tempName7 - Kelly Wang, Charles Weng, Jen Yu, Jennifer Zhang 2018-05-15
Softdev Pd. 7

csDojo Song Requests - tempname7

Functionality

- Search functionality
    - Search for songs and different moods
    - Search for songs played on a specific day (history searching)
- Forms and Queues
    - Playlists made based on submitted songs
    - Forms for user submission of requests
- User accounts
    - Authentication of username/password
    - Sensei, teachers, etc are administrators
        - Different levels (Teachers > Sensei, etc)
        - Can bring someone up to your level of power (no admin sign-up)
    - Requires a database of song requests
    - Can pull up a playlist, control song selection (admins)
- Rating System
    - Rating from CS community on songs played a certain day
    - Receive feedback on popularity of songs/playlists
        - Like/Dislike sort of system
    - Users can flag inappropriate songs
        - Admins review songs and can permanently set it as appropriate

Team Roles

1. Jen (PM)
    a. Management of deadlines/deliverables
    b. Web server setup
    c. Summary Document
2. Charles
    a. Database of playlists/songs
        i. Query string building
    b. User dashboard (starred playlists, etc.)
3. Kelly
    a. Bootstrap front end (fix up of templates)
        i. Already have front-end files from prev assignments
        ii. Job to toggle front-end according to needs of project
    b. Authentication of user
4. Jennifer Z.

a. Search bar
    i. Wrapper for Spotify API search
    ii. Display of results from search
    iii. Another search for past playlists/songs
b. Database Schema for user accounts

Database Schema

Accounts:

username	pass	power[1]	playlists
TEXT PRIMARY KEY	TEXT (hashed)	INTEGER	LONGTEXT
`test_user`	`<some-hashed-pwd>`	`0`	`{{"despacito", "Yatta"},{"You Say Run"}}`

History:

