Software Engineering Lab Project
Tasks Done

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1 User Classes

As specified in the SRS document the software implemented has the following three user classes.

1. Music Listeners - The user has the option to search available songs, review them and add them to their playlists.

2. Music Providers: The Music providers have their own interface whereby they are able to view all the songs they have added and the total number of listeners.

3. An admin who addresses the complaints and maintains databases: The admin also has a seperate interface whereby he/she is able to view the entire database and all the issues filed and also add new tracks and latest playlists.

2 System Features Implemented

2.1 Account Creation

1. User and Music Provider have been provided separate interfaces to register and login.

2. Admin user cannot be created via the online interface. Only an existing admin can make existing users admins by modifying their account type directly in the database. This has been done to enhance the overall security of the system.

3. For enhancing the security of the application and all the user classes, **no raw passwords are stored directly in the database**. Rather all the passwords are encrypted using openBSD's Blowfish password hashing code, thereby preventing any password theft,whatsoever.

2.2   Songs - Searching , Playlists and Music Queues

1. Every song added in the database can be searched via the homepage or via the admin panel interface. Further, the music providers will be able to view all their added music and the ratings.

2. Initially each song is added with 0 rating. As users rate the songs (on a scale of 0 - 5) this count changes, precisely, by the mean of all the ratings added so far.

3. Users are able to create their own playlists and have the option to share them with other users or keep them private. They can also view playlists added by other users (music providers and admins included).

4. Every user has his/her own music queue to which they can added songs and delete songs and shuffle ,repeat options are also present.

3   Admin Panel

The admin panel allows the admin to access all the data in the database and also review all the complaints filed.

4   Music Provider Interface

The Music Provider as stated earlier will add new playlists and tracks into the database. Only they have access to the Music Provider Interface by which they can also change this data.