

Bike Share Finder

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List of features:

- Reading the list of stations on startup and on request
- Filtering stations based on a radius around the user's location
- Customizing the filtering radius
- Sorting station list based on distance from user's location and number of bikes available
- Updating distance information regularly when the user's location changes
- Map showing all stations around Toronto using colored markers reflecting the bike availability
- Displaying extended station information such as station number, intersection name, and time of information update

Unimplemented features

- Once in a while, the app crashed on startup. I suspect that there is a problem at the point where the app reads the string of text from the JSON file on the server. I don't know how to trigger it manually in order to test how it's being handled. I've included some logic that catches two types of exceptions and reports a general error to the Main Activity's UI. Whether that fixes the problem is yet to be seen.