

Intern Assignments

1) Data Modeling skill

Mini YouTube: Imagine you are designing a mini-version of YouTube app. Assume you are going to use MySQL as the backend storage. Design a simple database schema for storing videos, its metadata, play lists, comments, ratings, etc. Express your design as a set of CREATE commands written in SQL. Add very brief comments to explain your design.

2) Product Development skill

Requirement

- Web App Development
- Frontend stack options: Choose between ReactJS or AngularJS
- Backend stack options: Java spring boot or NodeJS or RoR
- Submit the source code on github or bitbucket or any other SCM
- Bonus points for hosting on any cloud platform such as AWS, GCP or Heroku

Statement

Create, Curate, and Share playlists from across the web!

Features

- A user should be able to at-least do the following (mandatory features - front-end and back-end)
 - Login with Facebook
 - Create a Playlist
 - Browse through all playlists created by you or shared with you
 - Be able to edit playlists created by you
 - Playlists have a name, and a collection of tags - both are editable
 - Add a song to a playlist (validation is mandatory here!). Supported sources might include:
 - [YouTube.com](https://www.youtube.com)
 - [Gaana.com](https://gaana.com)
 - [SoundCloud.com](https://www.soundcloud.com)
 - Remove a song from a playlist
 - Share playlists with your friends
 - Play a song/playlist!

Bonus features

- Achieving the following will get you brownie points
 - A well designed (and, possibly, responsive) front-end
 - Basic search capabilities (either on the front-end, or the back-end)
 - The ability to figure out song metadata (run time, artist, album etc) and store/display that information on the frontend
 - The ability to shuffle songs during playback
 - The ability to re-order the songs in a playlist
 - The ability to log in via multiple social accounts
 - The more sources you support, the better your chances!

