

Project Title	Image Slider
Technologies	HTML, CSS, JavaScript
Project Difficulties level	Intermediate

Project Description: In this web development project, you will create an image slider or carousel using HTML, CSS, and JavaScript. An image slider is a common component used to display a series of images in a visually appealing way, and it's a valuable skill for any front-end developer. This project will help you practice your HTML, CSS, and JavaScript skills while creating an interactive user interface.

Project Requirements:

HTML Structure: Create the HTML structure for the image slider. You should have a container for the slider, navigation buttons (previous and next), and a section to display the images.

CSS Styling: Style the image slider using CSS. This includes defining the size, positioning, and transitions for the images and navigation buttons. Ensure that the slider looks visually appealing and is responsive.

Image Array: Prepare an array of at least 5 images that will be displayed in the slider. You can use any image of your choice; make sure they are appropriately sized.

JavaScript Functionality: Implement the JavaScript logic for the image slider. You should create functions to:

- Display the first image when the page loads.
- Allow users to click on "Next" and "Previous" buttons to navigate through the images.
- Loop back to the first image after reaching the last one.

Automatic Slideshow: Add an option to make the slider automatically transition to the next image after a certain interval (e.g., every 3 seconds).

User Experience: Ensure that the user experience is smooth and intuitive. Images should transition with a pleasing animation, and the slider should provide feedback to users about their current position.

Documentation: Include comments in your HTML, CSS, and JavaScript code to explain the functionality and purpose of each part of the project.

Submission Guidelines:

- You should submit a zip file containing all the project files, including HTML, CSS, and JavaScript files.
- Provide a brief README document explaining how to run and use your image slider.

Grading Criteria:

Your project will be graded based on the criteria mentioned above. Pay attention to the quality of your code, user interface design, and functionality. Extra points will be awarded if you complete the bonus task (automatic slideshow).

Important Notes:

- Make sure your project is responsive and looks good on both desktop and mobile devices.
- Test your image slider thoroughly to ensure that it functions as expected.
- Be creative and feel free to add additional features or styling to enhance your project.

Good luck with your project, and have fun creating an interactive image slider!