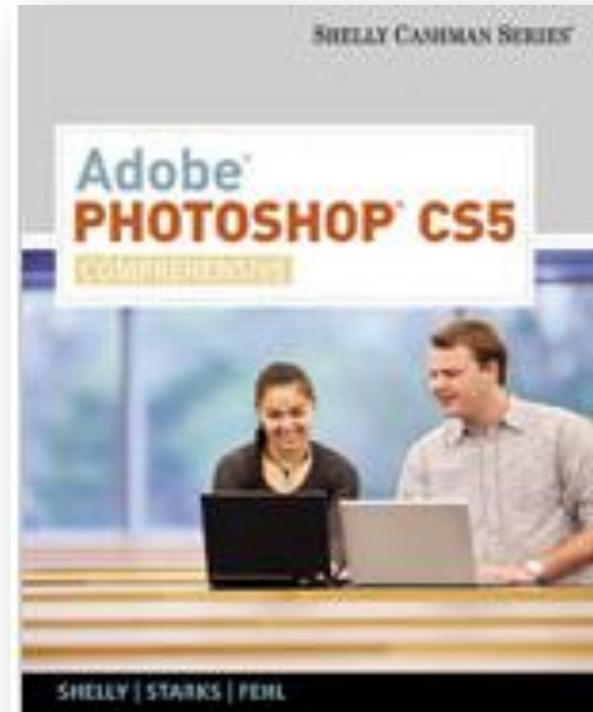


Adobe Photoshop CS5 Comprehensive

Author: Gary Shelly/Joy Starks

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ISBN: 9780538473910



- A step-by-step, screen-by-screen approach allows students to successfully learn and retain information to be used in their personal and professional lives.
- Pedagogical elements enrich material and create an accessible and user-friendly approach allowing easy navigation through the skills in each chapter.
- Learn It Online exercises feature practice tests, crossword puzzle challenges, interactive games, and exercises that enhance student learning beyond the book.



- A new Plan Ahead feature prepares students to create successful projects by encouraging them to think about what they are trying to accomplish before they begin.
- Gives students the information they need to know, when they need to know it through enhancements to the step-by-step instructions, a new Q&A feature, and improved callouts on screenshots.
- Engages students with new Experimental steps, which encourage them to go beyond step-by-step instructions to take advantage of the features in the Adobe Photoshop CS4 software.
- Increases students' retention with brand new end-of-chapter exercises, including Make It Right, Extend Your Knowledge, and Make It Personal, which emphasize problem-solving and experimentation.
- Includes a CD containing the project files necessary to complete the exercises in each chapters.



- Each chapter begins with an introduction followed by a project which lets students see firsthand how Web development problems are solved from start to finish.
- The remainder of the project steps students through creating Web pages.

3 | Working with Layers

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Introduction

Whether it is adding a new person to a photograph, combining artistic effects from different genres, or creating 3D animation, the concept of layers in Photoshop allows you to work on one element of an image without disturbing the others. A layer is an image superimposed or separated from other parts of the photograph. You might think of layers as sheets of clear film stacked one on top of one another. You can see through transparent areas of a layer to the layers below. The nontransparent, or opaque, areas of a layer are solid and obscure lower layers. You can change the composition of an image by changing the order and attributes of layers. In addition, special features, such as adjustment layers, layer masks, fill layers, and layer styles, allow you to create sophisticated effects.

Another tool that graphic designers use when they want to recreate a portion of another photo is the Clone Stamp Tool. As you will learn in this chapter, the Clone Stamp Tool takes a sample of an image and then applies, as you draw, an exact copy of that image to your document.

Graphic designers use layers and clones along with other tools in Photoshop to create **composite** images that combine or merge multiple images and drawings to create a new image, also referred to as a **montage**. Composite images illustrate the power of Photoshop to prepare documents for businesses, advertising, marketing, and media artwork. Composite images, such as navigation bars, can be created in Photoshop and used on the Web along with layered buttons, graphics, and background images.

