

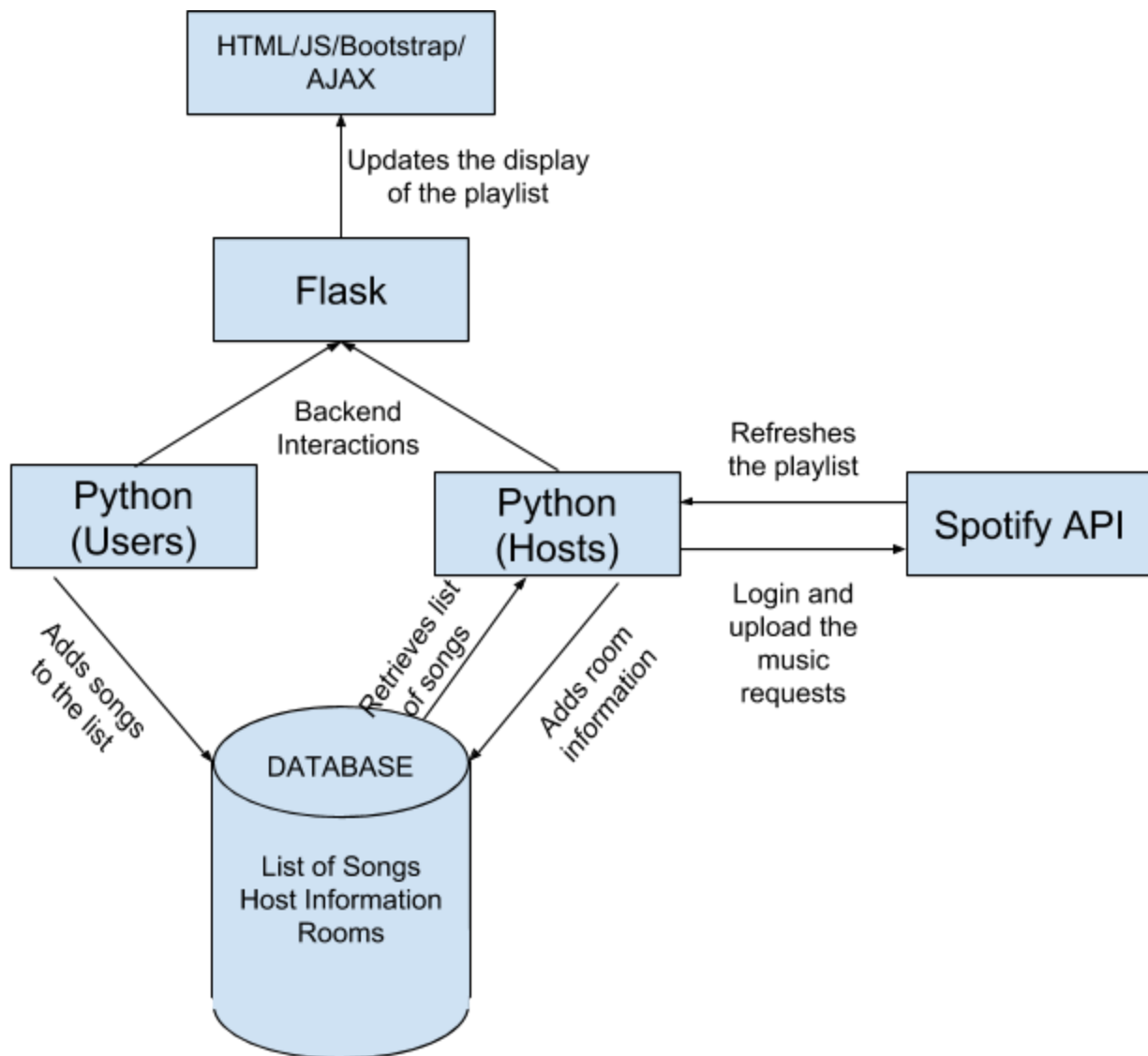
# Jimmy Jams Design Document

By xx4: Shannon Lau (PM), Tiffany Moi, Joyce Wu, and Helen Ye

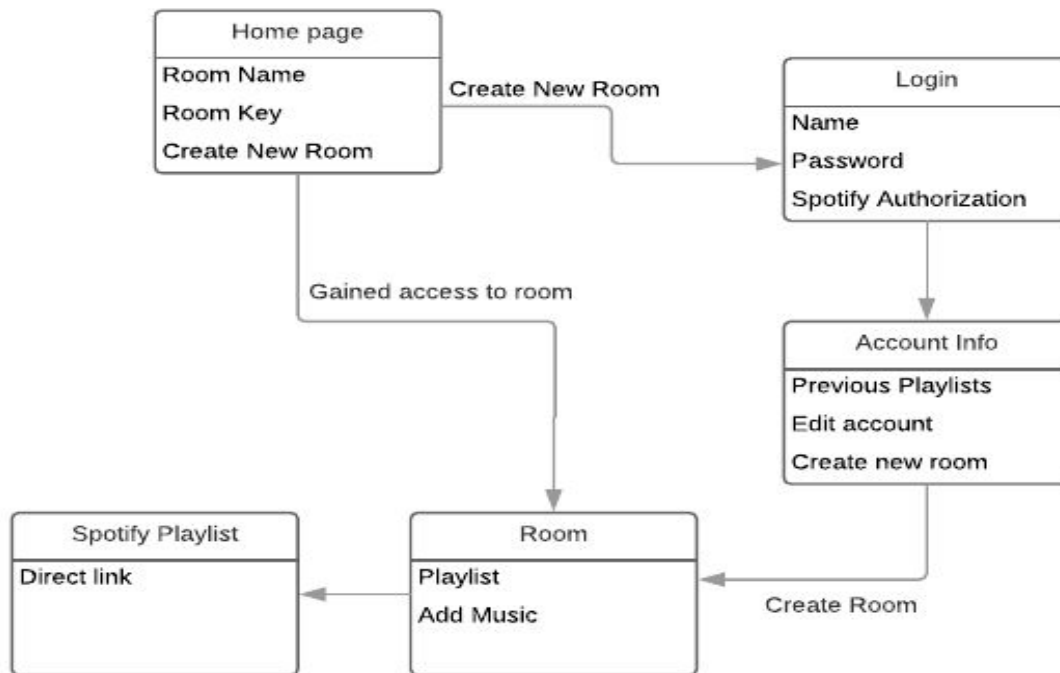
## I. Summary

*Jimmy Jams* is a web application that allows people to request music in real time. Hosts of a party can create a “music room” with a corresponding name and key. After inputting the music room credentials, a user can enter the room and input a song, which is added to the playlist queue via the Spotify API. The host of the room will receive a hyperlink to the Spotify playlist, playable from any device.

## II. Components



### III. Sitemap



### IV. Database Schema (MongoDB)

Collection: hosts

Standard Fields:

username | fname | lname | hashed\_password | spotify\_key

Example document:

```
{
  "username": "slau",
  "fname": "shannon",
  "lname": "lau",
  "hashed_password": "some_hashed_password",
  "spotify_key": "real_spotify_key"
}
```

Collection: rooms

Standard Fields:

name | key | host\_username | song\_list

Example document:

```
{
  "name": "softdev7",
  "key": "koolkidz",
  "host_username": "tbm",
  "song_list": ["song1 by artist1", "song2 - artist1",
"song3 artist2"]
}
```

## V. Roles

- Shannon
  - Project Manager
  - Front-end: create simplistic + intuitive web page with Bootstrap
    - Options for both hosts and contributors
- Tiffany
  - Database interaction, set up MongoDB connection
  - Create accessor and mutator functions for data
- Joyce
  - Spotify API Interaction: Make playlist modification requests
- Helen
  - Spotify API interaction: Authorize users, allowing modification of playlists from our app on their behalf