- methods in VBA, 669
- Microsoft Access
- defined, 736
  - importing from, 401
- Microsoft Active Directory Deployment template, 601
- Microsoft Data Engine (MSDE), 462
- Microsoft Excel
- defined, 736
  - embedding and linking data in, 442
  - exporting to, 411–414, 412, 414–415
  - importing from, 392–395, 393–396
  - inserting, 433–435
  - in linked expense application, 717
- Microsoft Exchange 2000 Deployment template, 601
- Microsoft Office XP Corporate Deployment template, 601
- Microsoft Outlook
- defined, 736
  - for e-mail addresses, 295
  - importing task lists for, 405, 405
  - names in, 296–297, 297
  - tracking tasks in, 307–308, 308
  - transferring nonworking time from, 551
  - updating tasks in, 308–310, 309
- Microsoft PowerPoint, 736
- Microsoft Project Central, 736
- Microsoft Project Database (MPD) files, 84
- importing, 399–400
  - saving, 417, 417
  - support for, 380–381
- Microsoft Project Plan Import Export Template, 393
- Microsoft Project Project (MPP) files, 84, 380
- Microsoft Project Server. *See* Server version
- Microsoft Project Server Accounts dialog box, 504–505, 504
- Microsoft Project Task List Import Template, 393, 394
- Microsoft Project Template (MPT) files, 84, 380
- Microsoft Project Web Access Home page, 536
- Microsoft Project Web Access logon page, 535, 535
- Microsoft Project Workspace (MPW) files, 84, 269, 380–381
- Microsoft SharePoint Server Portal Deployment template, 601
- Microsoft SQL Server, 736
- Microsoft Windows 2000 Server, 736
- Microsoft Windows XP, 736
- Microsoft Windows XP Deployment template, 601
- Microsoft Word, 736
- milestones, 107
- defined, 736
  - entering, 120, 120
  - marking, 46
- Milestones reports, 360, 451, 451
- Minute by Minute setting, 217
- mismatch errors in importing, 390
- mission statements, 736
- modalities for message boxes, 681
- Modify Category page, 478, 478
- Modify Server Information page, 488
- Modify Template page, 481
- Modify User page, 474
- modifying. *See* editing and modifying
- modules, VBA, 658–660
- Modules groups, 604
- monitoring progress, 32–34, 33
- Month by Month setting, 217
- Monthly Calendar Report Definition dialog box, 377–378, 378
- months in projects, 97
- More Filters dialog box, 348–349, 348, 552, 552, 568
- More Groups dialog box, 349
- More Tables dialog box, 222, 222, 244–245, 336–339, 336
- More Views dialog box, 77, 78, 234, 335–336, 335, 340, 342
- Move Selection After Enter option, 588
- moving
- objects, 430–431
  - between projects, 270
  - tasks, 116

MPD (Microsoft Project Database) files, 84  
 importing, 399–400  
 saving, **417**, 417  
 support for, 380–381

MPP (Microsoft Project Project) files, 84, 380

MPT (Microsoft Project Template) files, 84, 380

MPW (Microsoft Project Workspace) files, 84, 269, 380–381

MPX files, 84, 381

MSDE (Microsoft Data Engine), 462

MSF Application Development template, 601

MsgBox statement, **680–684**, 682

MultiPage controls, 700

multiple projects, **267**  
 arranging, **269–270**, 269  
 master projects in. *See* master projects  
 opening and viewing, **267–268**, 268  
 workspaces for, **268–269**

Multiple Task Information dialog box, 148

Must Finish On constraint, 146

Must Start On constraint, 146

My Organization category, 477

My Projects category, 477

My Resources category, 477

My Tasks category, 477

## N

names  
 consolidated resource, 154–155  
 fields, 632, 716  
 Organizer items, 606  
 outline codes, 641  
 in Outlook, **296–297**, 297  
 variables, **670**

navigation in Web Access, **537–539**

needs stage  
 characteristics of, **5**  
 defined, 736

negative float time, 736

.NET, defined, 731

network analysis, 736

network diagrams, 76, 77  
 defined, 736  
 inserting objects in, 371  
 nodes in, 340  
 in project management, 28, 28  
 working in, **326–329**, 327–329

network paths, 737

networks in schedule development, 27

New Business template, 601

New button for file data sources, 403

New Entry dialog box, 296

New Product template, 601

New Project operations, 39, 40

New Tasks Are Effort Driven option, 591

New Tasks Have Estimated Durations option, 592

New TeamStatus Report dialog box, 306–307, 307

New Toolbars dialog box, 598

New Window dialog box, 271–272, 272

Night Shift base calendar, 166

non-project data, importing, **385–391**, 386–388, 390

Non-working Time tab, 325

nonproject time categories, **493–494**, 494

nonrecurring costs, 737

nonworking time  
 defined, 737  
 defining, 41  
 transferring, **551**

Nonworking Time tab, 56, 56

normal.dot template, 603

notes and Notes tab, 113–114, 113  
 for contingencies, 255, 255  
 embedding data in, **428**  
 inserting data in, 369–370, 369  
 for links, 377  
 for resources, **171–173**, 171–172  
 for schedules, **310–311**, 310–311  
 in Task Information, 45, 428

Notes Tab graphics area, 432

Notes toolbar, 172

Notification and Reminders page, 496, 496

notifications in Web Access, **496–497**, 496, **541–542**, 541–542

## O

Object Browser, 665–667, 665–666, 705, 705

Object data type, 671

Object Linking and Embedding (OLE)  
 defined, 737  
 working with, 423–424

object models, 665, 688

object-oriented programming languages, 656

objectives, 737

objects  
 binding, **711–712**, 712  
 converting, **423–424**  
 copying, **430–431**, **442–444**, 443–444  
 entering, **703–704**  
 inserting, **432**  
 linking and embedding. *See* embedding; links and linking  
 moving, **430–431**  
 in VBA, **660–661**, 660–661

Objects box graphics area, 432

ODBC (Open Database Connectivity) databases  
 exporting to, **419–420**  
 importing from, **401–404**, 402–403

