9. What does cascade in CSS refer to?
10. What are the three cascade principles used by browsers when style rules conflict? Briefly describe each.
11. Illustrate the CSS box model. Be sure to label each of the components of the box.
12. What is a web font stack? Why are they necessary?
13. What are the advantages and disadvantages of using a CSS framework? What are the different categories of CSS framework?
14. What are CSS variables? What problem do they address?

4.9.3 **Hands-On Practice**

PROJECT 1: Simple Styling

DIFFICULTY LEVEL: Beginner

Overview
This project requires you to use some simple CSS styling.

Instructions
1. Examine **ch04-proj01.html** in the browser. Do not make any changes to this file.
2. Edit the file **styles.css** by defining styles so that it looks similar to that shown in Figure 4.41. The steps below provide more **details**.
3. The `<body>` element has top margin of `0em`, left and right margins of `4em`, and a bottom margin of `0em`.
4. The font for the `<h1>` and `<blockquote>` is `Roboto Slab` with a size of `2rem` and `1.25rem`. The font everywhere else is `Open Sans` with a size of `0.9rem`, `1rem`, or `1.25rem`.
5. You will have to adjust `margin`, `padding`, and `border` properties for multiple elements.
6. The links have the same color for visited and not-visited. For the two external links, you will need to add borders with rounded corners. You will also need to define hover so that the background color is `#a9a9ba`, and the text color is `#9f2042`.
7. You will have to make use of `text-transform`, `text-align`, and `text-decoration` properties.
8. Set the `width` property of the image so it scales to its container's size (use a `%` value).

Guidance and Testing
1. CSS can be overwhelming at times. The instructions above break the task down into smaller steps. Test each step along the way in a browser.
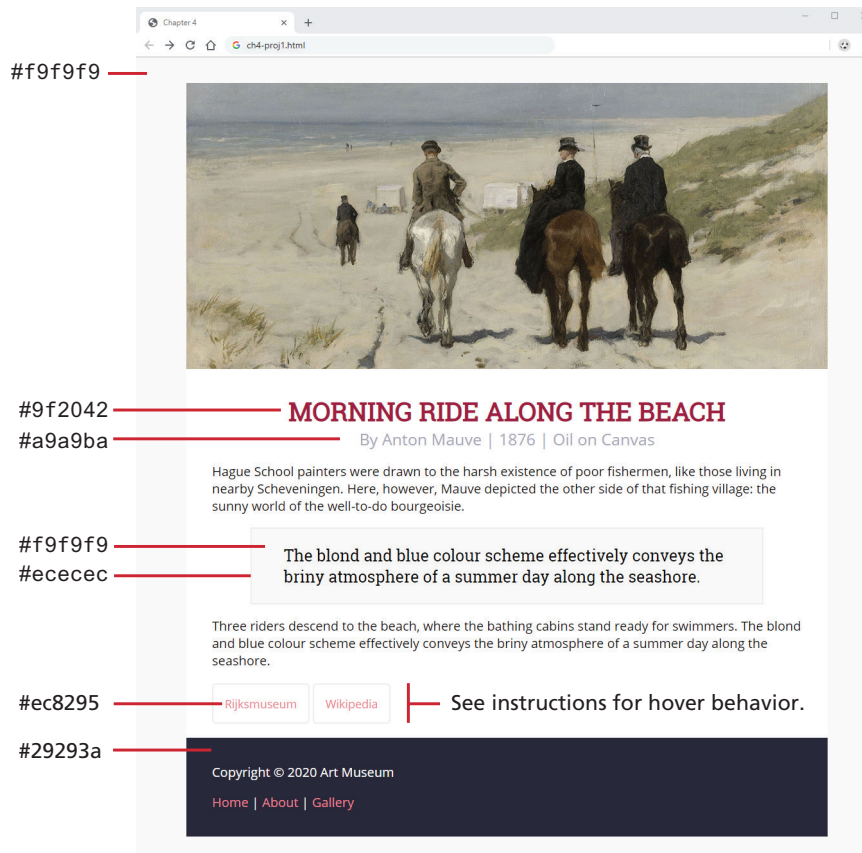2. When completed, test at different browser sizes.

#f9f9f9 —

#9f2042 —
#a9a9ba —

#f9f9f9 —
#ececec —

#ec8295 —

#29293a —

See instructions for hover behavior.

FIGURE 4.41 Completed Project 1

PROJECT 2: Using Boxes

DIFFICULTY LEVEL: Intermediate

Overview

This project requires a bit more complicated CSS styling. The focus here is on working with box properties.

Instructions

1. Examine **ch04-proj02.html** in a browser and then in the editor of your choice. Do not make any changes to this file.

2. Edit the file **ch04-proj02.css** by defining styles so that it looks similar to that shown in Figure 4.42. The steps below provide more details.

3. Add about `40px padding` to the `<body>`. Set the `width` of the `<section>` to `910px`. You will need a variety of different text styling, using a variety of different font sizes and font weights, as shown in Figure 4.42.