



CSF3133

WEB-BASED INTERFACE DESIGN

LAB MODULE 7

HTML, CSS AND JAVASCRIPT

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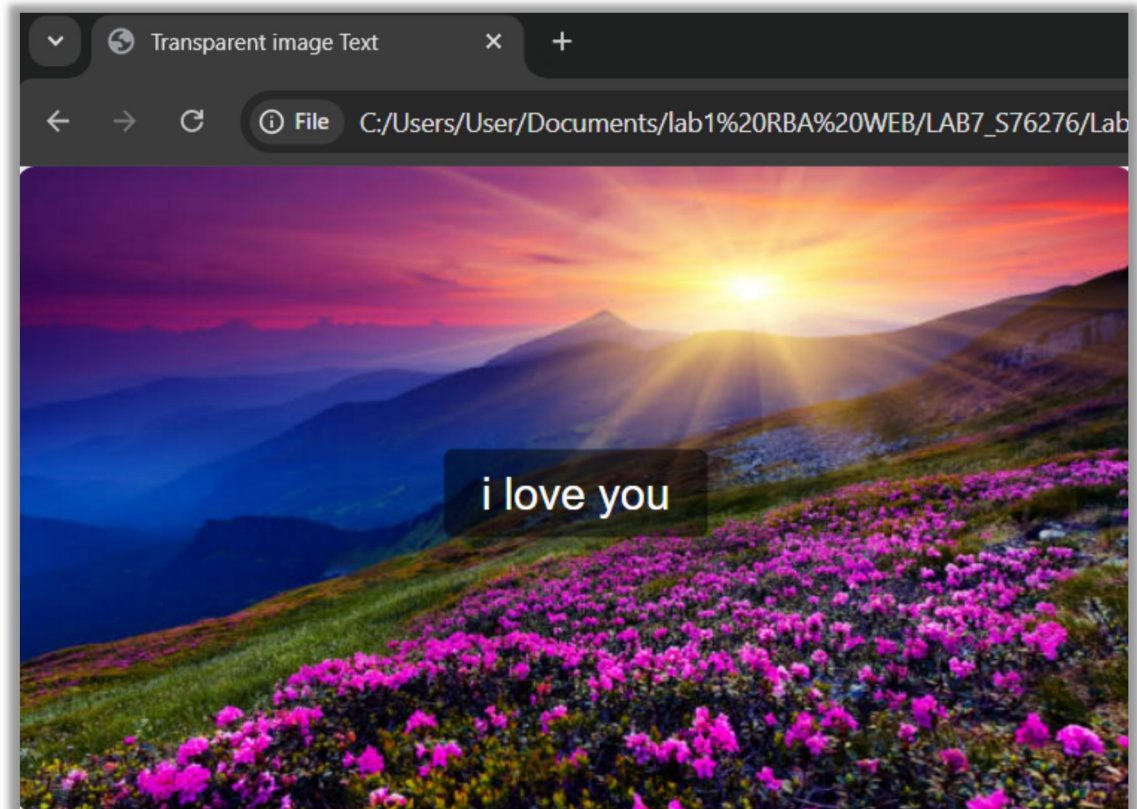
DATE:

10 DECEMBER 2025

7.1 Create a Transparent Image Text

Imagine a landscape image with a semi-transparent overlay in the center, displaying text like “Explore Nature.” This activity helps reinforce concepts of HTML structure, positioning with CSS and styling elements effectively.

