**Music Player Project Documentation**

**1. Project Overview**

This music player is a web-based audio player created using HTML, CSS, and JavaScript.

**2. Features**

* **Play/Pause**: Start and pause the current track.
* **Track Navigation**: Move between previous and next tracks.
* **Shuffle & Repeat**: Shuffle songs randomly or repeat the current track.
* **Volume Control**: Adjust the audio volume.
* **Track Progress Bar**: Allows users to see and control playback progress.
* **Add New Song**: Upload additional songs from the local system.

**3. File Structure**

music-player/

├── index.html # Main HTML file for music player interface

├── style.css # CSS for player styling and layout

├── script.js # JavaScript for functionality and interactivity

├── img/ # Folder containing icon images

│ ├── library.png

│ ├── cancel.png

│ ├── all-songs.webp

│ ├── add.png

│ ├── mix.png

│ ├── prev-song.png

│ ├── next-song.png

│ ├── repeat.png

│ └── volume.png

├── music/ # Folder containing sample music files

│ └── \_Tu Hai Kahan.mp3

└── README.pdf # Documentation PDF explaining the project

**4. Technology Stack**

* **HTML**: Used to structure the layout of the music player interface.
* **CSS**: Provides styling for the player layout, icons, buttons, and track progress.
* **JavaScript**: Handles core functionality such as audio playback, track navigation, and volume control.

**5. Code Explanation**

**HTML (index.html)**

* **Container (<div class="container" id="container">)**: Holds the primary music player and side navigation.
* **Navigation Panel (<nav>)**:
  + **Menu Icon** (<img src="img/library.png" class="icon" id="menu-icon" />): Opens the navigation menu.
  + **Song Library** (<div class="all-songs" id="all-songs-container">): Displays a list of all songs available.
* **Music Card (<div class="music-card">)**: Contains the player interface:
  + **Album Image (<div id="album-img"></div>)**: Placeholder for displaying the album image of the currently playing song.
  + **Playback Controls (<div class="icons">)**:
    - **Track Progress Bar** (<input type="range" id="track-slider" />): Allows users to track and control song progress.
    - \*\*Shuffle Button (<img src="img/mix.png" id="mix" />): Shuffles the playlist.
    - **Previous, Play, and Next Buttons** (<img src="img/prev-song.png" id="left" />, <span id="play">►</span>, <img src="img/next-song.png" id="right" />): Used to navigate between songs.
    - \*\*Repeat Button (<img src="img/repeat.png" id="repeat" />): Repeats the current song.
  + **Volume Control (<div class="volume">)**: Allows users to adjust audio volume with a range input slider (<input type="range" id="volume-slider" />).
* **Footer**: Displays details about the currently playing song:
  + **Song Name (<h2 id="current-song-name">)**: Shows the song title.
  + **Now Playing Indicator** (<span class="title">Now Playing</span>): Indicates the playing status.
* **Audio Element (<audio id="music" src="music/\_Tu Hai Kahan(PagalWorld.com.sb).mp3"></audio>)**: HTML audio element for playing the selected track.

**6. Usage Instructions**

1. **Starting the Player**:
   * Open the index.html file in a browser to access the player interface.
2. **Controls**:
   * **Play/Pause**: Click the "►" button to play and pause the track.
   * **Next/Previous**: Use the left and right arrows to switch songs.
   * **Shuffle/Repeat**: Click the shuffle icon for random playback and the repeat icon to loop the song.
   * **Volume Control**: Adjust volume with the slider below the volume icon.
3. **Adding Songs**:
   * Click the "Add New Song" button to upload audio files from your system.

**7. Live Demo:**

Open the index.html file in a browser to access the player interface.

**8. Future Improvements**

* **Enhanced Playlist Display**: Show the playlist with album images.
* **Search Feature**: Allow users to search for specific songs.
* Extract file