



AudioWave

User guide

Submitted in partial fulfillment for the degree of

Bachelor of Science

in

Software Engineering

for

The Software Engineering Department

at

Braude - College of Engineering, Karmiel

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Project code

24-1-D-44

Summer 2024

User Guide: AudioWave Platform

The AudioWave platform is designed for both content creators (users who upload audio) and content consumers (users who listen to audio). This guide provides instructions for the nominal process of using the system, from registering an account to uploading and playing audio content.

1. System Overview

The AudioWave platform allows users to:

- Register and log in.
- Upload audio files with detailed metadata.
- Create and manage playlists.
- Search for and listen to audio content.

The platform is available via both a mobile application (built with Flutter) and a web application (built with React.js).

2. User Registration and Login

- **Register:**
 - Open the application.
 - Click on the tab "Sign in"..
 - Fill the information: email, password, and username.
 - You can now move on to log in using your username..

3. Login:

- Open the application.
- tab on the "Login" button.
- Enter your email and password.
- You will be redirected to the home page, where you can explore and upload audios.

4. Uploading Audio Content

- **Upload New Audio:**
 - After logging in click on upload button bar.
 - Choose an audio to upload.
 - Fill in the requiremint metadata:
 - **Title:** enter the title of the audio file.
 - **Description:** add a description about the audio file.
 - **Tags:** Add relevant tags to so users can find the audio.

- **Visibility Settings:** choose if the audio should be public or private or unlisted.
 - Click upload to submit your audio file. The system will begin chunking the audio and get it for playback.
- **Resume Upload** (if interrupted):
 - If the upload was interrupted, the system will prompt you to resume the upload from where it left off.
 - Click Resume Upload, and the file will continue to upload from where was interrupted

5. Managing Playlists

- **Create a Playlist:**
 - move to the My Playlists section from your profile.
 - click on “Create New Playlist.”
 - Name your playlist and add description.
 - You can add audio content to the playlist by clicking at the “Add to Playlist” button under any audio file.
- **Edit a Playlist:**
 - Open the playlist you want to edit it
 - tab at the “Edit” button.
 - You can change the title, description, remove from the playlist.

6. Playing Audio Content

- **Listening to Audio:**
 - To listen to an audio file, move to the search bar or select an audio from the home-page.
 - Click the” Play “button to start.
 - Use the audio bard do you can:
 - Play/pause the audio.
 - Skip//forward//backward in the time.
 - Adjust the volume.
- **Playlist Playback:**
 - If listening to a playlist the system will automatically queue the next audio after the current one finishes.
 - You can mix or repeat audio tracks within a playlist.

7. Search Functionality

- **Search for Audio Content:**
 - Use the search bar at the top of the homepage.
 - Enter a keyword to find relevant audio files.
 - The system will display the most relevant results in an easy-to-navigate list.
 - Click on any result to view the details or begin playing the audio

8. Account Management

- **Update Account Information:**
 - Navigate to your profile page by clicking on your profile icon.
 - Click the “Edit Profile” button.
 - Here, you can update your username // email//password.
- **Logout:**
 - Navigate to the settings menu by clicking on your profile.
 - Click” Logout” to safely log out of your account.

Additional Features

- **History:**
 1. The system keeps track of all audio you have listened to.
 2. move to the History tab to view your recently played audio files.
- **Download Audio:**
 1. Users can download audio files for offline listening by clicking the “Download “ button available next to each audio file.
- **Likes and Follows:**
 1. You can “like “ an audio file, which will save it to your “ Liked Audios” list.
 2. You can” follow” content creators to receive updates on new uploads from them.

Reference:

1. **Flutter Documentation:**
The Flutter team. (n.d.). *Flutter Documentation*. Retrieved from <https://flutter.dev/docs>
2. **Android Studio Documentation:**
Google. (n.d.). *Android Studio User Guide*. Retrieved from <https://developer.android.com/studio>