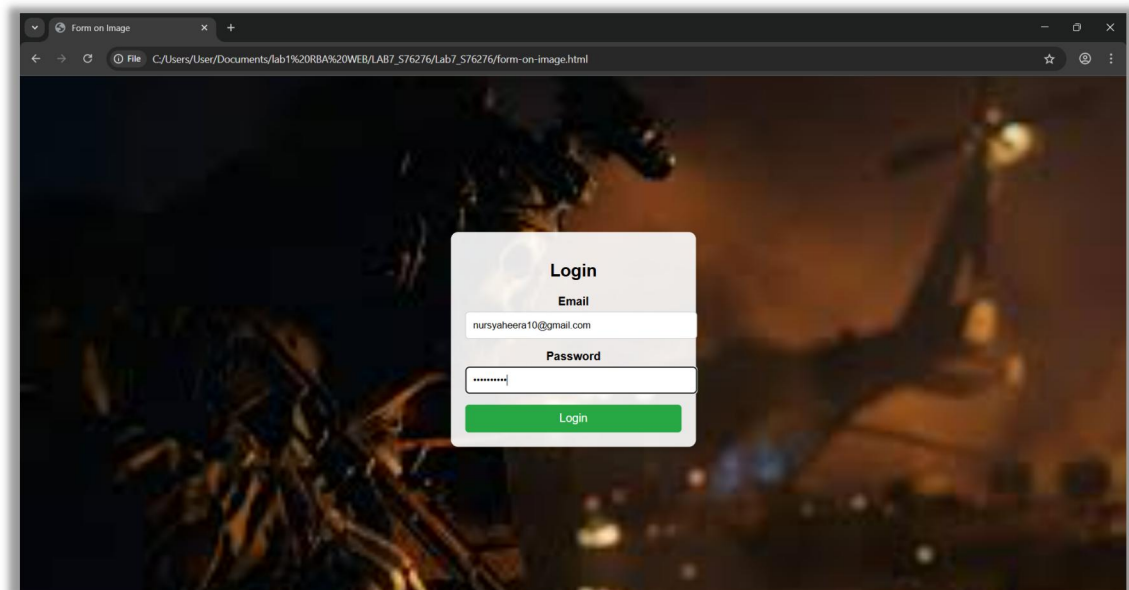
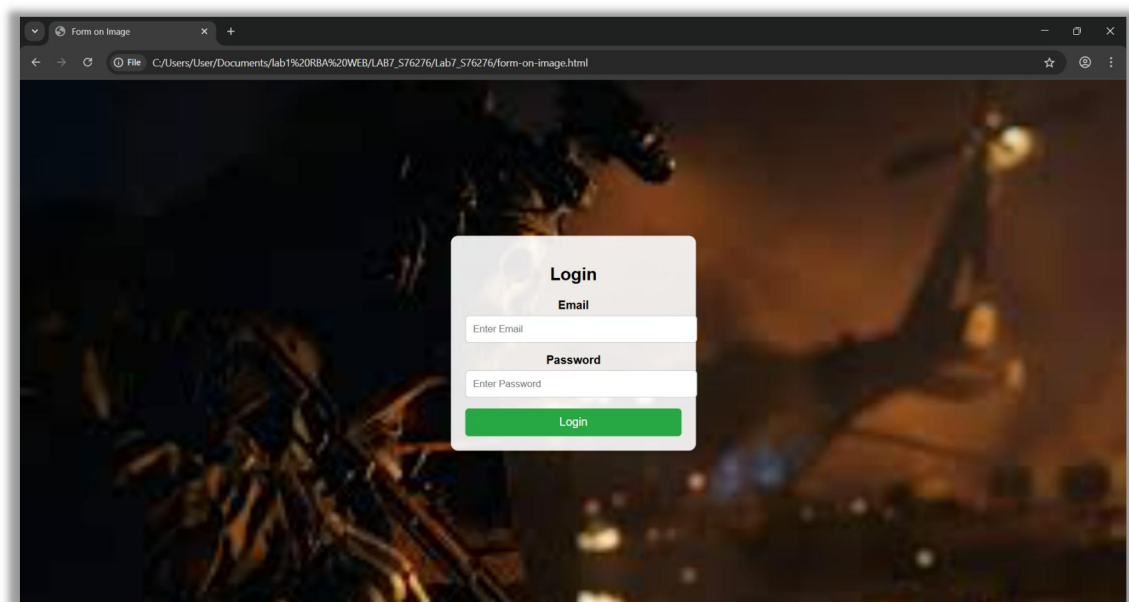
Output:



7.2 Create a Form on Image

In this activity, you will design a login form overlaying an image. The form will be responsive and positioned over a background image to make it visually appealing.

