

## Project Features

1. User account - [spotify login portal](#)
  - a. Functional: Software should be able to connect user accounts on spotify with ease.
  - b. Non-functional: The software should be secure and protected from unauthorized access. (Security)
2. Playlists - users will be able to create, delete, merging playlists
  - a. Functional: The user grants us an auth token that lets us view their top artists
  - b. Non-functional: The user should be able to easily merge playlists with other users without problems (Low perceived workload & Availability)
3. Sort/re-order playlist by different metrics like key or valence
  - a. Functional: User selects options based on how they would like their playlist sorted (Transparency)
  - b. Non-functional: It should be easy for the user to see what actions are performed
4. Search - look for songs by entering the name or use voice assist to listen part of the song.
  - a. Functional: It needs to recommend or show related songs that the user is trying to find. It helps the user quickly find what they are looking for and the voice assistant can trace a full song using part of a song's melody. It should also allow users to record their search history.
  - b. Non-Functional: Search should be quick and responsive to the user's interactions with it. (Performance & Efficiency of use)
5. Analytics - graphs of listening habits, information about the users favorite artists
  - a. Functional: The software should be able to take information from the user and portray this information through graphs
  - b. Non-function: users should be able to quickly and easily view their listening habits represented in a user-friendly fashion
6. Commenting - allow users to comment on each other's playlists/songs
  - a. Functional: Comment will be under the songs and would only show when users click on the drop bar to read comments.
  - b. Non-functional: Commenting should be intuitive and simple for the user to understand the interface buttons, textbox, etc. (Usability)

## Project Plan

We will be using the website <https://kanbanflow.com/> as our project management tool.

<https://kanbanflow.com/board/2ohA11>

# Project Plan

## To-do (12 tasks)

### User Account

Blue

spotify login portal

Functional: Software should be able to connect user accounts on spotify with ease.

Non-functional: The software should be secure and protected from unauthorized access. (Security)

Time estimate: oh

Time spent: oh

#### Members

JK Jack Kelly

Labels: Features

Due on *21 February 2020 11:59 PM* for target *Done*

- ☐ design
- ☐ coded
- ☐ tested

### Playlists

Green

user to be able to create delete, & merge playlists

Time estimate: oh

Time spent: oh

#### Members

DS Drishan Sarkar

Due on *24 February 2020 5:00 PM* for target *In progress*

- ☐ design
- ☐ coded
- ☐ tested

## Sort/re-order playlists by metrics

Yellow

User selects options based on how they would like their playlist sorted

Time estimate: 0h

Time spent: 0h

Members



Amey Erdenebileg



Vananh Le

☐

design

☐

coded

☐

tested

## Search

Red

Description- look for songs by entering the name or use voice assist to listen part of the song.

Functional: It needs to recommend or show related songs that the user is trying to find. It helps the user quickly find what they are looking for and the voice assistant can trace a full song using part of a song's melody. It should also allow users to record their search history.

Non-Functional: Search should be quick and responsive to the user's interactions with it. (Performance & Efficiency of use)

Time estimate: 10h

Time spent: 0h

Members



Yosan Russom

Due on 26 February 2020 5:00 PM for target Done

☐

design

☐

coded

☐

tested

## Analytics

Orange

provide the users with graphs and other pertaining information about their listening habits

Time estimate: oh

Time spent: oh

## Members

 Jack Kelly

Labels: Features

Due on *28 February 2020 5:00 PM* for target *Done*

- ☐ design
- ☐ coded
- ☐ tested

## Commenting

Purple

Allow users to comment on each other's playlists/songs

Time estimate: oh

Time spent: oh

## Members

 Amey Erdenbileg  Vananh Le

Labels: Features

- ☐ design
- ☐ coded
- ☐ tested

## Milestone 3

Cyan

Time estimate: oh

Time spent: oh

Due on *30 March 2020 11:59 PM* for target *In progress*

## Milestone 4

Cyan

Time estimate: oh

Time spent: oh

Due on 16 March 2020 11:59 PM for target *In progress*

## Milestone 5

Cyan

Time estimate: oh

Time spent: oh

Due on 6 April 2020 11:59 PM for target *In progress*

## Milestone 6

Cyan

Time estimate: oh

Time spent: oh

Due on 27 April 2020 11:59 PM for target *Done*

## Milestone 7

Cyan

Time estimate: oh

Time spent: oh

Due on 4 May 2020 11:59 PM for target *In progress*

## Milestone 8

Cyan

Time estimate: oh

Time spent: oh

Due on 4 May 2020 12:59 PM for target *Done*

Do today (1 task)

## Milestone 2

Cyan

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Add in major features of your software application

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Time estimate: oh

Time spent: oh

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~~Due on 15 February 2020 5:00 PM for target Do today~~ (Was done by Vananh Le at 13 February 2020 2:27 PM)

## In progress (0 tasks)

## Done (1 task)

## Milestone 1

Cyan

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Time estimate: oh

Time spent: oh

Grouping date: 10 February