

Functional Requirements

| Functionality | Description | Sub-Functionality | Example |
|--|---|---|--|
| User Authentication | The basic functions allow individual user to be identified and their data to be protected | <ul style="list-style-type: none">log in and log outpassword changingforget password feature | <ul style="list-style-type: none">Users should be able to log in to the website to see their home pagesWhen they are logged in, they should be able to change their passwordIn case they forget their password, they would be able to reset their password |
| Personal profile | The user can change his screen name or other preference in his profile | NA | <ul style="list-style-type: none">The user can change his screen name from “Andy” to “James” |
| Music | Add music to the user’s default playlist and manage that music. | NA | <ul style="list-style-type: none">Andy uploads a music called “Lover” in the homepage, that automatically go to the default playlist.Andy add a music by typing in the music’s title, album and so on.Andy can later change that music’s information like title, album and so on. |
| Playlist | Playlist creation and management | <ul style="list-style-type: none">create and delete of playlist add and remove music from playlistrename the playlist | <ul style="list-style-type: none">Andrew creates a playlist called “My favorite”He then goes through his music library to find the music he wants and add those to “My favorite”Later, he feels that “My favorite” is too broad to describe the music inside the playlist, so he changes the name of it to “Pop”. |
| Music Library(share) (include additional features) | A user can browser all musics uploaded by all users. | <ul style="list-style-type: none">search specific musicAdd that music to personal musics | <ul style="list-style-type: none">Alice wants to search for a song called “Throne”, so she type its name in the search bar and get that songSince there are too many songs in the library, she just want to look through the “Pop” genre. As a result, she use the filtering to filter all the songs with the tag “Pop”Alice add a music to her own default playlist |
| Playlist Library(share) (include additional features) | A user can browser all playlists created by all users. | <ul style="list-style-type: none">search specific playlistAdd that music to personal playlists | <ul style="list-style-type: none">Alice can browse all playlists created and shared by other usersAlice can search a specific playlist with keywordsAlice can add a playlist to her own |