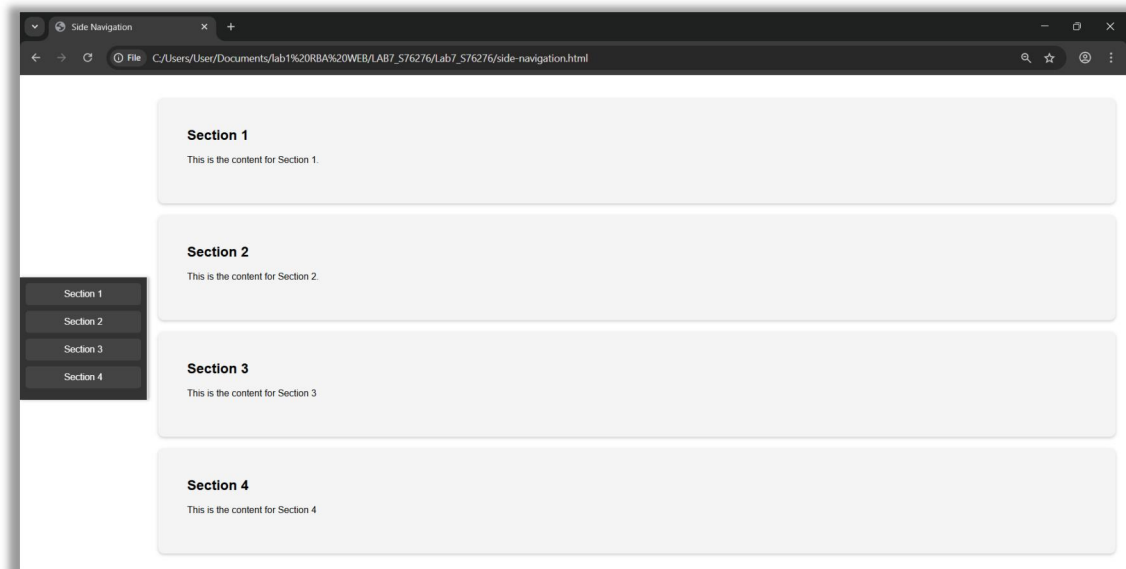
Output:



7.3 Create a Side Navigation Buttons

In this activity, you will design a webpage with side navigation buttons that allow users to navigate to different sections of the page. The navigation buttons will be positioned on the left side of the page and styled to enhance user experience.

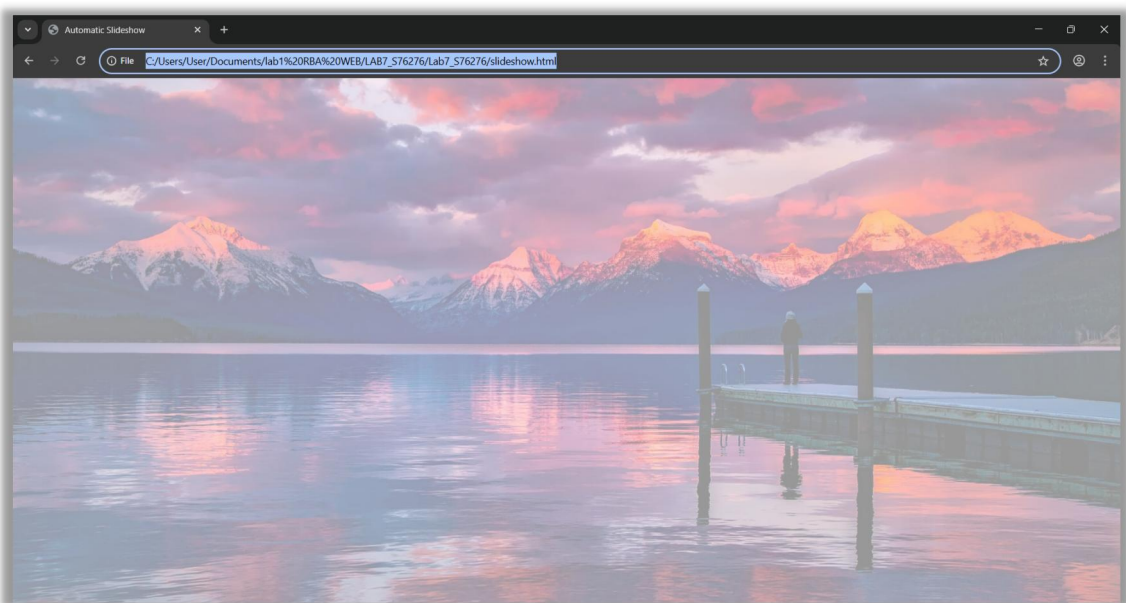
Output:

