

Acceptance criteria:-

1. The App must have 4 major sections:
 - a. All songs
 - b. Song card
 - c. Playlist
 - d. Toggle theme
2. The All songs section should render a list of all the songs and should also have the functionality to filter the songs based on genre.
3. Clicking on any of the songs in the list should play that song.
4. The Song card section should display the song card with the image,name and artist name of the song which is currently played.
5. It should also include the controls like play, prev and next.
6. It should also allow the user to add the song to the particular playlist.
7. The Playlist section should display all the playlists already created and an option to create a new playlist.
8. When a particular playlist is clicked, all the songs added in that playlist should be listed in that section only.
9. The Toggle theme section should be a button which when clicked should change the theme from dark to light and vice-versa.

Tasks:-

1. Create an array to store all the songs. Each song is represented as an object with id, name, artist, img, genre, and source as its properties.
2. To change the theme of the app, create a toggleTheme() function, which should set the data-theme attribute to dark or light, depending on its previous value.
3. For the songs section, create a function showSongs() to render the list of songs depending on the currently selected genre. If no genre is selected, it should render all the songs.

4. There should be a change event handler for every dropdown menu option, which updates the song list, according to the selected option value, which represents different filters available.
5. For the Song Card section, the currently selected song should be displayed with its image, song name, and artist name.
6. It should have control buttons such as “next”, “previous” and “Add to Playlist”.
7. Create a function `renderCurrentSong` which could be called whenever a song is selected to render its info in the song card and to play it.
8. Create a function `addtoPlaylist` function to handle the click event of the “Add to Playlist” button and add the song to the selected Playlist.
9. On click of the next button next song should be played, and on click of the previous button, the previous song present should be played. Both the next and previous buttons should be able to handle edge cases.
10. For the Playlist section, create a function `createPlaylist()` which should be linked to the click event of the “create playlist” button and should handle creating a new playlist and adding that to all playlist sections.
11. Create a `renderPlaylistSong` which should be linked to the click event of all playlists and should be used to display the song present in the playlist.

Additional Tasks:-

You can add the following functionality to the project to maximize your score:

1. Create a search input field to search for a particular song.
2. Create a search input field to search for a particular playlist.
3. Create an option to remove a song from the playlist.

Hints:-

The whole project can be divided into 3 div:

1. Heading: Displays the name of the Music Application and the toggle button.
2. Container: Displays a form to create and update images in a specific album.

The Container can have the following div:

2. All-song-div: It can be used to display all the song along with filter option
3. Card div: It can be used to show the currently playing show along the various control buttons.
4. Playlist div: It can be used to store all playlists and also the create new playlist option.

Evaluation Criteria:-

Your project will be evaluated on following parameters -

1. ALL SONG SECTION (Max Score 15)
Render the song correctly using array and implement filter functionalities
2. EVENT HANDLING FOR ALL SONG SECTION (Max Score 20)
Each song should have onclick event and the filter options should have change event
3. SONG CARD SECTION (Max Score 20)
The Song details should be rendered correctly, Control Buttons should Function correctly
4. TOGGLE BUTTON (Max Score 15)
Should be able to change the theme from light to dark and vice versa.
5. PLAYLIST SECTION (Max Score 20)
Should be able to create new Playlist. Newly created playlist should be appended to the all playlist section with the click event. On selecting the playlist the song should be added to that particular playlist. The song added to the playlist should be preserved
6. ADDITIONAL TASK (Max Score 10)
Should have a search option to search for a song and for playlist. Should have a option to remove a song from playlist