**INTEGRATED PROJECT DETAILS**

Batch: 2021

(Section: A1)

Team Members:

1. Madhav Goyal (2011981262)
2. Akhilesh Thakur (2111981020)
3. Akshita (2111981026)
4. Anjori (2111981033)

Project Title:

*Re&ound*

*- An Interactive Music Sharing and Streaming Platform*

Project Abstract:

* The website Re&ound is a music streaming platform on which users can stream and share music and interact with other users.
* The website has two different pages for its main window, Home and Explore, both of which can be accessed through the Navbar on the left.
* The Home page is the first page the user lands on upon opening the website and shows the user's recently played music, recommended music and playlists, and some generally popular playlists that the user might like. The Explore page has various playlists based on moods, genres, singers and popularity, and new music for the user to explore.
* The user can search for music using the Search Bar at the top and upload music using the Upload button beside the Search Bar. There will also be a Messages button to allow the user to send and receive messages and a Profile icon on the top right to update user information and change basic settings.
* The Music Player lies at the bottom with all the buttons a supple music player has, like Play/Pause, Seek bar, Like, Loop, Shuffle, Queue, Volume, Lyrics, and Player Extend/Shrink, along with a Music Cover Photo.
* The left side has a quick access Navbar with links to the Home and Explore page, along with a Library section with links to playlists the user has saved and a History page that shows songs the user has recently played.
* Users can securely Log In and Log Out using the Profile icon in the top right to access their music anywhere, anytime, and on any device with access to the internet.

Details of Modules:

Module 1: Full Front-End Development

* The front-end interface of our project includes the entire interface that the user interacts with. All the basic features of the website would work, including the ability to navigate the website and play music.
* HTML, CSS, and JavaScript are used in this module.

Module 2: Back-End Integration

* Several features requiring back-end support, for example, liking, saving music to playlists, and messaging will be integrated with this module.

Module 3: Web Hosting

* The website will be hosted on the internet with a custom domain name so it can be accessed from any device at any time with just an internet connection.

Software and Hardware Requirements:

* + Any modern web browser - Google Chrome, Microsoft Edge, Apple Safari, Mozilla Firefox, etc
  + 1 MBps internet connection

References:

* + https://www.w3schools.com/
  + https://www.geeksforgeeks.org/
  + https://developer.mozilla.org/