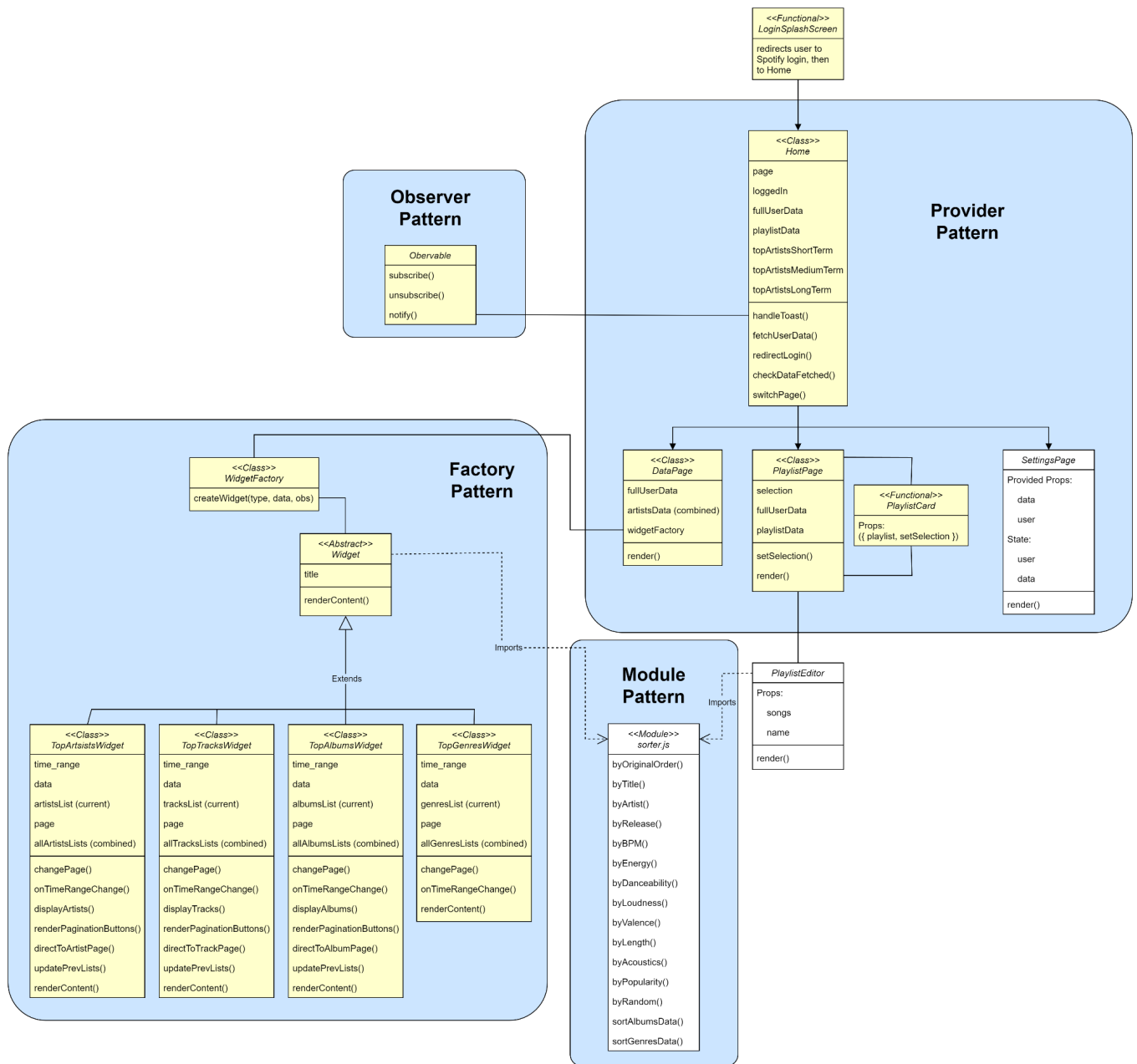


Richard Roberson, Sebastian Adams, Rebecca Rasmussen

Class Diagram:



Status Summary:

- Sebastians contributions: Worked on buttons that propagate hypothetical changes user makes to their own spotify accounts(not finished and still buggy so not on the group github yet).
- Becca contributions: Created the widgets for fetching and displaying user's top albums, top tracks and top genres. Began to integrate widgets into data and home pages.
- Richards contributions: Made the login to spotify OAuth, the PlaylistPage selection screen, and the top artists widget and got it to save your rankings in local storage to compare them later when the Spotify API provides different data indicated with up/down arrows

Some issues we faced were getting information to display in the format that was clear and understandable for users. In some cases the changes made would cause some of the widgets to malfunction. We also realized that the Spotify API did not have as much user data available to developers as we thought it would. Our original plan was to display more in depth user data and statistics based on information provided by the API. This made us change the overall approach with the homepage that we were planning.

We have the widget factory which helps create the widgets like top artists and top genre widgets. We may have multiple widgets that have different requirements to display the data while all being under the concept of a widget and is why the factor pattern is useful in this case. We have a provider pattern to help us retrieve user data and communicate the data with the various parts of the project. The webpage has a couple of different parts that function without any dependence on each other but all on the user data which is why the provider pattern helped in this case. The observer pattern assists with keeping track of login and the time range of the user token.

Plan for Next Iteration: We currently are about half way through the requirements we initially set in project 5. We plan to complete the following tasks in the next iteration and have done by 5/3:

- Allow users to sort their playlists by various criteria such as genre, mood, tempo, popularity, etc., and add or override the new playlist to their Spotify library. Currently just fetching and displaying playlists.
- Allow users to edit and add/remove songs from their playlists.
- Clean-up the UI and have the data page fully integrated with widgets.
- Potentially add an account page if there is still time.