Section E:

Client and/or Advisor Feedback:

Refer to the Appendix

Client and/or Advisor Evaluation:

1. Successfully connect and access the JSON data feed on the Citi Bike website.
    a. **Met**: Using a class I built, the app successfully with an internet connection connects to the Citi Bike live JSON data stream.
2. Parse the JSON data successfully getting all of the necessary pieces of data from the live feed.
    a. **Met**: Using another class I built, the app downloads the data and parses the data according to key words through the class that I built. I then organized all of the parsed data by setting them in to arrays by their JSON object category.
3. The app will have a smooth user friendly interface that is not overpopulated.
    a. **Met**: The app displays all of the bike stations in a very smooth user friendly Recycler view. The name of each station is displayed and there are lines separating each view holder.
4. Display a list of all of the possible bike stations in New York City.
    a. **Met**: The name of each station is displayed in a vertical list with lines separating each view holder.
5. Text color of station name will change if station has either no bikes or is not in service.
    a. **Met**: When a station has 0 bikes, the text color of the station name is grey, and when a station is out of service the text color of the station name is red.
6. When swiped down the app will refresh the data.
    a. **Met**: When the app is swiped down, the app reparses all of the data, and makes any updates to the display if necessary.
7. App will get user GPS location
    a. **Not Met**: App does not have any features to get the user's GPS location, because of lack of time.
8. App will order the bike stations from closest too furthest.
    a. **Not Met**: App does not have this feature because also does not have the ability to obtain GPS coordinates. Furthermore, as all of the bike stations are in New York and I am developing this app in Seattle, it is difficult to test if this success criteria will order the stations correctly.
9. When a particular station is tapped then details about the tapped station will display on the screen
    a. **Met**: The tapped station then opens up an explicit intent to another activity displaying all of the details regarding the station.
10. On that same screen with the details, an option to get directions will appear.

    a. **Met**: There is a menu option in the right hand corner with a directions looking icon.
11. When clicked on the get directions button Google Maps will open up giving you directions to exactly where you need to be.
    a. **Met**: The app opens up an implicit intent to Google Maps going directly into the directions.

Student Recommendations:

Extensions to this application could be made to improve the overall user experience. For example, the biggest extension would be getting the user's GPS coordinates, and ordering the list of bike stations by the user's current position. Another improvement that could be made is improving the efficiency of parsing all of the JSON data. Currently, it takes a lot of time for the application to parse the data, and create arrays according to the JSON object. By improving the efficiency of the app, the loading should go a lot faster.

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