

# Incognito

## Project Description

Incognito is a digital music streaming service that gives you access to a vast variety of songs and content from around the world. It allows you to listen to any content of your choice at any time. The best part? It's free! Once you sign up, Incognito lets users search and add songs to their playlist. Instead of having to look up lyrics on the internet, the streaming service has built-in lyrics. Users have control over their playlist and can edit their playlist by adding things like a title, title cover, a description and so on. In the case of no internet connection, users can download music and listen to songs offline. Moreover, Incognito has built-in music recognition software. Users can use Incognito to try to identify a song that is playing. After a certain time period, Incognito provides their listeners a look into how their musical taste has changed.

## Group Members

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## Course Technologies

- React
  - React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. We are going to use React to design UI in our music streaming project
- Firebase
  - Firebase is a set of hosting services for any type of application. It offers NoSQL and real-time hosting of databases, content, social authentication, and notifications, or services, such as a real-time communication server. We are using Firebase authentication service to provide multiple user authentication options in our project.
- Redis
  - Redis is an in-memory data structure store, used as a distributed, in-memory key-value database, cache and message broker, with optional durability. Redis supports different kinds of abstract data structures, such as strings, lists, maps, sets, sorted sets, HyperLogLogs, bitmaps, streams, and spatial indices. We will be using Redis to cache our data.

## Independent Technologies

- ImageMagick
  - ImageMagick is an extremely versatile open-source software enabling programmatic manipulation of digital images in any format in nearly every way imaginable. There is an npm package providing functions to interface with the software, which we will utilize in our application to dynamically create playlist covers and modify album art.
- Heroku
  - Heroku is a cloud platform as a service supporting several programming languages. We are using Heroku to host our react app.

### GitHub Repository Link

<https://github.com/keyursenjaliya/Music-Streaming-Application>