Project — Room Furnishing

Chapter 3 uses Photoshop to create a composite image from several photographs by using layers. Specifically it begins with a photo of an empty room and creates a compos-



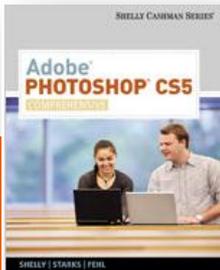
Plan Ahead boxes prepare students to create successful projects by encouraging them to think strategically about what they are trying to accomplish before they begin working.

Plan Ahead**General Project Guidelines**

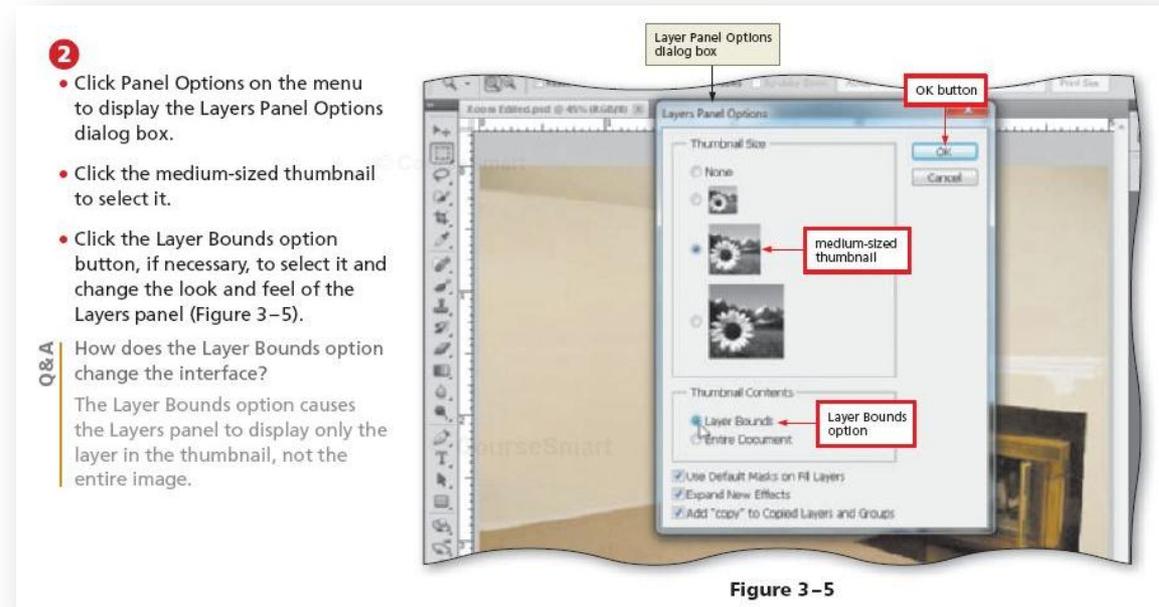
When editing a photo, the actions you perform and decisions you make will affect the appearance and characteristics of the finished product. As you edit a photo, such as the one shown in Figure 3–1 on the previous page, you should follow these general guidelines:

1. **Gather your photos and plan your layers.** The graphics you choose should convey the overall message of your composite image. Choose high-quality photos with similar lighting characteristics. Create an ordered list of the layers you plan to include. Select images that are consistent with the visual effect you want to achieve as well as with customer requirements.
2. **Create layer adjustments.** Fine-tune your layers by creating layer adjustments. Look at each layer and evaluate how it fits into the background scene. Experiment with different adjustment tools until the layer looks just right. Decide whether to use destructive or nondestructive edits. Keep in mind the standard tonal dimensions of brightness, saturation, and hue.
3. **Edit layer styles.** Add variety to your layers by including layer styles such as shadow, glow, emboss, bevel, overlay, and stroke. Make sure the layer style does not overwhelm the overall image or detract from previous layer adjustments.

When necessary, more specific details concerning the above guidelines are presented at appropriate points in the chapter. The chapter also will identify the actions performed and decisions made regarding these guidelines during the creation of the edited photo shown in Figure 3–1.



- Step-by-step instructions provide a context beyond the point-and-click.
- Each step provides information on why students are performing each task, or what will occur as a result.



