

Project Title	Music Player
Technologies	HTML, CSS, JavaScript
Project Difficulties level	Hard

Project Description:

Overview:

In this web development assignment, you will create a web-based music player application using HTML, CSS, and JavaScript. The project aims to provide hands-on experience in building a user-friendly and interactive music player that can play audio files.

Project Requirements:

Your music player should have the following features:

- **User Interface:** Design a clean and intuitive user interface for the music player. It should include controls such as play, pause, volume adjustment, and a progress bar.
- **Audio Playback:** Implement the ability to play audio files. You can use HTML5's `<audio>` element to handle audio playback.
- **Playlist:** Allow users to create a playlist of songs to play. You can either use a static playlist or provide the option for users to add and remove songs dynamically.
- **Play, Pause, and Seek:** Users should be able to play and pause the audio, as well as seek to different parts of the song using the progress bar.
- **Volume Control:** Include a volume control slider to adjust the audio volume.
- **Song Information:** Display the current song's title, artist, and album information.
- **Responsive Design:** Ensure that your music player is responsive and works well on different screen sizes.

Project Guidelines:

- **Technologies:** Use HTML for structuring the player, CSS for styling, and JavaScript for functionality. You can use additional libraries or frameworks if desired.

- **Audio Files:** You can either use a set of predefined audio files for your project or provide functionality for users to upload and manage their audio files.
- **User Experience:** Focus on providing a seamless and enjoyable user experience. Make sure the user interface is easy to use and visually appealing.
- **Documentation:** Include comments in your code to explain the functionality of various components. Also, create a brief document that explains how to use your music player.

Submission Guidelines:

- Your assignment should include HTML, CSS, and JavaScript files.
- Compress all project files into a single ZIP file for submission.
- Include a readme document (in PDF format) explaining the project, its features, and how to use it.
- Provide a link to a live demo of your music player if available.

Evaluation Criteria

Your assignment will be evaluated based on the following criteria:

- **Functionality:** Does the music player play audio files, manage playlists, and control audio properly?
- **User Interface:** Is the user interface well-designed and responsive?
- **Code Quality:** Is the code clean, organized, and well-documented?
- **User Experience:** Does the music player provide a smooth and enjoyable user experience?
- **Creativity:** Are there any unique features or design elements that make your music player stand out?

Deadline

The assignment is due on [Insert Due Date]. Late submissions will not be accepted.

Resources

You can refer to online tutorials and documentation for guidance on building a music player with HTML, CSS, and JavaScript. Feel free to explore libraries or frameworks that can simplify the development process.

Good luck, and enjoy building your music player!