Office Assistant, **81–82**

Office Move template, 602

Office on the Web help, **82–83**

- Office Watson tool
  - for crashes, 83
  - defined, 737
- offline operations
  - in Professional, 503
  - in Web Access, 542–544, 542–544
- OK buttons, 704–706, 705
- OLAP cube databases, 564
- OLE (Object Linking and Embedding)
  - defined, 737
  - working with, 423–424
- On Error Resume Next error handler, 706
- online mode, 503
- Open Database Connectivity (ODBC) databases
  - exporting to, 419–420
  - importing from, 401–404, 402–403
- Open dialog box
  - for files, 83
  - for importing, 385–387, 386, 398, 400–401, 404
  - for workspaces, 268–269
- Open Enterprise Resources dialog box, 521–522, 522, 524–526
- Open File dialog box, 85
- Open from Microsoft Project Server dialog box, 515–516, 516, 522
- Open Resource Pool dialog box, 290–291, 290
- Open Resource Pool Information dialog box, 289, 289
- opening
  - custom forms, 647, 647
  - files, 83–86, 83–85
  - projects, 72–73
    - multiple, 267–268, 268
    - with resource pools, 289–290, 289–290
  - resource pools, 290–291, 290
  - templates, 599–600, 600
  - user forms, 708–709
  - VB editor, 657–659, 657–659
- operators in VBA, 675–676
- optimistic task duration, 258
- optimistic view in PERT, 261
- optimizing
  - budgets, 55, 55
  - defined, 737
  - plans, 51
  - resources, 51–53, 52–53
  - schedules, 54–55, 54
- OptionButton controls, 699
- Options dialog box
  - for authentication, 476
  - for calculations, 592, 592
  - for calendar, 96–97, 96, 589–590, 590
  - for collaboration, 60, 60, 593, 594
  - for constraints, 149
  - for e-mail, 60, 60, 299, 299
  - for editing, 588–589, 589
  - general settings in, 587–588, 588
  - for interface, 595, 595
  - for links, 284, 286
  - for pay rates, 160
  - for projects, 585
  - for resources, 174
  - for saving, 86–87, 87, 594–595, 594
  - for schedules, 590–592, 591
  - for spelling, 593, 593
  - for summaries, 51, 450
  - for task types, 191, 191
  - for taskbar, 268
  - for tracking tasks, 307
  - for variable declarations, 674, 674
  - for views, 586
  - for work hours, 41–42, 42
  - for workgroups, 163, 163
- options for message boxes, 682
- Options tab for menus and toolbars, 74, 74, 596, 596
- Or operator, 346
- Organizer
  - for copying, 605–606, 605–606
  - for deleting, 606–607, 607
  - for global templates, 507–508, 508
  - for renaming, 606
  - for reports, 365, 365
  - for views, 341–342, 342
  - working with, 603–605, 604
- Other Address Book Types screen, 296
- Outline Code Definition dialog box, 511, 512, 641–643, 641
- outline codes
  - custom, 639–640
    - creating, 640–642, 640–641
    - for grouping tasks and resources, 643–644, 644
    - lookup tables with, 642–643, 642
    - sorting by, 645, 645
  - in enterprise-wide projects, 501
    - applying, 518–519, 519, 525–526, 526
    - creating, 510–512, 511–512
- outlines
  - links in, 140–141, 140–141
  - for tasks, 44–45, 44, 117–120, 118–119
- Outlook
  - defined, 736
  - for e-mail addresses, 295
  - importing task lists for, 405, 405
  - names in, 296–297, 297
  - tracking tasks in, 307–308, 308
  - transferring nonworking time from, 551
  - updating tasks in, 308–310, 309
- Outlook Address Book tab, 296
- Outlook Contacts folder, 296
- overallocated resources, 51, 53
  - identifying, 209–213, 210–213
  - resolving, 218–219, 218
  - Resource Sheet for, 66, 66

- solutions for, 213–214, 213–214
  - by time periods, 214–215
  - viewing, 215–216, 215
  - Overallocated Resources report, 210–211, 211, 363
  - Overbudget Resources reports, 362, 453, 453
  - Overbudget Tasks reports, 362, 453, 453
  - Overflow Indicator, 319
  - overhead costs, 737
  - overlap for tasks, 141–144, 142–143
  - overload, 737
  - overrun costs, 737
  - overtime, 52
  - Overview reports, 359–360
  - Ovt. Rate field, 159
- P**
- page breaks, 358
  - page header and footer graphics area, 432
  - page setup and Page Setup dialog box, 353–354, 354
    - for graphics, 440–441, 440
    - for headers, footers, and legends, 355–356, 355–356
    - Margins tab, 354, 354
    - Page tab, 354, 354
    - for printing, 89–90, 89
    - View tab, 358, 358
  - Page tab, 354, 354
  - parallel activities
    - defined, 737
    - in schedule development, 27
  - parent elements, 737
  - parent objects, 688
  - Password Length setting, 483
  - password-protected files, opening, 86
  - passwords in Web Access, 540–541, 540
  - pasting and Paste Special dialog box, 442–444, 443–444
    - for embedding, 426–427, 427
    - for Excel objects, 434–436, 442
    - for graphics, 437, 441
    - for linking, 429
    - for PowerPoint objects, 436
  - paths, 737
  - payloads, virus, 623
  - per-use costs, 737
  - percent complete information, 232, 237–238, 238
  - percentages for resources, 154
  - performance
    - defined, 737
    - earned value analysis for, 241–245, 243–245
    - in project management, 29
    - as project parameter, 4
  - Period setting, 366
  - permissions
    - for public folders, 313
    - for users, 470–473, 473
  - Permissions tab, 313
  - Personal Address Book dialog box, 296
  - personalized menus and toolbars, 597–598, 597
  - PERT (Program Evaluation and Review Technique), 257–258
    - calculations in, 261–262, 262
    - defined, 738
    - developing estimates in, 258–260, 259–260
    - duration estimates in, 260–261, 260–261
    - in schedule development, 27–28
    - views in, 261–262, 262
    - weights in, 262, 263
  - PERT Analysis toolbar, 259–260
  - PERT Entry form, 260, 646
  - PERT Entry Sheet, 259, 259
  - pessimistic task duration, 258
  - pessimistic view in PERT, 261
  - phases, 737
  - pictures of projects, copying, 374–375, 375
  - pivot tables, 411–413, 413
  - Places bar, 84, 84
  - planned activities, 737
  - planned costs, 737
  - Planning Wizard
    - for constraints, 147, 147
    - for subprojects, 281, 281
  - plans
    - for activities, 43–47, 43–47
    - communicating, 55–58, 56–58
    - contingency
      - creating, 253–254
      - defined, 732
      - storing, 255, 255
    - for enterprise-wide projects, 499–503
    - interim, 229–230, 229, 735
    - optimizing, 51–55, 52–55
    - for tasks, 108
      - bottom-up, 109
      - top-down, 108–109
  - PMI (Project Management Institute), 4, 738
  - pools, resource. *See* resource pools
  - Portfolio Analyzer
    - configuring, 563–564, 565
    - defined, 737
    - for resource analysis, 570, 571
    - viewing projects with, 565–567, 566–567
  - Portfolio Managers, 474, 503
  - Portfolio Model Property Toolbox, 562, 562
  - Portfolio Modeler, 738
  - portfolios and portfolio models, 558–559
    - analyzing, 560–567, 561, 565–567
    - comparing, 562–563, 563
    - creating, 559–560, 559–560
    - defined, 737
    - modifying, 562, 562
    - viewing, 560

