**Use Cases( Iteration 2)**

**Link to wiki Page:** [**https://github.com/ShivaniPandula/MusicMix\_GDP-05/wiki/Use-Cases-(Iteration-2)**](https://github.com/ShivaniPandula/MusicMix_GDP-05/wiki/Use-Cases-(Iteration-2))

**Use Case 1: User Registration**

* **Goal:** A new user wants to register an account on the MusicMix web application.
* **User Input:** User provides personal information (name, email), chooses a username and password.
* **System Actions:**
  + The system validates the user's input data.
  + The system creates a new user account.
* **Output:** User receives a confirmation message, and their account is registered.

**Use Case 2: User Login**

* **Goal:** A registered user wants to log in to their account.
* **User Input:** User enters their username and password.
* **System Actions:**
  + The system verifies the user's credentials.
  + If valid, the system grants access to the user's account.
* **Output:** User gains access to their account dashboard.

**Use Case 3: Music Playback**

* **Goal:** A user wants to stream music tracks, albums, or playlists.
* **User Input:** User selects a song, album, or playlist for playback.
* **System Actions:**
  + The system retrieves the selected music content.
  + The system streams the music with high-quality audio.
* **Output:** User can listen to the selected music content.

**Use Case 4: Playlist Creation**

* **Goal:** A user wants to create a personalized playlist.
* **User Input:** User selects songs to add, edit , Delete or existing playlist.
* **System Actions:**
  + The system allows the user to create a new playlist or select an existing one.
  + The system adds the selected songs to the playlist.
* **Output:** User's playlist is created or updated with the selected songs.

**Use Case 5: Music Discovery**

* **Goal:** A user wants to discover new music through curated playlists, radio stations, or recommendations.
* **User Input:** User explores featured playlists, trending tracks, or genre-based recommendations.
* **System Actions:**
  + The system presents curated playlists, trending tracks, and genre-based recommendations.
  + The system suggests new music based on user preferences and listening history.
* **Output:** User discovers new music content to explore and enjoy.

**Use Case 6: Offline Playback**

* **Goal:** A user wants to listen to music without an internet connection.
* **User Input:** User selects music for offline playback.
* **System Actions:**
  + The system allows the user to download selected music content for offline listening.
  + The system stores downloaded music locally on the user's device.
* **Output:** User can listen to downloaded music offline, without requiring an internet connection.

**Use Case 7: Account Settings Update**

* **Goal:** A user wants to update their account settings and preferences.
* **User Input:** User edits their account information, notification settings, or password.
* **System Actions:**
  + The system validates and updates the user's account settings.
* **Output:** User's account settings and preferences are updated successfully.

**Use Case 8: Social Sharing**

* **Goal:** A user wants to share music with friends or followers on social media platforms.
* **User Input:** User selects music content to share and chooses a social media platform.
* **System Actions:**
  + The system generates a shareable link or post with the selected music content.
  + The system posts the shareable link or content to the chosen social media platform.
* **Output:** User's selected music content is shared with friends or followers on social media.

**Use Case 9: Search and Filtering**

* **Goal:** A user wants to search for specific music content and apply filters for refined results.
* **User Input:** User enters search keywords and selects filtering options.
* **System Actions:**
  + The system searches for music content matching the entered keywords.
  + The system filters search results based on user-selected criteria (e.g., artist, genre).
* **Output:** User sees refined search results matching their criteria.

**Use Case 10: Admin User Management**

* **Goal:** An administrator wants to delete a user account that is no longer needed in the system.
* **User Input:** Administrator accesses the user management section and selects the user account to be deleted.
* **System Actions:**
  + The system prompts the administrator to confirm the deletion action to prevent accidental removal.
  + The system removes the selected user account from the database, including any associated permissions and access rights.
* **Output:** The administrator receives confirmation that the user account has been successfully deleted from the system, and the user will no longer be able to log in or access any resources.

**Use Case 11: Admin Content Management**

* **Goal:** An administrator needs to manage the music content in the application.
* **User Input:** Administrator accesses the music management section in the admin dashboard.
* **System Actions:**
  + The system provides options for adding, deleting, or editing music content, including tracks, albums, and playlists.
* **Output:** The administrator receives confirmation of successful actions, ensuring that the music content in the application is effectively managed according to their requirements.

**Use Case 12: User Feedback**

* **Goal:** Users want to provide feedback, suggestions, or report issues to the MusicMix platform administrators.
* **User Input:** Users navigate to the feedback section of the application and submit their feedback.
* **System Actions:**
  + The system provides a dedicated feedback form where users can input their comments, suggestions.
* **Output:** Users feel heard and valued as their feedback is acknowledged and addressed by the MusicMix platform administrators, leading to improvements and enhancements based on user input.

**UseCase Diagram:**

A diagram of a person's relationship

Description automatically generated