VERN

Sprint Plan for Week 1,2,3

Team #21: Matthew Witherow, Kaung Myat Zaw, Ethan Clark, Carson Rupp, Rohan Shankar

Sprint Overview

In this sprint, we will focus on making requests to the Spotify API using the Spotify-Web-API-Node and implementing our JavaScript backend requests with the React Native frontend. We hope to be able to streamline the user authentication process so we can link their Spotify account to their Vern account and create requests without the user authenticating each time. For the front end, we'd like to get the login and registration screens setup finished so that users can create and access their individual accounts and view their profile page.

Scrum Master: Matthew Witherow
Meeting Plan: MW 10:00pm

Risks and Challenges

We may face some challenges pertaining to setting up database/hosting services, as well as drawing an effective connection between them and our code. Storing the user's secret key securely on our server to prevent asking for authentication every time will also be a complication

Highlighting: Not Started   <mark style="background-color: yellow">In Progress</mark>   <mark style="background-color: lime">Completed</mark>   <mark style="background-color: orange">Delayed</mark>

Tasks

Team A - Kyle and Rohan (Front-End)
Team B - Ethan, Carson and Matthew (Back-End)

User Story #19 - Team B

As a user, I would like to link my Spotify account to the app.
- 20 HRS entire Team B- Access SpotifyAPI to execute various calls: login, access top tracks, create a playlist, get top genres, etc.
- 10 HRS entire Team B- Test and make sure API calls are secure and allow us to actually retrieve information or not when there is no information to be grabbed. ***10 hours for Matthew, Carson and Ethan each***

Acceptance Criteria:
- Given that our API call is implemented correctly, when we request a login key spotify will reply with the key for us to access this information
- Given that our API call has a correct login key, when we request music playlist information we will then be able to receive that information for that account.
- Given that our API call goes through, when we receive that information return/store that information to our user/database

User Story #1 - Team A & B

As a user, I would like to be able to sign up for a Vern account.
- 5 HRS Kaung Myat Zaw - Set up login screen
- 5 HRS Rohan Shankar - Set up register screen
- 7 HRS Matthew Witherow - Generate User, Group, Club and Event structures in Javascript
- 5 HRS Carson 5 HRS Ethan - Parse and test the information that will be inputted by users

Acceptance Criteria:
- Given a User when signing up for our app, parse and fill out the necessary User information.
- Given a User already signed up, when they would like to create a group

- Given that a group has been created, when they would like to set the group to private, allow the user to send an invite to join the private group.

User Story #2 - Team A & B

As a user, I would like to be able to edit my profile to set or change my profile picture.
- TEAM A:
    - 5 HRS Rohan Shankar - Create UI page for Profiles, including default account details as well as top tracks.
    - 2 HRS Rohan Shankar- Create UI page for editing user information.
    - 3 HRS Rohan Shankar - Connect UI and data fetched from database.
- TEAM B:
    - 10 HRS Matthew and Ethan - Server request User information from MongoDB database
    - 5 HRS Carson - Design server solution to edit Vern user information from MongoDB database
    - 2 HRS Matthew 2 HRS Carson- Test user information is being inputted in database correctly

Acceptance Criteria:
- Given that the profiles are implemented correctly, users should be able to create and modify personal accounts (bios, profile pictures, personal info, etc.)
- Information is retrieved from the server accurately and fast.
- Users should be able to use our front-end client to perform the above functions smoothly and swiftly. The user interface should be easy-to-use and intuitive.

User Story #9 - Team A & B

As a user, I would like to be able to create a social group.
- TEAM A:
  - 10 HRS Kaung Myat Zaw - Create a UI panel for social groups
- TEAM B:
  - 2 HRS Matthew Witherow- Be able to set a password for a social group, only users with that password can join the group.
  - ~8 HRS Carson and ~8 HRS Ethan - Add social group data struct to database
  - 2 HRS Matthew Witherow- Testing database accuracy and flow

Acceptance Criteria:
- The front-end client will allow the user to see a list of groups he's a part of and search for other groups. The user interface for this should be easy-to-use and intuitive.
- Given that our client, database, and server are set up correctly, when the user creates a social group, the social group data will be sent to the database.
- Given that the social group is created properly, when the user explores social groups or searches for them, this social group will show up on the user's page.

User Story #10 - Team A & B

As a user, I would like to be able to join an existing social group.
- TEAM A:
  - 10 HRS Kaung Myat Zaw - Create UI for social group page
- TEAM B:
  - 2 HRS Matthew Witherow - Set up password system for social group in database
  - 3 HRS Carson Rupp- Add User to social group's user list
  - 3 HRS Ethan Clay- Add social group to user's social group list
  - 2 HRS Ethan Clay- Testing database accuracy and flow

Acceptance Criteria:
- Given that our client, database, and server are set up correctly, when the user joins a social group, the server will update the user's information to include the social group in question.

- Given that our client, database, and server are set up correctly, when the user joins a social group, the server will update the social group's information to include the new user.
- Given that the social group is public or the user has the required password to join, when the user presses the join button, they will now have access to the social group's data.

User Story #49 - Team A

As a user, I would like to be able to view my top tracks (long, medium, short term) on my profile page.
- <u>10 Hrs Kaung Myat Zaw</u> - Create a landing page for all relevant information that the user will first see when first starting up the app.
- <u>5 Hrs Kaung Myat Zaw</u> - Link all components of the user interface with React Navigation.
- <u>10 Hrs Rohan Shankar</u> - Create a UI panel on the user profile page to display the names of their top 5 tracks.
- <u>5 Hrs Rohan Shankar</u> - Create an algorithm to request the user's top tracks for the respective term and store that in the user object.

Acceptance Criteria:
- Given that the user has linked their account with their Spotify account, when the user views their page, they can see their top tracks in the UI panel.
- Given that the UI has been implemented correctly, when I select which length of time I want to display, the tracks will change accordingly.
- Given that the algorithm has been implemented correctly, the user will be able to view their top tracks whenever and be able to update it.

Main Sprint Goal:
We will start organizing all the different aspects of our application and begin implementing the main user interface and functionality our app will be based around. This part is very important since what we develop here is going to be the starting ground for our entire project.

Backlog:

1. **As a user, I would like to be able to sign up for a Vern account.**
2. **As a user, I would like to be able to edit my profile to set or change my profile picture.**
3. **As a user, I would like to be able to add a bio to my profile.**
4. As a user, I would like to be able to add genres I am interested in to my profile.
5. As a user, I would like to be able to change my account's password whenever I want or reset it if I forgot.
6. **As a user, I would like to be able to change the UI scheme to dark mode.**
7. As a user, I would like to be able to hear snippets of music that are recommended to me.
8. As a user, I would like to be able to see what people with similar music tastes to mine listen to.
9. **As a user, I would like to be able to create a social group.**
10. **As a user, I would like to be able to join an existing social group.**
11. As a user, I would like to see a list of local artists using the app.
12. As a user, I would like to see the locations of local artists' performances on something like Google Maps.
13. As a user, I would like to be able to add local artists' performances to my calendar.
14. As a user, I would like to be able to receive notifications about upcoming performances.
15. As a user, I would like to find local artists that write my favorite genres of music.
16. As a user, I would like to be able to see a generated playlist on the most popular songs each week.
17. As a user, I would like to be able to see a generated playlist on local artists' new releases.
18. As a user, I would like to be able to book local artists for performances.
19. **As a user, I would like to link my Spotify account to the app.**
20. As a user, I would like to add a song from the app into my Spotify playlist.
21. As a user, I would like to see more information about local artists.
22. As a user, I would like to see what local artists are most popular in the area.
23. As a user, I would like a quick easy way to share local artists on social media.
24. As a user, I would like a quick way to view what songs are popular in my social group.

25. As a user, I would like to be able to make a post about albums or songs and post them in my social group.
26. As a user, I would like to be able to see a map (similar to SnapChat) that shows popular songs in certain areas.
27. As a user, I would like to be able to have access to QR codes to easily redeem coupons and check into venues.
28. As a user, I would like to rate different venues and the experiences I've had there.
29. As a local artist, I would like to be able to verify that I am a local artist or business if I am indeed one.
30. As a local artist, I would like to be able announce and advertise future performances to users.
31. As a local artist, I would like to be able to share my work with other users.
32. As a local artist, I would like to be able to see statistics for my music.
33. As a local artist, I would like to find other local artists to discover and collaborate with.
34. As a local business, I would like to register as a local performance spot in app
35. As a local business, I would like to add my place as a music venue location
36. As a local business, I would like to share live music being played at my business
37. As a local business, I would like to advertise deals going on during a live performance
38. As a local business, I would like to check and see how many people are interested in showing up
39. As a local business, I would like to have QR codes to scan people who came in through the app
40. As a local business, I would like to have QR codes to be used for the coupons we would advertise.
41. As a local business, I would like to easily communicate with local artists to come and perform at our establishment.
42. As a local business, I would like to review feedback on my venue for changes that I could incorporate.
43. As a university figure, I would like to be able to set up campus backed performances and live music.
44. As a university figure, I would like to have sponsors back the performance and integrate deals and coupons through the application.
45. As a university figure, I would like to easily integrate the music and live performance venues for easy integration and outreach.
46. As a university figure, I would like to help target incoming freshmen to give them access to a larger community to connect with.
47. As a university figure, I would like to analyze data from users to find the ideal location to host events based on user feedback.
48. As a university figure, I would like to have a QR check in system for students attending the live event.
49. As a user, I would like to be able to view my top tracks (long, medium, short term) on my profile page.

Total Hours:

Matthew Witherow: 31

Carson Rupp: 30

Ethan Clay: 33

Kaung Zaw: 30

Rohan Shankar: 30