- positive float time, 738
- post-implementation reviews, 67, 738
- posting files to public folders, 313, 313
- postmortems, 67
- pound signs (#) in columns, 116, 116
- PowerPoint objects, inserting, 435–436, 436
- precedence diagrams, 28
- predecessor tasks, 128–129, 128–129
  - creating, 135–136, 136
  - defined, 738
  - entering, 133, 134
  - in schedule development, 27
- Predecessors tab, 133, 134, 138, 282, 283
- predesigned contours, 199–204, 200–204
- Preferences tab, 307
- preparing for projects, 456
- presentations, inserting, 435–436, 436
- previous versions, importing from, 391–392
- Print Blank Pages feature, 358
- Print dialog box, 56, 356–358, 357
- Print Preview, 58, 58, 87–89, 88, 356, 357
- printing
  - calendars, 100–101, 101
  - graphic objects, 370
  - in macros, 618–619
  - page setup for, 89–90, 89, 353–356, 354–357
  - previewing, 87–89, 88
  - reports, 57–58, 57–58
  - resources and costs, 176
  - summary reports, 240–241, 240–241
  - views, 56–57, 56–57, 356–358, 357–358
- priorities
  - of projects, 43, 94
  - in resource leveling, 52, 219
- probabilistic estimated duration, 257
- problem definition, 448
- problem identification stage in project cycle
  - characteristics of, 5
  - defined, 738
  - reviewing, 447
- procedures in VBA, 656, 660, 663–664
  - creating, 664–665, 664
  - for Gantt bar color, 666–667, 666
  - help for, 665–666, 665
- processes planning, 500
- Professional version
  - features in, 9–11
  - resource assignments in, 194
- Program Evaluation and Review Technique (PERT), 257–258
  - calculations in, 261–262, 262
  - defined, 738
  - developing estimates in, 258–260, 259–260
  - duration estimates in, 260–261, 260–261
  - in schedule development, 27–28
  - views in, 261–262, 262
  - weights in, 262, 263
- programmability features, 14
- Progress Lines dialog box, 241, 241
- progress tracking, 231
  - adjustments from, 246
  - baseline data for, 226–228, 227–228
  - data collection for, 32–34, 33
  - performance analysis in, 241–245, 243–245
  - reviewing variances from baseline, 239, 239
  - summary reports for, 240–241, 240–241
  - updating tasks with actual data, 231–238, 234–238
- Project 2002
  - application window in, 71–72, 72
  - collaboration and enterprise functionality in, 15–17, 16
  - communication from, 294
  - ease of use, 13–15, 14
  - editions and architecture, 9–12
  - help in, 79–83, 80
  - new features in, 12–14
- Project 98, exporting to, 409–410, 410
- Project Central, 460, 463
- project cycle
  - defined, 738
  - development stage, 7–8
  - evaluation stage, 8
  - implementation stage, 8
  - problem definition stage, 5–6
  - problem identification stage, 5
  - project design stage, 6–7
- Project Definition screen
  - for exporting data, 417, 417, 420
  - for importing data, 400, 400, 404
- project design stage
  - characteristics of, 6–7
  - defined, 738
- Project Explorer, 658–659, 658
- Project Guide, 39, 40, 71, 72
  - defined, 738
  - working with, 75, 75
- Project Information dialog box
  - for budgets, 55
  - for calendars, 94
  - for general information, 276, 276
  - for new projects, 92, 92
  - for outline codes, 518–520, 519
  - for properties, 42–43, 42
  - for start date, 54
- project management, 3–4, 19–20
  - activity analysis in, 20–25, 21, 24–25
  - cost estimates in, 27
  - defined, 738
  - information communication in, 29–30
  - performance standards in, 29

- schedule development in, 27–28, 28
  - security management in, 30
  - tasks in. *See* tasks and task lists
  - time identification in, 25–27, 26
  - tools in, 8–9
  - Web help for, 728–730
- Project Management Institute (PMI), 4, 738
- Project Managers, 474, 502, 503, 738
- Project Map option, 82
- Project object, 693–694
- Project object model, 688–690, 689
  - Application object, 689–693
  - Assignment object, 695
  - Cell and Selection objects, 695–697
  - Project object, 693–694
  - Resource object, 694–695, 695
  - Task object, 694, 694
- Project Office template, 602
- project proposals, 738
- project reviews
  - in closing projects, 447–449
  - defined, 738
- Project Server. *See* Server version
- project-specific settings, 586
- Project Statistics dialog box, 94–95, 95, 236, 236
  - for budgets, 55, 55, 64, 64, 67
  - for schedule, 64, 64, 67
- Project Summary reports, 360, 450, 451
- Project Templates tab, 600, 600
- project triangle, 177–178, 178, 738
- project update fields, 232–234
- projects, 4–5, 91–92
  - building, 39, 40
  - calendar for
    - additional, 100, 100
    - options for, 96–97, 96
    - printing, 100–101, 101
    - selecting, 94
    - standard, 95–96, 96
    - for working times, 97–99, 98–99
  - closing. *See* closing
  - cost estimates in, 50–51, 51
  - defined, 738
  - defining, 40–43, 40–43
  - information setup for, 92–94, 92–94
  - managing. *See* project management
  - opening, 72–73
  - optimizing, 51–55, 52–55
  - options for, 585–586, 585
    - for calculations, 592, 592
    - for calendar, 589–590, 590
    - for collaboration, 593, 594
    - for editing, 588–589, 589
    - general, 587–588, 588
    - for interface, 595, 595
    - for saving, 594–595, 594
    - for schedules, 590–592, 591
    - for spelling, 593, 593
    - types of, 586, 586
    - for views, 586–587, 587
  - plan communication in, 55–58, 56–58
  - planning activities, 43–47, 43–47
  - preparing for, 456
  - project cycle in, 5–8
  - properties for
    - Content tab, 103, 103
    - creating, 104–105
    - customizing, 104, 104
    - deleting, 105
    - General tab, 102, 103
    - modifying, 105
    - Statistics tab, 102
    - Summary tab, 102, 102
  - resources for. *See* resources
  - reviewing, 447–449, 738
  - schedules. *See* schedules
  - statistics display for, 94–95, 95
  - tasks in. *See* tasks and task lists
  - tracking, 58–59
    - closing projects, 67
    - communication in, 59–63, 59–63
    - resources, 66–67, 66
    - schedule and costs, 64–65, 64–65
    - scope in, 63–64
    - in VBA, 656, 660
- Projects tab, 538
- promoting to-do lists, 557–558, 558
- properties
  - for buttons, 700–701, 700
  - for documents, 704–705, 705
  - for projects
    - Content tab, 103, 103
    - creating, 104–105
    - customizing, 104, 104
    - deleting, 105
    - General tab, 102, 103
    - modifying, 105
    - Statistics tab, 102
    - Summary tab, 102, 102
    - setting, 42–43, 42–43
    - in VBA, 661–662, 662
- Properties dialog box, 40, 40, 313, 658, 658
- Prorated cost-accrual methods, 170
- public folders, posting files to, 313, 313
- public subroutines, 710
- publicly creatable objects, 689
- Publish New and Changed Assignments dialog box, 60–61, 61–62, 64, 300–302, 300–302
- Published versions, 520

**Q**

quality assurance (QA), 7, 738  
 quality in performance standards, 29

**R**

ranges in resource leveling, 217–218, 218  
 Rapid Application Development (RAD) tools, 656  
 rate tables, 197–198, 197–198  
 RBS (Resource Breakdown Structure) outline code, 510  
 read-only, opening files as, 85–86  
 Record Macro dialog box, 610–613, 611  
 recording macros, 613–615, 614–615  
 recurring costs, 739  
 Recurring Task Information dialog box, 121–122, 121  
 recurring tasks, 107, 120–122, 121–122  
 redoing actions, 115  
 Reference help, 82  
 References dialog box, 712, 712  
 references in macros, 612–613  
 rejecting tasks
 