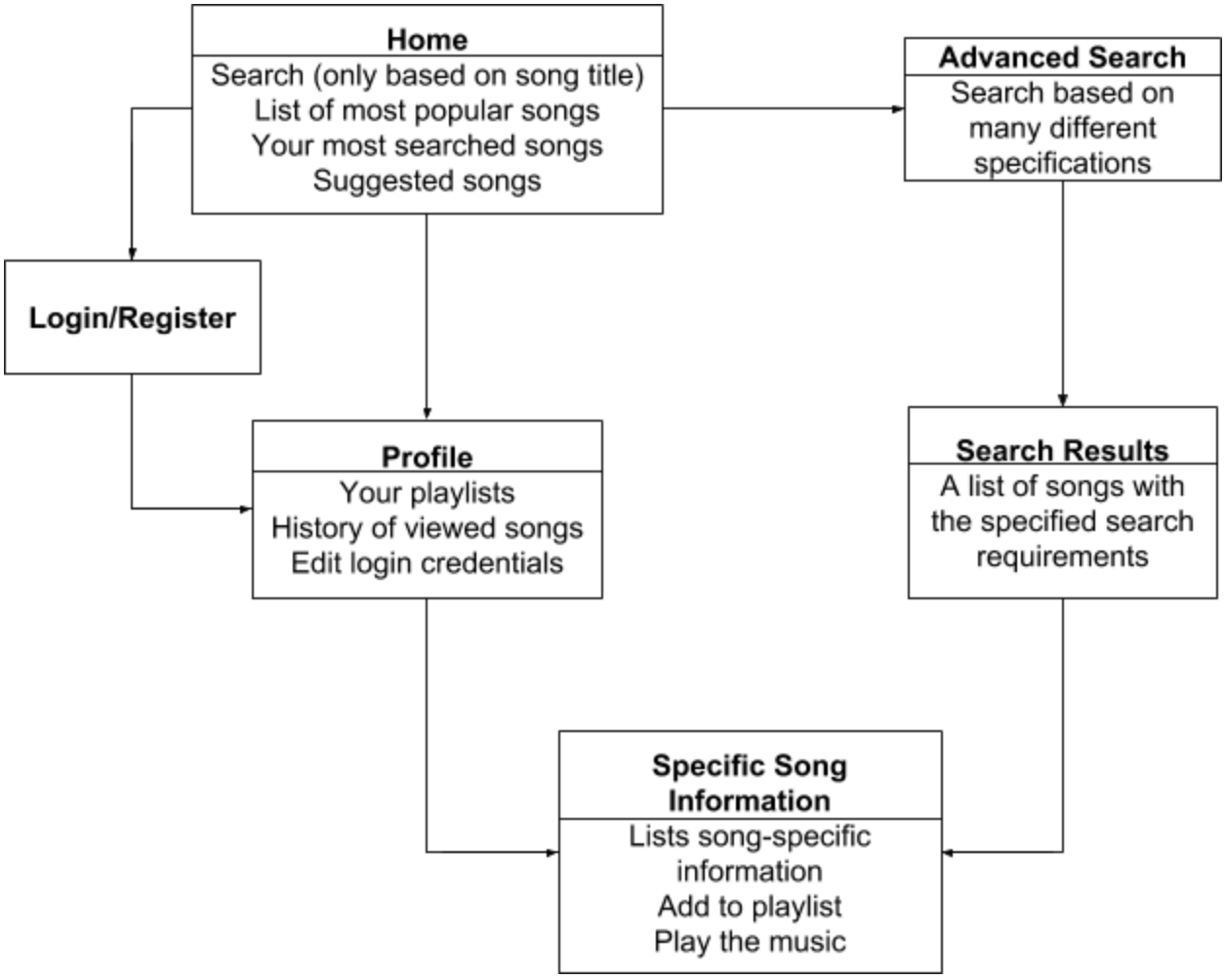
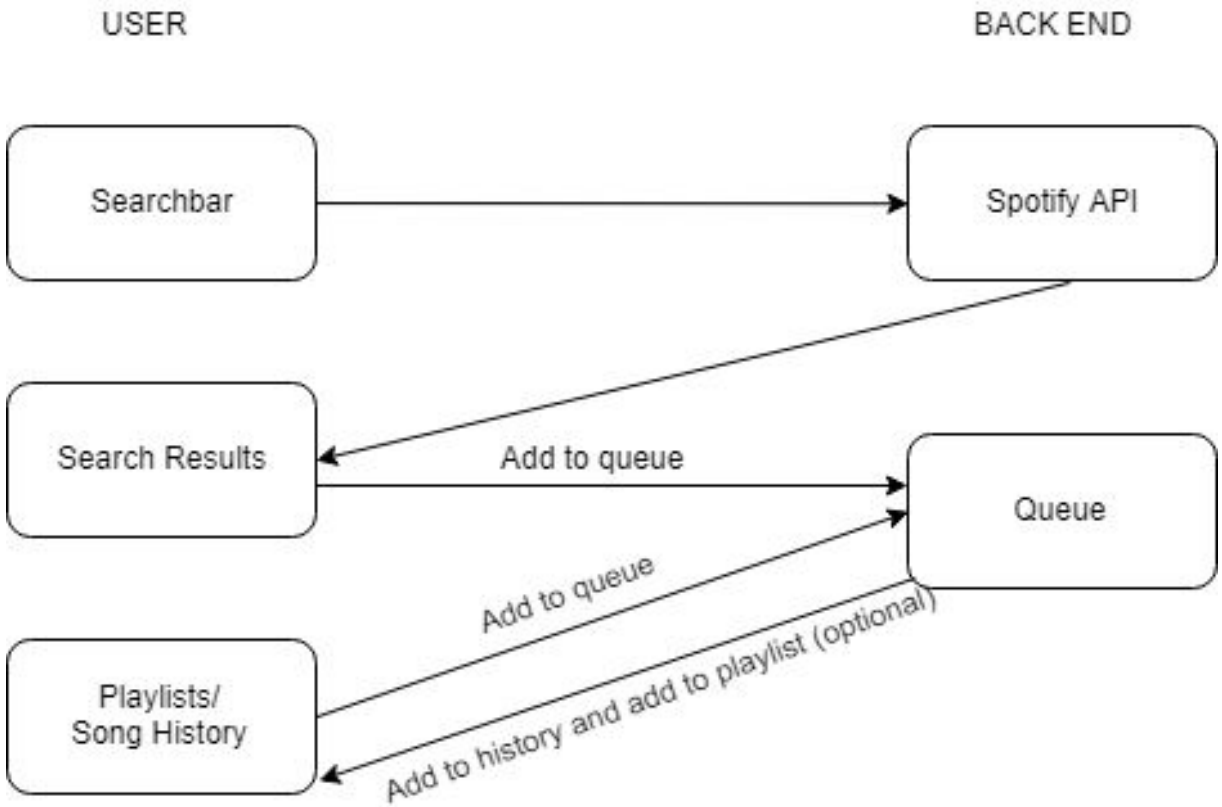
Time	Song	Like	Dislike	Flag[2]
BIGINT(UNSIGNED) PRIMARY KEY	TEXT	INTEGER	INTEGER	INTEGER
`<time() return value>`	`"La-La-Land"`	`1231234`	`0`	`2`

Playlists (public; separate from account playlists):

playlist	user	like	dislike
LONGTEXT PRIMARY KEY	TEXT	INTEGER	INTEGER
`{"despacito", "Yatta"}`	xXoriginalCreatorXx	123	4

[1] 0 - basic user; 1 - senpai; 2 - sensei; 3 - teacher; 4 - super admin (not final)
[2] 0 - normal song; 1 - flagged inappropriate; 2 - safe (cannot be flagged); 3 - banned (stored, but doesn't show up anymore)

Site Map


Home
Search (only based on song title)
List of most popular songs
Your most searched songs
Suggested songs
Advanced Search
Search based on many different specifications
Login/Register
Profile
Your playlists
History of viewed songs
Edit login credentials
Search Results
A list of songs with the specified search requirements
Specific Song Information
Lists song-specific information
Add to playlist
Play the music

Component Map