**PROBLEM STATEMENT**

Making a digital distribution platform for distributing Music of artists.

Distribution platform which has features like: Distribution of music in multiple streaming platforms like spotify, deezer, and all

**OBJECTIVE OF THE PROJECT**

To design and implement a digital distribution platform that enables independent artists to distribute their digital content (primarily music) across major streaming platforms like Spotify, Deezer, and others. Also can submit to raidos for plays. The system also manages legal aspects such as copyright claims and licenses. It will provide various subscription plans, including a free tier, to support artists at different levels, with customizable access to features.

**FUNCTIONAL** **REQUIREMENTS**

**User Management:**

* Users should be able to sign up and create an account.
* Users should be able to log in/log out.
* Users should be able to update their profile details.
* Users can reset their passwords.

**Subscription Management:**

* Users should be able to view available subscription plans.
* Users can choose and subscribe to a plan (including a free plan).
* The system must enforce limits based on selected plans:
* Number of uploads per month.
* Available streaming platforms for distribution.
* Allowed audio quality.

**Track Upload and Distribution:**

* Users can upload music tracks with metadata (title, artist name, genre, etc.).
* The system should allow users to select which streaming platforms to distribute to (based on plan).
* The platform should initiate distribution to selected streaming services via APIs.

**Copyright and Licensing:**

* The platform should handle copyright registration for uploaded tracks.
* The system should generate and store digital licenses for each uploaded asset.
* The system should notify users about copyright issues or claims.

**Dashboard and Analytics:**

* Users can view their track distribution status.
* Users can view basic performance analytics (plays, downloads, etc.).

**Admin Panel:**

* Admin can manage users and their subscriptions.
* Admin can manage streaming platform integrations.
* Admin can monitor copyright and legal issues.

**NON-FUNCTIONAL REQUIREMENT**

**Usability:**

* The user interface should be intuitive and easy to navigate for users of all skill levels.

**Scalability:**

* ­The platform should be able to handle the increasing number of user in upcoming days when the app will get big.

**Security:**

* The data, music and all legal files of each user should be secure.

**Integration:**

* The app should work with all API’s of different streaming platforms like soptify, deezer, etc.

**Performance:**

* Uploads and distribution tasks should complete within a reasonable time frame (e.g., within 2–5 minutes depending on track size).

**Compatibility:**

* The web platform should be compatible with all major browsers and responsive across devices (desktop, tablet, mobile).