- assignments of, 549
- changes to, 577–578, 577

 relationships between tasks, 46–47, 46–47
 

- modifying, 137–141, 137, 139–141
- types of, 129–130, 129–130

 relative macro references, 612–613  
 remaining costs, 739  
 remaining duration, 233, 739  
 remaining work, 739  
 reminders in Web Access, 496–497, 496, 541–542, 541–542  
 Rename dialog box
 

- for fields, 632, 716
- for Organizer, 606

 Rename Field dialog box
 

- for enterprise fields, 514
- for outline codes, 510, 641

 renaming
 

- fields, 514, 632, 716
- Organizer items, 606
- outline codes, 510, 641
- to-do lists, 557–558, 558

 repairing broken links, 139, 139  
 report footer and header graphics area, 432  
 reporting, 36–37  
 reports, 353
 

- appearance of, 366, 366
- Assignment, 362–363, 363
- content of, 366–367, 367–368
- Costs, 361–362, 362
- creating, 63, 377–378, 378
- Current Activities, 240, 240, 360–361, 361
- drawing tools for, 371–374, 371–373
- end-of-project, 449–453, 450–453
- graphic objects in, 368–371, 369–370, 441
- hyperlinks in, 375–377, 376
- managing, 359, 359
- miscellaneous, 364–365, 365
- Overview, 359–360
- page setup for, 353–356, 354–357
- pictures of projects in, 374–375, 375
- printing, 57–58, 57–58, 240–241, 240–241
- printing views for, 356–358, 357–358
- Workload, 363–364, 364

 Reports dialog box, 57–58, 57
 

- for calendars, 101, 101
- for categories, 359, 359
- for final reports, 450, 450
- for graphics, 441
- for overallocated resources, 210
- for printing, 370

 Reports groups, 604  
 Reports tab, 365, 365  
 Republish Assignments dialog box, 303, 303  
 Request Progress Information dialog box, 33, 33, 304–306, 305–306  
 Request Project Information dialog box, 62–63, 62–63  
 requesting status reports
 

- steps in, 304–305, 305
- in Web Access, 572–573, 572–573

 Reschedule Work button, 236  
 resending task assignments, 303–304, 303  
 Reset My Usage Data option, 596  
 Reset Password dialog box, 475  
 Residential Construction template, 602  
 resizing columns, 116  
 resolving constraint conflicts, 148–149  
 resource allocation, 739  
 Resource Allocation Form, 221, 223  
 Resource Availability graph, 569, 569  
 Resource Breakdown Structure (RBS) outline code, 510  
 Resource Center page, 567–569, 568  
 Resource Center table, 568  
 Resource Details page, 570  
 Resource Details setting, 367  
 Resource Export Table map, 384  
 Resource forms, 196, 196, 212, 212  
 Resource Graph, 77
 

- for overallocated resources, 66, 66, 211–213, 211, 213
- working with, 332–333, 333

 Resource Group dialog box, 56  
 Resource Information dialog box, 47–48, 48, 161–162, 161
 

- closing, 173–174, 174
- for collaboration, 60
- for cost information, 169–171, 169–170
- for e-mail addresses, 295–296, 295
- for general information, 162–164, 163
- for generic resources, 529–530, 530
- for links, 377
- for notes, 171–173, 171–172, 369–370, 369
- for resource availability, 164–165, 164–165

- for resource pools, 524–526, 525–526
- for resource working times, 165–169, 166–168
- resource leveling, 51–52
  - defined, 739
  - with Project, 216, 216
    - automatic and manual, 217, 217
    - conflicts in, 220, 221
    - delays in, 221
    - launching, 220
    - overallocations in, 218–219
    - ranges in, 217–218, 218
  - without Project, 221–223, 222
  - settings for, 52–53, 53
- Resource Leveling dialog box, 52–53, 53, 216–219, 216, 221, 223
- Resource Managers, 474, 503
- Resource Mapping screen
  - for exporting data, 408, 408, 412, 416, 419, 421
  - for importing data, 388, 395, 396, 398
- Resource Name field, 159
- Resource Name forms, 196, 196, 212
- Resource object, 694–695, 695
- resource pools, 27, 156, 174
  - defined, 739
  - in enterprise-wide projects, 501, 520–521
    - adding resources to, 521–522, 522
    - deleting resources in, 525
    - importing resources for, 522–524, 523–524
    - modifying resources in, 524–525, 525
  - in master projects, 287
    - accessing, 288, 288
    - closing projects with, 289, 289
    - creating projects from, 291, 291
    - deleting, 291
    - opening and editing, 290–291, 290
    - opening projects with, 289–290, 289–290
    - working with, 288
- Resource Range filter, 345
- Resource Report dialog box, 366
- Resource Sheet, 77, 174, 174
  - for adding resources, 158–161, 158, 160
  - for modifying resources, 525
  - for overallocated resources, 66, 66
  - for resource pools, 288
  - working with, 333–334, 334
- Resource Substitution Wizard, 530–532, 530–532
- Resource tables, 337, 382
- Resource Tables dialog box, 245
- Resource Usage Form, 221, 222
- Resource Usage report, 58, 58, 364
- Resource Usage sheet, 245, 245
- Resource Usage table, 35, 36
- Resource Usage view, 77, 78, 196, 197
  - for contours, 207
  - for overallocated resources, 214, 215
  - working with, 334–335, 335
- resources, 151
  - adding automatically, 174–175
  - assigning. *See* assignments
  - availability of
    - entering, 164–165, 164–165
    - in Web Access, 569–570, 569
  - consolidated names for, 154–155
  - custom fields for, 629–630
  - defined, 739
  - embedding data in, 428
  - in enterprise-wide projects, 501
    - actual, 530–532, 530–532
    - adding, 526–528, 527–528
    - filtering, 528, 528
    - generic, 528–530, 529–530
  - grouping, 643–644, 644
  - information for, 156–157
    - address book, 157–158, 157–158
    - entering, 47–50, 48–50
    - Resource Information for. *See* Resource Information dialog box
    - Resource Sheet for, 158–161, 158, 160
  - leveling. *See* resource leveling
  - limits on, 287
  - managing, 35–36, 36, 66–67, 66
    - features for, 13
    - tools for, 10
  - notes for, 171–173, 171–172
  - obtaining, 155–156
  - optimizing, 51–53, 52–53
  - pooling. *See* resource pools
  - quantities needed, 153–155
  - replacing, 739
  - requirements for
    - calculating, 183–185, 183–184
    - estimating, 152–156
  - sharing, 292
  - sources of, 276–277, 276–277
  - tracking, 152
  - types of, 152–153
  - viewing and printing, 176
  - views for, 77, 78, 332–335, 333–335
  - in Web Access, 567–568, 568
    - analyzing, 570, 571
    - assignments of, 570, 570
    - availability of, 569–570, 569
    - editing fields, 570
    - viewing, 568–569, 569
  - working times for, 165–169, 166–168
- Resources tab, 47, 49, 49, 538
- responding
  - to status report requests, 305–306, 305–306, 573–574, 573–574
  - to task assignments, 301–302, 301–302
- response values for message boxes, 683

