

Microsoft Project

Covering
Project Online
Desktop
Client

Step

by

Step

Cindy M. Lewis



PRACTICE FILES



Microsoft Project

Step by Step

(Covering Project Online Desktop Client)

Cindy M. Lewis

Microsoft Project Step by Step (Covering Project Online Desktop Client)

Table of Contents

Cover

Title Page

Copyright Page

Contents at a glance

Contents

Acknowledgments

About the author

Introduction

- Who this book is for

- The Step by Step approach

- Download the practice files

- E-book edition

- Adapt procedure steps

- How to get support & provide feedback

 - Errata & book support

 - Stay in touch

Part 1: Get started with Microsoft Project

- 1 Project, project management, and you

 - Meet the Project program

 - Meet the Project family

 - Users of Project Standard and Project Professional

Table of Contents

See the new features in Project Online desktop client

Review features in earlier versions

New in Project 2019

New in Project 2016

New in Project 2013

New in Project 2010

Take a project managers perspective

Lets get started!

2 Take a guided tour

Explore the Project user interface

Manage files and set options in the Backstage view

Sidebar: Templates: Avoid reinventing the wheel

Work with schedule details in views

Use reports to check a plans status

Skills review

Practice tasks

Explore the Project user interface

Manage files and set options in the Backstage view

Work with schedule details in views

Use reports to check a plans status

Part 2: Simple scheduling basics

3 Start a new plan

Create a new plan and set its start date

Set nonworking days in the project calendar

Enter the plan title and other properties

Sidebar: Project management focus: Project is part of a larger picture

Skills review

Practice tasks

Create a new plan and set its start date

Set nonworking days in the project calendar

Enter the plan title and other properties

Table of Contents

4 Build a task list

Create tasks

Sidebar: Project management focus: Defining the right tasks for the deliverable

Switch task scheduling from manual to automatic

Enter task durations and estimates

Sidebar: Project management focus: How do you come up with accurate task durations?

Enter milestone tasks

Create summary tasks to outline the plan

Sidebar: Project management focus: Top-down and bottom-up planning

Link tasks to create dependencies

Check a plans duration and finish date

Document task information

Skills review

Practice tasks

Create tasks

Switch task scheduling from manual to automatic

Enter task durations and estimates

Enter milestone tasks

Create summary tasks to outline the plan

Link tasks to create dependencies

Check a plans duration and finish date

Document task information

5 Set up resources

Set up work resources

Sidebar: Equipment resource considerations

Enter the maximum capacity for work resources

Enter work resource pay rates

Sidebar: Project management focus: Getting resource cost information

Adjust working time in a resource calendar

Set up cost resources

Document resources by using notes

Table of Contents

Skills review

Practice tasks

- Set up work resources

- Enter the maximum capacity for work resources

- Enter work resource pay rates

- Adjust working time in a resource calendar

- Set up cost resources

- Document resources by using notes

6 Assign resources to tasks

Assign work resources to tasks

Control work when adding or removing resource assignments

- Sidebar: Project management focus: When should effort-driven scheduling apply?

Assign cost resources to tasks

Check the plan after assigning resources

Skills review

Practice tasks

- Assign work resources to tasks

- Control work when adding or removing resource assignments

- Assign cost resources to tasks

- Check the plan after assigning resources

7 Format and share your plan

Customize a Gantt chart view

- Sidebar: Drawing on a Gantt chart

Add tasks to a Timeline view

- Sidebar: Panning and zooming a Gantt chart view from a Timeline view

Customize reports

Copy views and reports

Print views and reports

Skills review

Practice tasks

- Customize a Gantt chart view

Table of Contents

Add tasks to a Timeline view

Customize reports

Copy views and reports

Print views and reports

8 Track progress: Basic techniques

Understand progress tracking

Save a baseline of your plan

Track a plan as scheduled

Enter a tasks completion percentage

Enter actual values for tasks

Sidebar: Project management focus: Is the project on track?

Skills review

Practice tasks

Save a baseline of your plan

Track a plan as scheduled

Enter a tasks completion percentage

Enter actual values for tasks

Part 3: Advanced scheduling techniques

9 Fine-tune task scheduling

See task relationships by using Task Path

Adjust task link relationships

Control task scheduling by using constraints

Interrupt work on a task

Adjust working time for individual tasks

Control task scheduling by using task types

Sidebar: Assignment units, Peak, and the assignment calculation

Sidebar: Task types and effort-driven scheduling

See task schedule details by using the Task Inspector

Skills review

Practice tasks

Table of Contents

- See task relationships by using Task Path
- Adjust task link relationships
- Control task scheduling by using constraints
- Interrupt work on a task
- Adjust working time for individual tasks
- Control task scheduling by using task types
- See task schedule details by using the Task Inspector

10 Fine-tune task details

- Enter deadline dates
- Enter fixed costs
- Create a recurring task
- View the plans critical path
- Schedule summary tasks manually
- Skills review
- Practice tasks
 - Enter deadline dates
 - Enter fixed costs
 - Create a recurring task
 - View the plans critical path
 - Schedule summary tasks manually