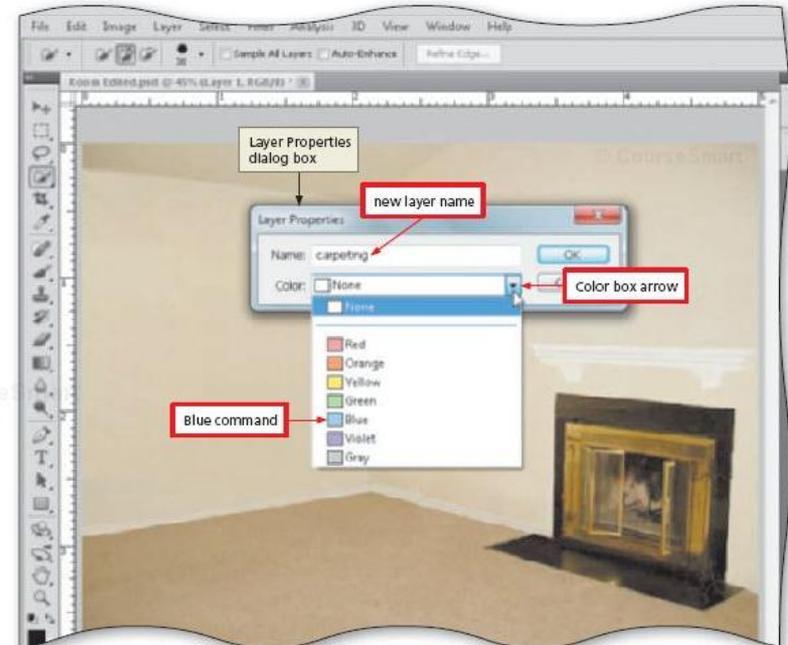
Experiment Steps encourage students to explore, experiment, and take advantage of the features of Dreamweaver. These steps are not necessary to complete the projects, but are designed to increase the confidence with the software and build problem-solving skills.

1

- Click the Layers panel menu button (shown in Figure 3–9) to display the menu.
- Click Layer Properties to display the Layer Properties dialog box.
- Type **carpeting** in the Name box to name the layer, carpeting.
- Click the Color box arrow to display the list of identification colors (Figure 3–10).

**Experiment**

- One at a time, click each of the colors and watch the changes on the Layers panel.

**Figure 3–10**

Learn It Online

Test your knowledge of chapter content and key terms.

Instructions: To complete the Learn It Online exercises, start your browser, click the Address bar, and then enter the Web address scsite.com/pscs5/learn. When the Photoshop CS5 Learn It Online page is displayed, click the link for the exercise you want to complete and then read the instructions.

Chapter Reinforcement TF, MC, and SA

A series of true/false, multiple choice, and short answer questions that tests your knowledge of the chapter content.

Flash Cards

An interactive learning environment where you identify chapter key terms associated with displayed definitions.

Practice Test

A series of multiple choice questions that test your knowledge of chapter content and key terms.

Who Wants To Be a Computer Genius?

An interactive game that challenges your knowledge of chapter content in the style of a television quiz show.

Wheel of Terms

An interactive game that challenges your knowledge of chapter key terms in the style of the television show *Wheel of Fortune*.

Crossword Puzzle Challenge

A crossword puzzle that challenges your knowledge of key terms presented in the chapter.





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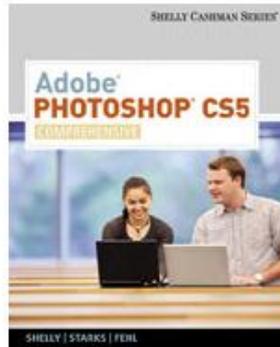
Chapter 1

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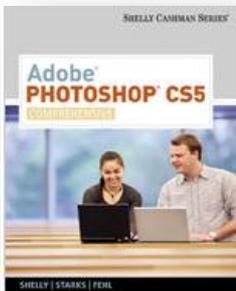
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CENGAGE **brain**



Apply Your Knowledge end-of-chapter activities enable students to apply the concepts they learned within the chapter.



Apply Your Knowledge

Reinforce the skills and apply the concepts you learned in this chapter.

