

Implementation

Proper HTML, CSS, JAVASCRIPT IS WRITTEN WITH COMMENTS DESCRIBING EACH AND EVERYTHING WHEREVER REQUIRED.

Testing

1. Unit Testing (Testing Small Parts of Code)

- Test Individual Functions
 - Check if the play, pause, next, and previous functions work correctly.

2. Integration Testing (Checking How Components Work Together)

- Test Audio API with Player Controls
 - Ensure the Audio API plays the correct track when clicking "Play".
- Test Event Listeners
 - Check if button clicks trigger the expected actions.

3. End-to-End (E2E) Testing (Simulating User Interaction)

- Test User Interactions (Using tools like Cypress, Selenium, or Puppeteer)
 - Check if clicking "Play" actually starts the music.
 - Verify that the progress bar updates correctly.
 - Ensure volume control responds correctly.