11 Fine-tune resource and assignment details

- Change resource availability over multiple date ranges
- Work with multiple resource pay rates
- Change resource pay rates over different date ranges
- Delay the start of assignments
- Apply contours to assignments
- Create and assign material resources
- View resource capacity
- Adjust assignments in the Team Planner view
- Skills review
- Practice tasks

Table of Contents

Change resource availability over multiple date ranges

Work with multiple resource pay rates

Change resource pay rates over different date ranges

Delay the start of assignments

Apply contours to assignments

Create and assign material resources

View resource capacity

Adjust assignments in the Team Planner view

12 Fine-tune the Project plan

Examine resource allocations over time

 Sidebar: Project management focus: Evaluate resource allocation

Resolve resource overallocations manually

Level overallocated resources

Check the plans cost and finish date

 Sidebar: Project management focus: Finish date and critical tasks

Inactivate tasks

Skills review

Practice tasks

 Examine resource allocations over time

 Resolve resource overallocations manually

 Level overallocated resources

 Check the plans cost and finish date

 Inactivate tasks

13 Organize plan details

Sort plan details

Group plan details

Filter plan details

Create new tables

 Sidebar: Create custom fields quickly

Create new views

Skills review

Table of Contents

Practice tasks

- Sort plan details
- Group plan details
- Filter plan details
- Create new tables
- Create new views

14 Track progress: Detailed techniques

Update a baseline

- Sidebar: Save interim plans

Track actual and remaining work for tasks and assignments

- Sidebar: Enter actual costs manually

Track timephased actual work for tasks and assignments

- Sidebar: Project management focus: Collect actuals from resources

Reschedule incomplete work

Skills review

Practice tasks

- Update a baseline
- Track actual and remaining work for tasks and assignments
- Track timephased actual work for tasks and assignments
- Reschedule incomplete work

15 View and report project status

Examine a plans variance

- Sidebar: Project management focus: Communicating status

Identify tasks that have slipped

- Sidebar: Project management focus: Is variance ever good?

Examine task costs

Examine resource costs

Skills review

Practice tasks

- Examine a plans variance
- Identify tasks that have slipped

Table of Contents

Examine task costs

Examine resource costs

Part 4: In-depth and special subjects Format and print views:

In-depth techniques

16 Format a Gantt chart view

Format a Timeline view

Format a Network Diagram view

Format a Calendar view

Print and export views

Skills review

Practice tasks

Format a Gantt chart view

Format a Timeline view

Format a Network Diagram view

Format a Calendar view

Print and export views

17 Format reports: In-depth techniques

Create a custom report

Sidebar: How reports compare to views

Customize charts in a report

Customize tables in a report

Skills review

Practice tasks

Create a custom report

Customize charts in a report

Customize tables in a report

18 Customize Project

Share custom elements between plans

Record and run macros

Edit macros

Table of Contents

Customize the ribbon and Quick Access Toolbar

Skills review

Practice tasks

Share custom elements between plans

Record and run macros

Edit macros

Customize the ribbon and Quick Access Toolbar

19 Share information with other programs

Copy Project data to and from other programs

Open files in other formats in Project

Save to other file formats from Project

Sidebar: Share files with previous versions of Project

Generate reports with Excel and Visio

Skills review

Practice tasks

Copy Project data to and from other programs

Open files in other formats in Project

Save to other file formats from Project

Generate reports with Excel and Visio

20 Consolidate projects and resources

Share a resource pool across multiple plans

Sidebar: Create a dedicated resource pool

Consolidate plans

Sidebar: Keep consolidated plans simple

Create dependencies between plans

Skills review

Practice tasks

Share a resource pool across multiple plans

Consolidate plans

Create dependencies between plans

21 Use Agile project management with Project

Table of Contents

Get started in Agile with the Sprints Project template

 Sidebar: Project management focus: Consider the behavior of children when thinking about Agile

Create the product backlog

Create the Agile team

Customize task board cards

Plan a sprint

Record progress from daily scrum meetings

Generate reports for sprint reviews

 Sidebar: Project management focus: Choosing Agile project management

Sources for more information

Skills review

Practice tasks

 Get started in Agile with the Sprints Project template

 Create the product backlog

 Create the Agile team

 Customize task board cards

 Plan a sprint

 Record progress from daily scrum meetings

 Generate reports for sprint reviews

Part 5: Appendixes

Appendixes A: A short course in project management

 Understand what defines a project

 The project triangle: View projects in terms of time, cost, and scope

 Time

 Cost

 Scope

 Time, cost, and scope: Manage project constraints

 You have less time

 You have fewer resources

 You have more work

 Manage your projects with Project

Table of Contents

Appendixes B: Develop your project management skills

Join a Project learning community

Join a project-management learning community

Appendixes C: Integration with Microsoft 365 solutions for collaboration

Set the Project Online desktop client or Project Professional to C Computer mode

Sources for more information

Link to a Microsoft Planner plan

Sources for more information

Import into Project for the web

Sources for more information

Synchronize tasks with SharePoint Online

Sources for more information

Collaborate in Project Online/Project Server by using Project Web App

Sources for more information

Project portfolio management

Sources for more information

Appendixes D: Use this book in a classroom

Match content to instructional needs

Teach project management with Project

Glossary

A

B

C

D

E

F

G

H

Table of Contents

I

K

L

M

N

O

P

R

S

T

U

V

W

Index