Creating Layers in a Poster

Instructions: Start Photoshop and perform the customization steps found on pages PS 6 through PS 9. Open the Apply 3-1 Storage History file from the Chapter 03 folder of the Data Files for Students. You can access the Data Files for Students on the CD that accompanies this book. See the inside back cover of this book for instructions on downloading the Data Files for Students, or contact your instructor for information about accessing the required files.

The purpose of this exercise is to create a composite poster showing the history of external storage devices by creating layers. The edited photo is displayed in Figure 3-77.

Perform the following tasks:

1. Press **SHIFT+CTRL+S** to open the Save As dialog box. Enter the name, **Apply 3-1 Storage History Composite**. Do not press the **ENTER** key. Click the Format box



Extend Your Knowledge projects at the end of each chapter allow students to extend and expand on the skills learned within the chapter. Students use critical thinking to experiment with new skills to complete each project.

Extend Your Knowledge

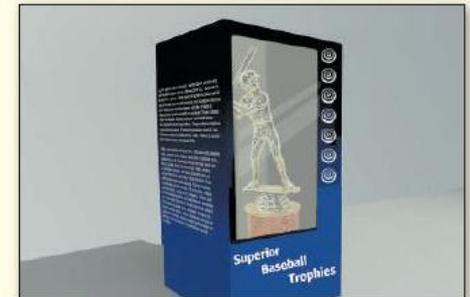
Extend the skills you learned in this chapter and experiment with new skills. You may need to use Help to complete the assignment.

Instructions: Start Photoshop. Set the default workspace, default colors, and reset all tools. Open the file Extend 3-1 Marketing Graphic from the Chapter 03 folder of the Data Files for Students. You can access the Data Files for Students on the CD that accompanies this book. See the inside back cover of this book for instructions on downloading the Data Files for Students, or contact your instructor for information about accessing the required files.

The purpose of this exercise is to create layer comps for client evaluation. The current graphic has layers for the background, inside, and outside of the box. You are to insert the trophy graphic and scale it to fit the box. Then create layer comps showing the inside and the outside. The edited photo is shown in Figure 3-78.

Perform the following tasks:

1. Save the file with the name, Extend 3-1 Marketing Graphic Composite. If necessary, click the Format box arrow and click Photoshop in the list. Browse to your USB flash drive storage device. Click the Save button. If Photoshop displays a Format Options dialog box, click the OK button.
2. Show and hide the various layers using the visibility icon to gain familiarity with the graphic.
3. Make the Background layer and inside layer visible; hide all other layers. Select the inside layer.



Make It Right
projects call on students to analyze a file, discover errors in it, and fix them using the skills learned.

Make It Right

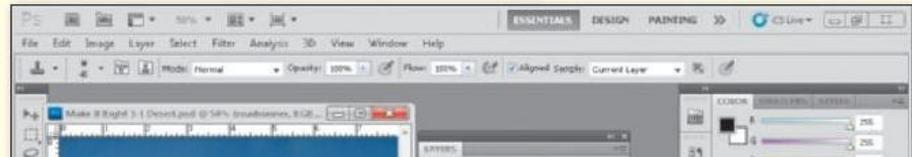
Analyze a project and correct all errors and/or improve the design.

Instructions: Start Photoshop and perform the customization steps found on pages PS 6 through PS 9. Open the Make It Right 3-1 Desert file from the Chapter 03 folder of the Data Files for Students. You can access the Data Files for Students on the CD that accompanies this book. See the inside back cover of this book for instructions on downloading the Data Files for Students, or contact your instructor for information about accessing the required files.

The photo has layers that are invisible, layers that need transformation, and layers that need to be moved, trimmed, and adjusted for levels (Figure 3–79).

Save the file on your storage device in the PSD format with the name, Make It Right 3-1 Desert Composite. For each invisible layer, reveal the layer, correct any order problem by dragging the layer to an appropriate position on the Layers panel, erase or mask parts of the layer as necessary, and move the layer to a logical position.

Use the Adjustments panel and tools such as Levels, Brightness/Contrast, and Hue/Saturation to create adjustment layers. (*Hint:* Do not forget to click the Clip to Layer button on the Adjustments panel status bar, so the adjustment will apply to that layer only.) Make any other adjustments or layer style changes as you deem necessary. Save the file again and submit it in the format specified by your instructor.



