

MUSIC PLAYER USING JAVASCRIPT – PROJECT PLAN

1. Planning (Understanding the Goal):

- **Purpose of the Project:**
To develop a web-based music player using JavaScript that allows users to play, pause, skip, and control music tracks through an interactive and responsive interface.
- **Problem Solved:**
Provides a simple and accessible music playback solution directly in the browser without the need for external applications.
- **Team Discussion & Responsibilities:**
 - Assign clear roles for design, development, testing, and documentation.
 - Maintain weekly sync-ups to track progress and resolve issues.
- **Project Roadmap:**
Outline key milestones for planning, UI design, JavaScript integration, testing, and deployment.

2. Team Members & Roles:

- **Mayank Jain** – Project Lead & Frontend Developer
- **Manthan Garg** – UI/UX Designer & Documentation
- **Manav Sharma** – JavaScript Developer
- **Moksh Bansal** – Testing & Bug Fixing

3. Features & Functionalities:

- **Play/Pause Music:** Basic control to start or stop audio playback.
- **Next/Previous Track:** Navigate through multiple songs.
- **Track Progress Bar:** Shows and controls playback position.
- **Volume Control:** Adjust or mute the audio level.
- **Track Info Display:** Shows song title, artist, and album cover.

- **Responsive Design: Works across desktops, tablets, and mobile devices.**
- **(Optional) Playlist Support: Load and switch between playlists.**

4. Project Milestones:

Phase	Task Description	Deadline
Phase 1	Project Planning & Role Assignment	[26 March 2025]
Phase 2	UI/UX Design + Basic HTML/CSS Setup	[26 March 2025]
Phase 3	JavaScript Logic for Music Player	[28 March 2025]
Phase 4	Testing & Debugging	[1 April 2025]
Phase 5	Final Review & GitHub Deployment	[2 April 2025]

5. Tools & Technologies Used:

- **Frontend:** HTML, CSS
- **Functionality:** JavaScript
- **Testing:** Chrome , Manual Testing
- **Deployment:** GitHub Pages -
(https://github.com/Codermayank123/MusicPlayer_SCM.git)

6. Deployment Process (GitHub Pages):

1. **Create a GitHub Repository:** Push all files to the repo.
2. **Enable GitHub Pages:**
 - Go to **Settings** → **Pages**
 - Choose the branch (e.g., main) and save
3. **Get the Live Link:** Share the deployed URL with users or team members.

7. Conclusion & Next Steps:

- **Final Testing & Optimization:** Ensure smooth performance across all devices.
- **Feedback Collection:** Gather user input to enhance the interface and features.
- **Future Enhancements:** Add theme customization, playlists, and advanced playback options.