- responsibilities planning, 502–503, 503
- Restore Enterprise Global dialog box, 509–510, 509
- results, communicating, 455–456
- Review Results screen, 531, 532
- reviewing
  - assignments, 195–196, 196–197
  - constraints, 147–148
  - links, 284, 286
  - projects, 447–449
- risks
  - assessing, 249–250
    - CPM for, 263–264, 263–265
    - environmental, 255–257
    - PERT for, 257–262, 259–263
    - tasks with external dependencies, 250–251, 251
    - tasks with long durations, 251–253, 252–253
    - tasks with uncertain duration, 250
  - contingency plans for, 253–255, 255
  - defined, 739
  - viruses, 625–626
- Roll up option, 339
- Rollup option, 636
- Round Bars option, 339
- routing files, 311–312, 311–312
- Routing Slip dialog box, 311–312, 311
- rows for tasks, 116, 116
- rules for changes, 578–579, 579
- running macros, 615–616, 616
- runtime errors, 706–708, 708

## S

- sample templates, 600–602
- Save As dialog box, 406
  - for exporting data, 410, 416, 418, 420
  - for global templates, 509
  - for projects, 86
- Save As Template dialog box, 602–603, 603
- Save Baseline dialog box, 59, 59, 227–228, 227
- Save Group dialog box, 644
- Save tab, 86–87, 87, 594–595, 594
- Save to Microsoft Server dialog box, 520
- Save to the Microsoft Project Server dialog box, 514–515, 515
- Save Workspace As dialog box, 268
- saving
  - AutoFilters, 346
  - baselines, 58–59, 227, 227
  - files, 86–87, 87
  - interim plans, 229–230, 229
  - projects
    - enterprise-wide, 514–515, 515
    - options for, 594–595, 594
  - views, 340–341, 341
  - workspaces, 268–269
- Saving to Microsoft Project 98 format dialog box, 410, 410
- Schedule E-mail Reminder Service setting, 497
- Schedule Performance Index (SPI) ratio
  - defined, 739
  - in earned value analysis, 243
- Schedule tab, 139
  - for constraints, 149
  - project options in, 590–592, 591
  - for summary reports, 450
  - for task types, 191, 191
- Schedule table, 336
- Schedule Tracking form, 646
- schedule variance (SV)
  - defined, 739
  - in earned value analysis, 243
  - in variance analysis, 34
- schedules, 93, 93
  - creating, 127–128
  - defined, 739
  - managing, 34–35, 34, 64–65, 64–65
  - optimizing, 54–55, 54
  - options for, 590–592, 591
  - predecessor and successor tasks in, 135–136, 136
  - in project management, 27–28, 28
  - relationships in, 129–130, 129–130
  - sending notes for, 310–311, 310–311
  - task links in. *See* links and linking
- scope
  - defined, 739
  - managing, 36, 63–64
  - as project parameter, 4
  - for variables, 673–674
- scope creep, 5
  - avoiding, 224–226
  - defined, 739
- scroll bars, 72, 109–111, 110
- ScrollBar controls, 700
- SDI (Single Document Interface), 72–73, 267
- searching for projects, 553
- security
  - categories for, 476, 477
    - adding, 480–481, 481
    - deleting, 481
    - managing, 477, 478
    - modifying, 478–480, 478–480
  - in project management, 30
  - settings for, 624–625, 624
  - templates for, 481–484, 482–484
- Security dialog box, 624–625, 624
- Security Level tab, 624, 624
- Security Templates page, 481–483, 482
- Select Case statements, 678
- Select Data Source dialog box, 402–403, 402–403
- Select Date(s) dialog box, 99, 99
- Select Resources dialog box, 192

- selecting
  - calendars, 94
  - controls, 698–700, 698
  - dates, 98–99, 99, 167–168
- Selection object, 695–697
- Selection tools, 698
- Send Schedule Note dialog box, 310, 310
- Send to Exchange Folder dialog box, 313, 313
- sending
  - files to printers, 90
  - schedule notes, 310–311, 310–311
  - status reports, 306–307, 306–307, 574–575, 575
  - updates, 303–304, 303, 550, 550
- sensitivity setting for resource leveling, 217
- sequential structures, 676
- series activities, 27
- Server version, 11, 459–460
  - for communication, 29
  - configuring and administering, 469, 469
    - databases, 498, 498
    - enterprise features, 488–490, 489–490
    - licenses, 497, 497
    - organization, 486–488, 487–488
    - security, 476–484, 477–484
    - SharePoint Team Services, 488
    - users, 469–476, 470–473
    - Web Access, 491–497, 491–496
  - defined, 736
  - for enterprise-wide projects. *See* enterprise-wide projects
  - installing, 460–466, 464–467
  - logging on to, 467–468, 468
  - resource assignments in, 194
- Set E-mail Reminders for my resources page, 542, 542
- Set Hyperlink Screen Tip dialog box, 439
- Set My E-mail Notifications and Reminders page, 541, 541
- Set PERT Weights dialog box, 262, 263
- Set Rules Wizard, 578
- Set statements, 693
- setup program for Server, 464–466, 464–467
- SetXlsBudgetPath function, 721–722
- SF (start-to-finish) task relationships, 130, 130
- shadowing keywords, 668
- Share Lookup table dialog box, 511
- Share Resources dialog box, 288, 288, 291
- SharePoint Team Services, 466
  - managing, 488
  - for Server, 463
- sharer files, 288, 291, 291, 521
- sharing
  - in multiple projects, 267
    - arranging, 269–270, 269
    - master projects in. *See* master projects
    - opening and viewing, 267–268, 268
    - workspaces for, 268–269
  - resource pools, 156
  - resources, 292
    - to-do lists, 555–556, 556
- shortcut data entry, 126
- Should Have Started Tasks report, 360
- Show Drawings option, 340
- Show Full Menus After A Short Delay option, 596
- Show Links Between Projects Dialog On Open option, 284, 286
- Show Screen Tips On Toolbars option, 597
- Show Shortcut Keys in Screen Tips option, 597
- Show Standard and Formatting Toolbars on Two Rows option, 596
- Show That Tasks Have Estimated Durations option, 592
- Show Totals option, 367
- ShowTravelCostSettings procedure, 709, 714
- sign-off, 223–224
  - baseline data for, 226–228, 227–228
  - interim plans in, 229–230, 229
  - scope creep in, 224–226
- Single data type, 670
- Single Document Interface (SDI), 72–73, 267
- size
  - of columns, 116
  - of master projects, 287
- Size & Position tab, 373–374, 373
- skill and attribute definitions, 501
- slides, 435–436, 436
- slippage, 739
- Slipping Tasks report, 360
- Smart Tags
  - defined, 739
  - for options, 184–185, 184
- SMTP Mail Server settings, 496
- snippets, 662
- Software Development template, 602
- software for Server, 461
- Software Localization template, 602
- Sort Order settings, 367
- Sort tab, 367, 368
- sorting and Sort dialog box
  - by outline codes, 645, 645
  - for tasks, 367, 368
    - in master projects, 277–280, 278–279
    - in Web Access, 546–547, 546
  - views, 342–343, 343
- sound files, 438
- space-delimited text (TXT) file format, 415
- Specify Views page
  - for managing views, 484, 485
  - for Portfolio Analyzer, 564
- spell checking
  - project options for, 593, 593
  - tasks, 123–125, 123
- Spelling and Grammar tab, 125
- Spelling dialog box, 123–124, 123