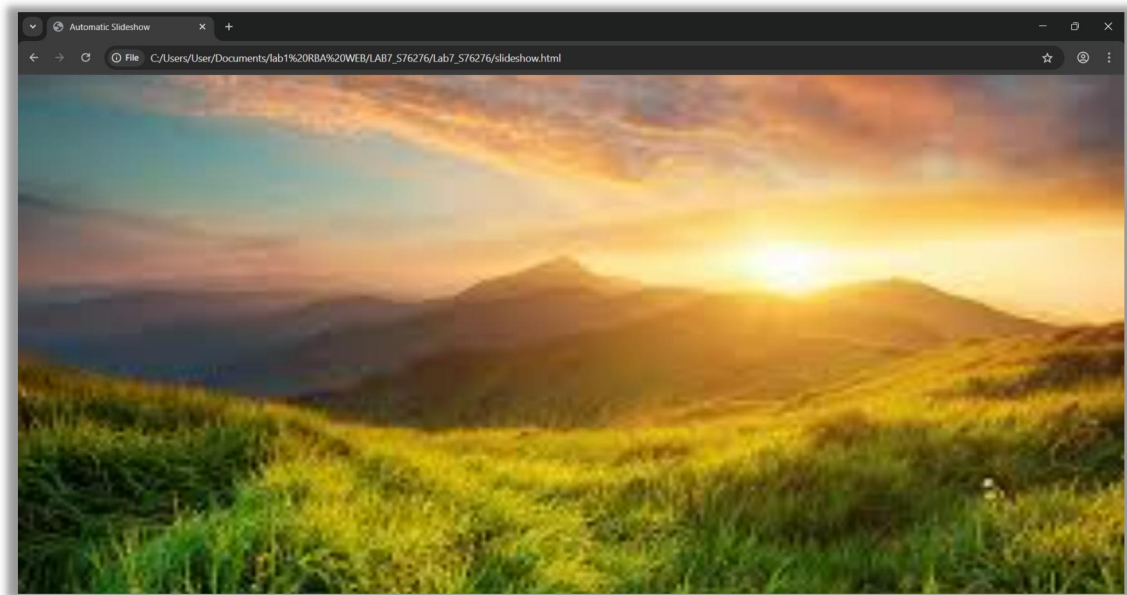


7.4 Create Automatic Slideshow

In this activity, you will create a simple and attractive automatic slideshow that displays images, transitioning between them every few weeks.

Output:

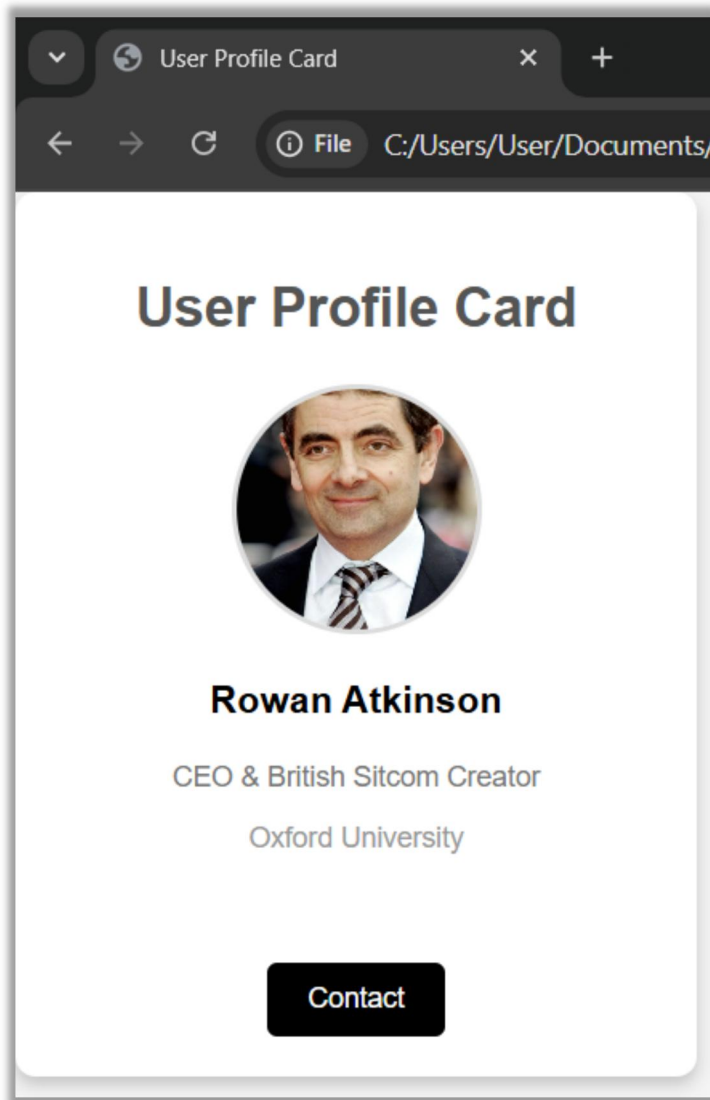




7.5 Create Profile Card

In this activity, you will design a user profile card similar to the image provided. The card will include a user image, name, designation, educational background, social media links, and a “Contact” button.

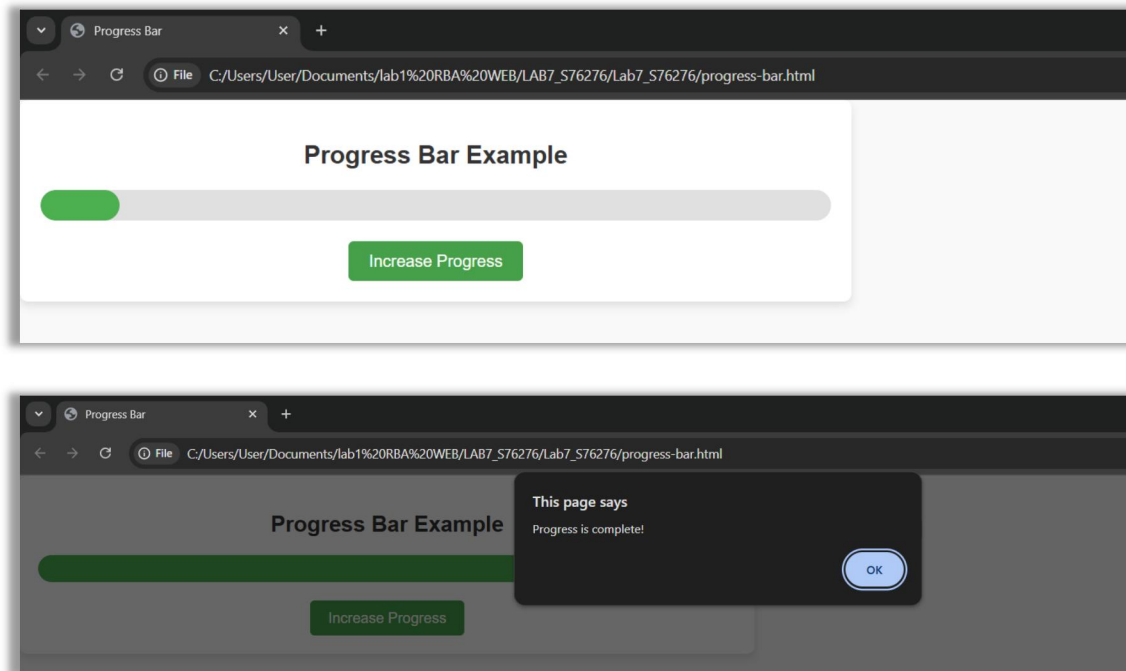
Output:



7.6 Create Progress Bar

In this activity, you will create a progress bar that visually shows the progress of a task, such as uploading files or completions of quizzes. The progress bar will update dynamically as a button is clicked.

