Make a Spotify Clone – Requirements Document & Outline

# Description

# Requirements

## Login, Register & Profile Requirements

1. The User shall be able to Register a new User Account
   1. Type 1 - Username/password registration
      1. The user shall provide a unique username
         1. Must be x characters long
         2. May consist of the following a-z, A-Z, 0-9, special characters !@#$%\_^&\*()\_
         3. Must start with a letter
      2. The user shall provide a Strong password
         1. Min length of 8 characters
         2. Max length of 30 char
         3. Must contain upper- and lower-case letters
         4. Must contain 2 or more symbols \*()!@#
   2. Type 2 - Social media Registration
   3. Common Requirements for all registration types
      1. Any other required fields …
      2. Add any multifactor login capabilities/requirements
      3. Any email verification requirements
2. A User shall be able to Login to an existing Users Account.
   1. Multifactor …
   2. What to do is wrong username/password attempts
3. In creation, User must create unique username and password with
4. Modify Profile details for User Accounts

## Landing Page

1. The User shall be able to see the home page
   1. There will be a fixed navigation bar that will scroll up and down with user scroll.
   2. Navigation Bar – left will be the logo with blank anchor tag
   3. Navigation Bar – Right has links to **Premium Support Download | Sign Up Login**
   4. Hover text to green when over the Navigation Bar – Right
2. Center page
   1. Display message
   2. Call to Action button: *Get Spotify Free*
3. Footer with various links
   1. Hover text to green when over the links

1. Music Catalog

Adding music catalog throughout all of Spotify

1. Player Library
2. Playlists, Artists, Podcasts, Albums, Liked Songs

MERN Stack Project

**Backend** can be implemented as:

1. Express/Mongoose (ORM for MongoDB) in Node.JS

**Frontend** can be:

1. React

Design Patterns???

Book: Design Patterns