Spelling tab, 593, 593  
 SPI (Schedule Performance Index) ratio  
   defined, 739  
   in earned value analysis, 243  
 SpinButton controls, 700  
 Split In-Progress Tasks option, 592  
 splitting tasks, 144–145, 144, 219–220  
 Spreadsheet Solutions tab, 393, 393  
 SQL Server 2000, 462  
 SS (start-to-start) task relationships, 129, 130  
 stakeholders  
   defined, 739  
   reports for, 37  
 standard calendars, 95–96, 96, 166  
 Standard edition, 9  
 standard rates, 739  
 Standard version, 11  
 Start cost-accrual option, 170  
 Start No Earlier Than constraint, 146  
 Start No Later Than constraint, 146  
 start-to-finish (SF) task relationships, 130, 130  
 start-to-start (SS) task relationships, 129, 130  
 statements, 656, 660, 662, 668  
 statistics  
   for budgets, 64, 64, 67  
   for projects, 94–95, 95, 102  
 Statistics tab, 102  
 status dates  
   defined, 739  
   setting, 93–94, 94  
 status reports, 304  
   requesting, 304–305, 305–306, 573–574, 573–574  
   responding to requests, 305–306, 305–306  
   sending, 306–307, 306–307, 574–575, 575  
   in Web Access, 538–539, 571–576, 571–576  
 Status Reports Overview page, 571–572, 571, 574–575  
 Status Reports tab, 538, 571, 573  
 Std. Rate field, 159  
 storage tools, 11  
 storing macros, 612  
 String data type, 671, 676  
 strong typing, 711  
 structures in VBA, 676–680  
 stubs, 662  
 Submit a Status Report page, 574–575, 574  
 subprojects. *See* master projects  
 subroutines, 663  
 Substitute Resources screen, 531  
 subtasks, 107, 109  
   creating, 117–118, 118  
   linking, 140, 141  
 successful projects, 446  
 successor tasks, 128–129, 128–129  
   creating, 136, 136  
   defined, 740

summarization, calculations for, 636–637, 636  
 Summary form, 646  
 summary reports, 240–241, 240–241  
 Summary tab, 40, 40, 102, 102  
 Summary Task Information dialog box  
   for contingencies, 255, 255  
   editing in, 587  
 summary tasks, 107–109  
   assigning resources to, 194  
   linking, 140–141, 140–141  
 Summary view, 553  
 SV (schedule variance)  
   defined, 739  
   in earned value analysis, 243  
   in variance analysis, 34  
 syntax in VBA, 655

## T

tab-delimited text (TXT) file format, 415  
 Table Definition dialog box, 338, 338, 435  
 tables, 336, 336  
   applying to views, 78–79, 79  
   creating and formatting, 337–338, 338  
   deleting, 339  
   for links, 132–133, 132–133, 138, 143  
   lookup, 642–643, 642  
   resource, 337, 382  
   task, 109, 336, 382  
 Tables groups, 604  
 TabStrip controls, 699  
 target dates, 740  
 Task and Resource PivotTable map, 384  
 Task Dependency dialog box, 47, 47, 137, 137, 142–144  
 Task Details setting, 367  
 Task Entry form, 646  
 Task Entry table, 138, 143  
 Task Export Table map, 384  
 Task Form, 180, 180  
   for links, 134–136, 135–136, 138, 143  
   for resource assignments, 193–194, 193  
 Task Information dialog box  
   for constraints, 52, 52, 146, 146, 149  
   for details, 112–114, 113, 327  
   for effort-driven tasks, 186–187, 187  
   for entering tasks, 26, 26, 43–44, 43  
   for imported data, 518  
   for links, 133–134, 133–134, 138, 282–283, 283, 377  
   for milestones, 46  
   for notes, 45, 428  
   for PowerPoint objects, 436, 436  
 Resources tab in, 47, 49, 49  
 for value lists, 633

- Task Information form
  - for assignments, 196
  - for links, 143
- Task List with Embedded Assignment Rows map, 385
- Task Mapping screen, 388, 388
- Task object, 688–690, 694, 694
- Task Range filter, 344
- Task Relationships form, 646
- Task report, 364, 366–368, 366–368
- task sheets, 122, 123, 740
- Task tab, 538
- Task tables, 109, 336, 382
- Task Usage report, 364, 364
- Task Usage Tracking table, 238
- Task Usage views, 77, 207, 329–331, 330–331
- taskbars on Gantt charts, 137
- tasks and task lists, 31–32, 32
  - assigning, 60–62, 61–62
    - resources to, 48–50, 181–185, 182–185
    - to workgroup members, 299–304, 299–303
  - attaching documents to, 114–115
  - automatic error correction for, 125–126, 126
  - constraining, 145–149, 146–147
  - contour interaction with, 206–207, 206
  - copying and moving, 116
  - custom fields for, 628–629
  - delays for, 141–144, 142–143, 223
  - deleting, 117
  - details about, 112–114, 113
  - duration of, 45–46, 45, 111–112, 112
  - embedding data in, 428
  - filtering
    - in master projects, 280–281, 280–281
    - in Web Access, 546–547, 546
  - formatting, 545, 545
  - in Gantt charts, 109–111, 110
    - assignments, 302
    - editing, 115–117, 116–117
    - entering, 43–44, 43–44, 111–114, 112–113
    - with external dependencies, 250, 251
    - outlining, 44–45, 44, 117–120, 118–119
    - recurring, 120–122, 121–122
    - with uncertain duration, 250
  - grouping, 643–644, 644
    - in master projects, 280–281, 280–281
    - in Web Access, 546–547, 546
  - identifying, 25–27, 26
  - importing, 405, 405
  - information on. *See* Task Information dialog box
  - inserting, 116
  - limits on, 287
  - links and linking in. *See* links and linking
  - milestones for, 120, 120
  - monitoring progress, 32–34, 33
  - with overallocations, 215–216, 215
    - overlap for, 141–144, 142–143
  - planning, 108
    - bottom-up, 109
    - top-down, 108–109
  - predecessor and successor, 128–129, 128–129, 135–136, 136
  - refining, 155
  - relationships between, 46–47, 46–47
    - modifying, 137–141, 137, 139–141
    - types of, 129–130, 129–130
  - reporting, 36–37
  - resources for. *See* resources
  - scheduling. *See* schedules
  - sorting, 367, 368
    - in master projects, 277–280, 278–279
    - in Web Access, 546–547, 546
  - sources for, 276–277, 276–277
  - spell checking of, 123–125, 123
  - splitting, 144–145, 144, 219–220
  - text in, 115, 326, 326
  - tracking, 307–308, 308
  - types of, 107
  - updating
    - with actual data, 231–238, 234–238
    - in Outlook, 308–310, 309
    - status of, 62–63, 62–63
  - variances in, 34–36, 34, 36
  - views for, 76–77, 77, 122, 123
  - WBS numbering for, 119–120, 119
  - in Web Access, 539
    - accepting, 577–578, 577, 579
    - creating, 547–548, 547
    - delegating, 548–549, 548–549
    - filtering, 546–547, 546
    - rejecting, 549, 577–578, 577, 579
    - viewing, 544–547, 544–546
- Tasks Area, 537
- Tasks In Progress reports, 360
- Tasks Starting Soon reports, 360–361, 361
- Tasks tab, 544
- Tasks Will Always Honor Their Constraint Dates option, 592
- Tasks With Attachments filter, 344
- Tasks With Fixed Dates filter, 344
- TCPI (to complete performance index), 740
- Team Leaders, 474, 502, 503
- Team Members, 474, 502, 503
- teams, 37, 502, 503
- template-based applications, 709
- templates
  - creating, 602–603, 603
  - defined, 740
  - modifying, 603
  - opening, 599–600, 600
  - sample, 600–602
  - for security, 481–484, 482–484