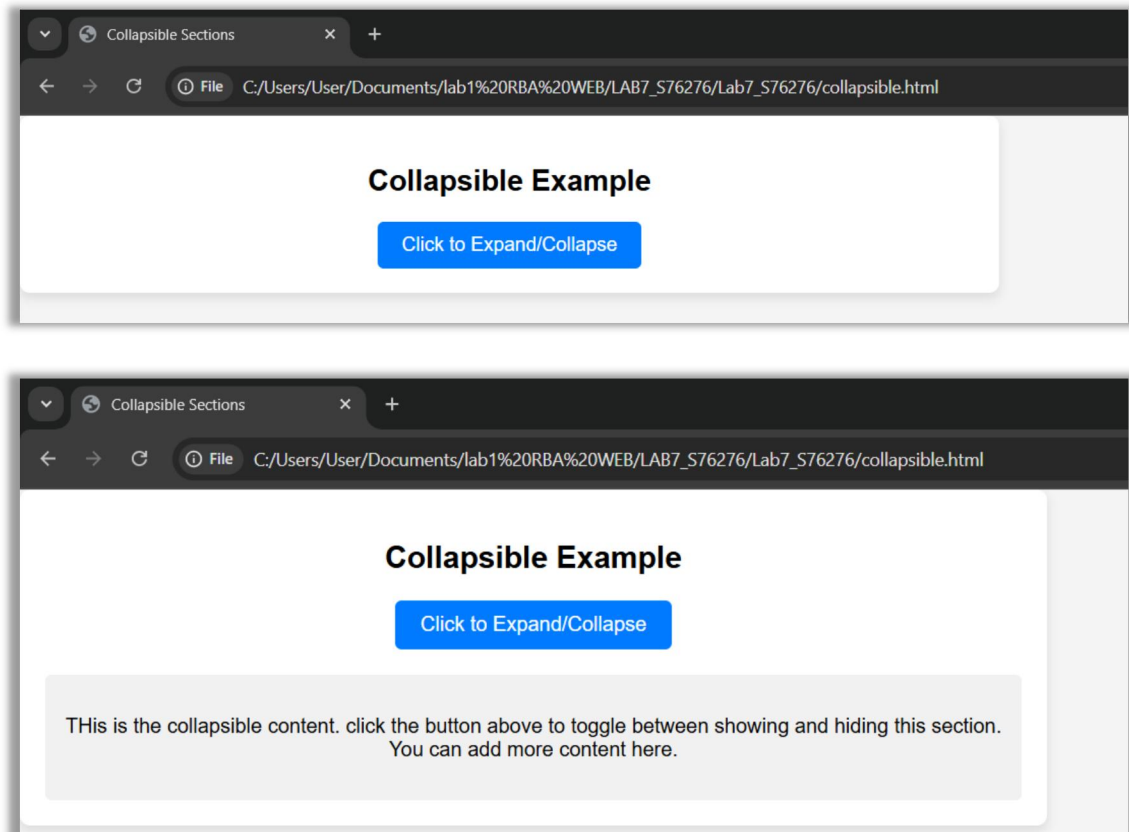
Output:



7.7 Create A Collapsible

In this activity, you will create a collapsible section that can be toggled between showing and hiding content when a button is clicked. This feature is commonly used in FAQs or sections with expandable content.

Output:



7.8 Lab Exercise 7

The objective of this lab is to integrate multiple concepts of HTML, CSS, and JavaScript to create visually appealing and interactive web elements. Students will work on building A homepage that includes all components of Lab 7 to enhance their understanding of front-end development. Use this opportunity to explore your creativity in layout, colors, fonts, and interactivity while following these minimum requirements.

7.8.1 Advanced Web Design and Interaction

Instruction

1. Transparent Image Text

- Use a responsive background image and overlay it with clear and readable text using CSS.
- The text should be descriptive and act as the main title or tagline of the homepage

2. Form on Image

- Include a login or sign-up form over a background image
- Ensure the form is responsive and visually appealing

3. Side Navigation

- Add a vertical navigation bar linking to different sections of your homepage.
- Ensure smooth scrolling or visibility when a section is clicked

4. Automatic Slideshow

- Include an image carousel or slideshow showcasing relevant images for your homepage theme
- Use JavaScript to automate the slideshow transitions

5. Profile Card

- Create a profile card for yourself or a fictional character.
- Include an image, title, description, and social media icons.

6. Progress Bar

- Add a progress bar to show loading or progress in an area of your homepage (eg., page load, skill levels, or project completion).

7. Collapsible Section

- Include a collapsible section that hides and shows content dynamically (e.g., FAQs, additional information, or testimonials).
- Use JavaScript for interactivity

Instruction

1. While you must include all the components mentioned above, you are free to design the homepage in your unique style
2. Choose a theme (e.g., personal portfolio, travel blog, company homepage, or online store)
3. Use external CSS to style your web-page. Experiment with colors, fonts, margins, and animations to make your page visually appealing
4. Use JavaScript to make the page interactive (eg, for the collapsible section, slideshow, and progress bar).
6. Zip your Lab7 Project folder and name it Lab7_Project.zip
6. Submit your project through the provided submission portal by the due date

Output:

