Our Spotify project was a web application that allowed users to sign into Spotify and have some of their functionality in our extension. In addition, our app also allowed users to view nearby concerts and save them locally based on the artists that they are currently listening to which required the app to connect to the Ticketmaster api with the data that we were given from Spotify. For our Spotify extension to function we divide the development process into 3 different tasks: frontend development including style and functionality, connecting Spotify to our application and implementing playback features, and Translating the Spotify data and sending it to Ticketmaster:

- The frontend development was handled by Alex who implemented responsive functionality using javascript such as dropdown menus, event listeners, and dynamic rendering. As well, Alex style the website using tailwind css and font awesome for the icons.
- The Spotify API integration was overseen by Justin. He implemented OAuth2 for handling login requests to obtain access tokens, which were crucial for most of the API calls related to Spotify, such as song searches, retrieving user data, controlling user playback, and displaying current song information. Justin was also responsible for implementing the player, enabling users to play songs through the application, which required the use of the Spotify SDK.
- Tristan closely worked with the Ticketmaster API to access relevant concerts based on the current song. This process involved obtaining data from Spotify, translating it into a format readable for Ticketmaster, and then displaying the response on our page. Additionally, Tristan implemented a feature to store bookmarked concerts for future reference.