- Templates dialog box, 393, 393, 599–600, 600
  - terminating macros, 616–617
  - text
    - for custom forms, 650–651, 651
    - for tasks
      - editing, 115
      - formatting, 326, 326
  - Text Delimiter setting, 408
  - text files
    - exporting to, 415–416, 416
    - importing from, 396–398, 397, 399
  - Text Styles dialog box, 326, 326
  - Text tab, 323
  - TextBox controls, 699
  - tiers in Gantt timescales, 324, 324
  - time periods
    - overallocations by, 214–215
    - settings for, 492
  - timephased information
    - defined, 740
    - in Resource Usage view, 196
    - tracking, 238, 238
  - times
    - formats for, 99
    - in project management, 25–27, 26
    - as project parameter, 4
    - working, 97–99, 98–99
      - defined, 741
      - establishing, 41–42, 41–42
      - for resources, 165–169, 166–168
  - TimeScaledValues collection, 725–726
  - timescales and Timescale dialog box
    - in Calendar view, 319–320, 319–320
    - defined, 740
    - in Gantt Chart views, 324–325, 324
    - in printing, 56, 56
    - in Resource Usage view, 196
  - timesheets, 740
  - to complete performance index (TCPI), 740
  - To-Do List report, 363
  - to-do lists, 555–558, 556–558
  - ToggleButton controls, 699
  - toolbars and toolbar commands, 73–74, 73–74, 595–596
    - changing options on, 596–597, 596
    - creating, 598–599, 598
    - for links, 131, 131
    - macros on, 618–622, 620–622
    - for opening files, 85, 85
    - personalized, 597–598, 597
  - Toolbars groups, 605
  - Toolbars tab, 598–599, 598
  - Toolbox, 660, 660
  - top-down task planning, 108–109
  - Top Level Tasks List map, 385
  - Top Level Tasks reports, 360, 451, 452
  - total costs, 176
  - tracking
    - interim plans, 229–230, 229
    - progress, 231
      - adjustments from, 246
      - baseline data for, 226–228, 227–228
      - data collection for, 32–34, 33
      - performance analysis in, 241–245, 243–245
      - reviewing variances from baseline, 239, 239
      - summary reports for, 240–241, 240–241
      - updating tasks with actual data, 231–238, 234–238
    - projects, 58–59
      - closing projects, 67
      - communication in, 59–63, 59–63
      - resources, 66–67, 66, 152
      - schedule and costs, 64–65, 64–65
      - scope in, 63–64
    - tasks, 307–308, 308
      - in Web Access, 491–493, 491, 579–580, 580
  - Tracking form, 646
  - Tracking Gantt view, 77, 331–332, 331
    - for baselines, 227–228, 227, 239, 239
    - for interim plans, 230
    - for schedules, 65, 65
  - Tracking Settings page, 491–493, 491, 496
  - Tracking toolbar, 235–236, 235–236
  - Tracking view, 553, 553
  - Transfer Nonworking Time From Your Outlook Calendar Wizard, 551
  - transferring
    - nonworking time, 551
    - to-do lists, 557–558, 558
  - Travel Information form, 651–652, 651–652
  - Trusted Sources tab, 625
  - Turtle contours, 204, 205
  - Tutorial, 82
  - 12-hour time format, 99
  - 24-hour time format, 99
  - 24 Hours base calendar, 166
  - TXT files, 381, 415
  - Type column, 403
  - Type field, 159
  - Type tab, 566, 567
- ## U
- Unconfirmed filter, 344
  - underallocation, 740
  - underscores ( \_ )
    - with dates, 98, 98
    - in VBA, 662
  - undoing actions, 115
  - unexamined events, 250
  - unforeseeable events, 250

- unhiding open projects, 270
  - unit availability, 740
  - units
    - in assignments, 178–181, 178–181
    - defined, 740
    - for tasks, 112
  - unlinking tasks, 137
  - Unstarted Tasks report, 360
  - Update as Scheduled button, 236
  - Update macro, 723
  - Update Project dialog box, 237, 237
  - Update Resource Tables and OLAP Cube option, 489
  - Update Tasks button, 236
  - Update Tasks dialog box, 236, 237
  - updates
    - for linked objects, 429–430, 430
    - for links in master projects, 284
    - for responses to task assignments, 302–303, 302
    - sending, 303–304, 303, 550, 550
    - for tasks
      - with actual data, 231–238, 234–238
      - in Outlook, 308–310, 309
      - status of, 62–63, 62–63
    - in Web Access, 539
    - sending, 550, 550
    - status, 571–576, 571–576
    - viewing, 577–579, 577–579
  - Updates Area, 537
  - Updates tab, 538
  - upgrading to Server, 463
  - URLs for Server accounts, 504
  - usability features, 12
  - Usage table, 337
  - Use Formula option, 637
  - Use\_Rate\_Table\_A procedure, 715
  - Use\_Rate\_Table\_B procedure, 715
  - User Authentication page, 483–484, 484
  - User-defined data type, 671
  - user dictionaries, 125
  - user forms, 656, 660, 697–698
    - controls for
      - code for, 702–709, 703–705, 708
      - placing, 700–702, 700, 702
      - selecting, 698–700, 698
    - creating, 722–724, 722
    - opening, 708–709
  - User Information screen, 464
  - UserForm\_Initialize procedure, 708, 724
  - users and user accounts, 469–471, 470
    - adding, 471–473, 471–473
    - authentication for, 483–484, 484
    - deleting, 475
    - entering, 164
    - groups for, 473–474
    - merging, 475–476
    - modifying, 474–475
    - for Server, 462
  - Users page, 469–471, 470, 474
- ## V
- VAC (Variance at Completion)
    - defined, 740
    - in earned value analysis, 243–244
  - validation errors, 706
  - Value List dialog box, 634–635, 634
  - value lists, 633–635, 634–635
  - variable costs, 50
  - variable material consumption, 194, 195
  - variables, 669–670
    - assigning values to, 674
    - creating, 672–674, 674
    - data types for, 670–672
    - names for, 670
  - Variance at Completion (VAC)
    - defined, 740
    - in earned value analysis, 243–244
  - Variance tables, 228, 239, 239, 336
  - variances
    - analyzing, 34–36, 34, 36
    - from baselines, 239, 239
    - defined, 740
  - Variant data type, 671
  - VB editor, 657–659, 657–659
  - VBA (Visual Basic for Applications), 17
    - applications in. *See* applications
    - code in, 662–663
    - collections in, 668–669
    - constants in, 669
    - controls and properties in, 661–662, 662
    - defined, 740
    - help in, 665–667, 665
    - input boxes in, 684–685, 685
    - keywords in, 668
    - for macros. *See* macros
    - message boxes in, 680–684, 682
    - methods in, 669
    - objects and events in, 660–661, 660–661
    - operators in, 675–676
    - procedures in, 663–668, 664–666
    - structures in, 676–680
    - variables in, 669–674, 674
  - versions
    - of enterprise-wide projects, 520
    - in importing data, 391–392
    - with Server, 466, 467
  - Versions screen, 490, 490
  - Vertical Split bar, 72