Three additional in-depth **In The Lab** assignments per chapter require students to utilize the chapter contents and techniques to solve problems using Photoshop.

In the Lab

Design and/or create a project using the guidelines, concepts, and skills presented in this chapter. Labs are listed in order of increasing difficulty.

Lab 1: Making Level Adjustments Using Masks

Problem: A local tourist company has hired you to create its latest brochure about historic homes. You encounter a photo that is too dark to use in the brochure. You decide to try adjusting the levels to lighten the steps, grass, and shrubs in the photo and prepare it for print in the brochure. The edited photo is shown in Figure 3–80.

Instructions: Perform the following tasks:

1. Start Photoshop. Set the default workspace, default colors, and reset all tools.
2. Open the file Lab 3-1 Historic Home from the Chapter 03 folder of the Data Files for Students. You can access the Data Files for Students on the CD that accompanies this book. See the inside back cover of this book for instructions on downloading the Data Files for Students, or contact your instructor for information about accessing the required files.
3. Click the Save As command on the File menu. Type **Lab 3-1 Historic Home Composite** as the file name. Click the Format box arrow and click Photoshop in the list. Browse to your USB flash drive



Figure 3–80



Found within the **Cases & Places** exercises, **Make It Personal** call on students to create an open-ended project that relates to their personal lives.

Cases and Places

Apply your creative thinking and problem-solving skills to design and implement a solution.

1: Cloning within the Same Document

Academic

Earlier in this chapter, a suggestion was made to create a flag with 50 percent opacity superimposed over a memorial. Open the files named Case 3-1 Memorial and Case 3-1 Flag, located in the Chapter 03 folder of the Data Files for Students. (Alternatively, locate or take a photo of a memorial in your city or a building on your campus. If necessary, obtain permission to use a digital photo or scan the image.) Arrange the windows. Select only the flag and then drag it as a new layer into the memorial photo. Resize the layer to fit across the memorial. Change the opacity to 40 percent. Make other corrections as necessary. Save the composite photo and print a copy.

2: Creating a Graphic with Opacity Changes

Personal

You recently took a photo of a deer at the local forest preserve. To make the picture more interesting, you decide to create a layer and clone the deer. Open the photo named Case 3-2 Deer, located in the Chapter 03 folder of the Data Files for Students. Click the Layer command on the menu bar, point to New, and then click Layer. Name the layer, deer. Click the Background layer, choose the Clone Stamp Tool, and take a sample of the middle of the deer. Click the new layer and clone the deer. On the Edit menu, click Free Transform and resize the cloned deer so it appears to be farther away. Flip the clone horizontally. Rename the file and save it in the TIF format on your storage device.

3: Creating a Greeting Card Graphic with Masking



Flashcards
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Q and A

Book Resources

 Blackboard Testbank
 Figure Files
 Instructor's Manual
 PowerPoint Presentations
 Solutions to Exercises
 Syllabus
 Test Bank and Test Engine
 WebCT Testbank
Chapter Reinforcement Exercises
Data Files for Students
Quick Reference

- Instructor's Manual Includes lecture notes, figures and boxed elements found in every chapter, teacher tips, classroom activities, lab activities, and quick quizzes
- Syllabus
- Figure Files: Illustrations for every figure in the book
- PowerPoint presentations for each chapter. Presentations are based on chapter objectives.
- Solutions to Exercises for all end-of-chapter and chapter reinforcement exercises.
- ExamView Testbank and Test Engine
- Student Data Files
- Chapter Reinforcement Exercises
 - True/ false, multiple-choice, and short answer questions
- eBook available





Chapter 1

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- Crossword Puzzle
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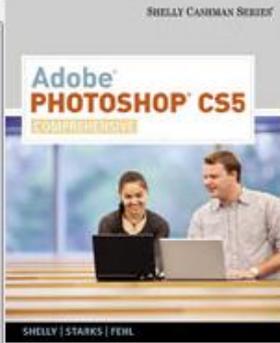
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