Make an internet radio app.
Users can create their own radio (Mount Points) for other people to listen to their playlist streaming publicly.
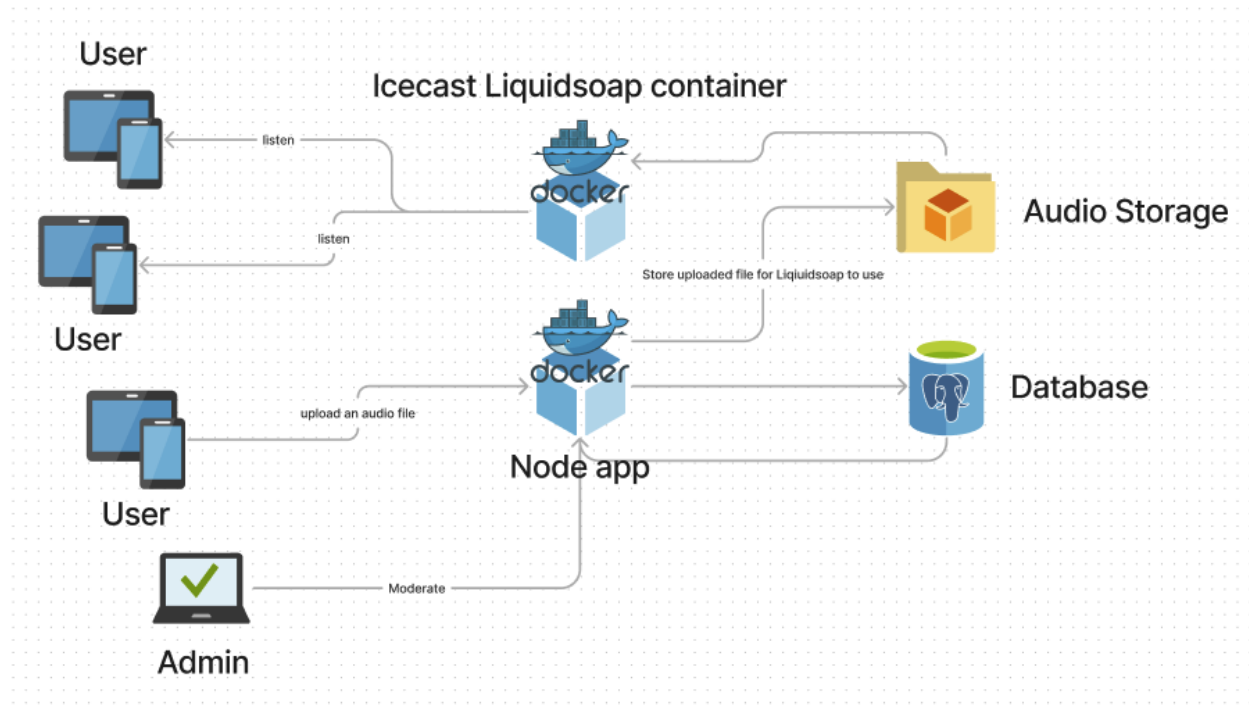**Roles**: User, Admin

User requirements

- **Register**: Users can create an account by providing their personal information such as full name, email address, date of birth, and password.
- **Login**: Users can log in to their account using their email address and password.
- **Edit User Info**: Users can edit their personal information such as name and date of birth.
- **Upload Audio Files**: Users can upload audio files to their account, which will be added to their playlist.
- **Delete a File**: Users can delete audio files from their playlist. This action is only available to the owner of the file.
- **Listen to Audio Streams**: Users can listen to audio streams of uploaded files in their radio.
- **Browse Other People's Radios**: Users can browse other users' radio stations and listen to their playlists.

Admin requirements

- **Web Panel:** Admin moderation actions can only happen in the admin web panel.
- **All User Abilities**: Admins have all the abilities of regular users, including registering, logging in, editing user info, uploading and deleting audio files, listening to audio streams, and browsing other users' radios.
- **Delete Any User's Files**: Admins can delete any user's audio files from their playlist for moderation purposes.
- **Lock a User Out**: Admins can lock a user out of their account for a specific period of time or permanently. This action can be taken for moderation purposes.
- **Provide a Reason Message**: When locking a user out of their account, admins can provide a reason message that will be shown to the user upon login.

Backend tools : **node js, express, PGsql, docker, icecast, liquidsoap**
Frontend tools: **flutter, flutter web**

Useful docs:
https://icecast.org/docs
https://www.liquidsoap.info/doc-2.2.0/cookbook.html