video files, 438

View bar, 318, 318

View Definition dialog box, 340–341, 341

View My Tasks page, 544–545, 544, 546, 547–551

View Options tab, 545, 545, 569–570, 578

View Resource Assignments page, 570, 570

View tab

- for columns, 358, 358
- for extensions, 380
- for links, 284, 286
- for project options, 586–587, 586
- settings in, 586–587
- for summaries, 51
- for taskbar, 268

View Task Changes Submitted by Resources page, 577, 577

viewing

- assignments, 290, 290
- baselines, 227–228, 227
- duration, work, and units, 180–181, 180–181
- inserted project information, 275–276, 275–276
- interim plans, 230
- multiple projects, 267–268, 268
- portfolio models, 560
- resources and costs, 176
- summary reports, 240–241, 240–241
- in Web Access
  - projects, 551–555, 551–555
  - resources, 568–569, 569
  - status reports, 575–576, 575–576
  - tasks, 544–547, 544–546
  - updates, 577–579, 577–579

views, 317–318, 318

- applying tables to, 78–79, 79
- Calendar, 318–321, 319–321
- changing, 76, 76
- creating and saving, 340–341, 341
- end-of-project, 454–455, 454–455
- filtering, 344–349, 345–346, 348
- formatting, 339–340, 339–340
- Gantt Chart, 322–326, 323–326
- graphic objects in, 368–371, 369–370
- grouping, 349–350, 349–350
- Network Diagram, 326–329, 327–329
- Organizer for, 341–342, 342
- in PERT, 261–262, 262
- for Portfolio Analyzer, 564–565, 565
- printing, 56–57, 56–57, 356–358, 357–358
- project options for, 586–587, 587
- resource, 332–335, 333–335
- for resource leveling, 221–223, 222
- Resources, 77, 78
- in Server, 484–486, 485
- sorting, 342–343, 343
- Task Usage, 329–331, 330–331

- for tasks, 76–77, 77, 122, 123
- Tracking Gantt, 331–332, 331

Views groups, 604

viruses, 623–626, 624–625

Visio program, 23

Visual Basic. *See* VBA (Visual Basic for Applications)

Visual Basic .NET, 740

## W

WBS Code Definition dialog box, 119–120, 119

WBS (Work Breakdown Structure) method, 21–22, 21, 117, 119–120, 119, 741

weak typing, 711

Web Access, 16, 16, 533–534

- accessing, 534–536, 535–536
- for authentication, 476, 477
- browsers for, 535–536, 535
- document library in, 580–581, 581
- Gantt charts in, 492–493, 493, 546, 546
- grouping formats in, 493, 493
- Home page in, 467, 468, 536–538, 537
  - formatting, 494–496, 495
  - navigation tabs in, 538–539
  - offline, 543–544
  - working with, 539–544, 540–544
- licenses in, 497, 497
- managing, 486–488, 487–488
- nonproject time categories in, 493, 494
- notifications and reminders in, 496–497, 496, 541–542, 541–542
- portfolio models in. *See* portfolios and portfolio models
- projects in, viewing, 551–555, 551–555
- resources in, 567–568, 568
  - analyzing, 570, 571
  - assignments of, 570, 570
  - availability of, 569–570, 569
  - editing fields, 570
  - viewing, 568–569, 569

for Server

- logging on to, 467–469, 468
- security in. *See* security
- for users and groups, 469–476, 470–473
- views in, 484–486, 485

tasks in

- accepting, 577–578, 577, 579
- creating, 547–548, 547
- delegating, 548–549, 548–549
- filtering, 546–547, 546
- rejecting, 549, 577–578, 577, 579
- viewing, 544–547, 544–546

to-do lists in, 555–558, 556–558

tracking in, 491–493, 491, 579–580, 580

transferring nonworking time in, 551

- updates in
  - sending, 550, 550
  - status, 571–576, 571–576
  - viewing, 577–579, 577–579
- for users, 469, 470
- working days in, 550–551, 550
- web-based analysis and reporting tools, 10
- Web pages, hyperlinks to, 376
- Week by Week setting, 217
- Week Headings tab, 319, 320
- weeks in projects, 97
- weights in PERT, 262, 263
- WGsetup.exe program, 298
- what-if analyses
  - defined, 741
  - Portfolio Analyzer for, 563
- What's This? help, 82
- Who Does What report, 363, 383
- Who Does What When report, 363, 363
- Windows Authentication method, 476, 483
- Windows Media Player (WMP), 438
- WithEvents keyword, 693
- work
  - in assignments, 178–181, 178–181
  - defined, 741
- Work Breakdown Structure (WBS) method, 21–22, 21, 117, 119–120, 119, 741
- Work Complete filter, 345
- work contours. *See* contours
- work packages, 21, 741
- work resources, 152–153
- Work table, 337
- Work Tracking form, 646
- Work view, 554, 554
- workflow, 741
- workflow diagrams, 23–25, 24
- Workgroup field, 162
- workgroups
  - features for, 294

- messages for
  - for assigning tasks, 299–304, 299–303
  - customizing, 313–314, 314
  - e-mail for, 298–299, 299
  - for posting files to public folders, 313, 313
  - for routing files, 311–312, 311–312
  - for schedule notes, 310–311, 310–311
  - for status reports, 304–307, 305–307
  - for tracking tasks, 307–308, 308
  - for updating tasks, 308–310, 309
- for Server, 461
- types for, 163–164, 164
- Working Days report, 360
- Working Time tab, 165, 166
- working times, 97–99, 98–99
  - defined, 741
  - establishing, 41–42, 41–42
  - for resources, 165–169, 166–168
  - in Web Access, 550–551, 550
- Workload reports, 363–364, 364
- workspaces, 268–269

## X

- XLS files, 381
- XML (extensible markup language) files, 382
  - defined, 741
  - exporting, 423
  - importing, 404, 404

## Z

- zero float time, 741
- Zoom dialog box
  - for critical paths, 264, 264
  - for Gantt charts, 111
  - for network diagrams, 326–327
  - for Resource Graph, 212, 212