

# Bike Share Finder

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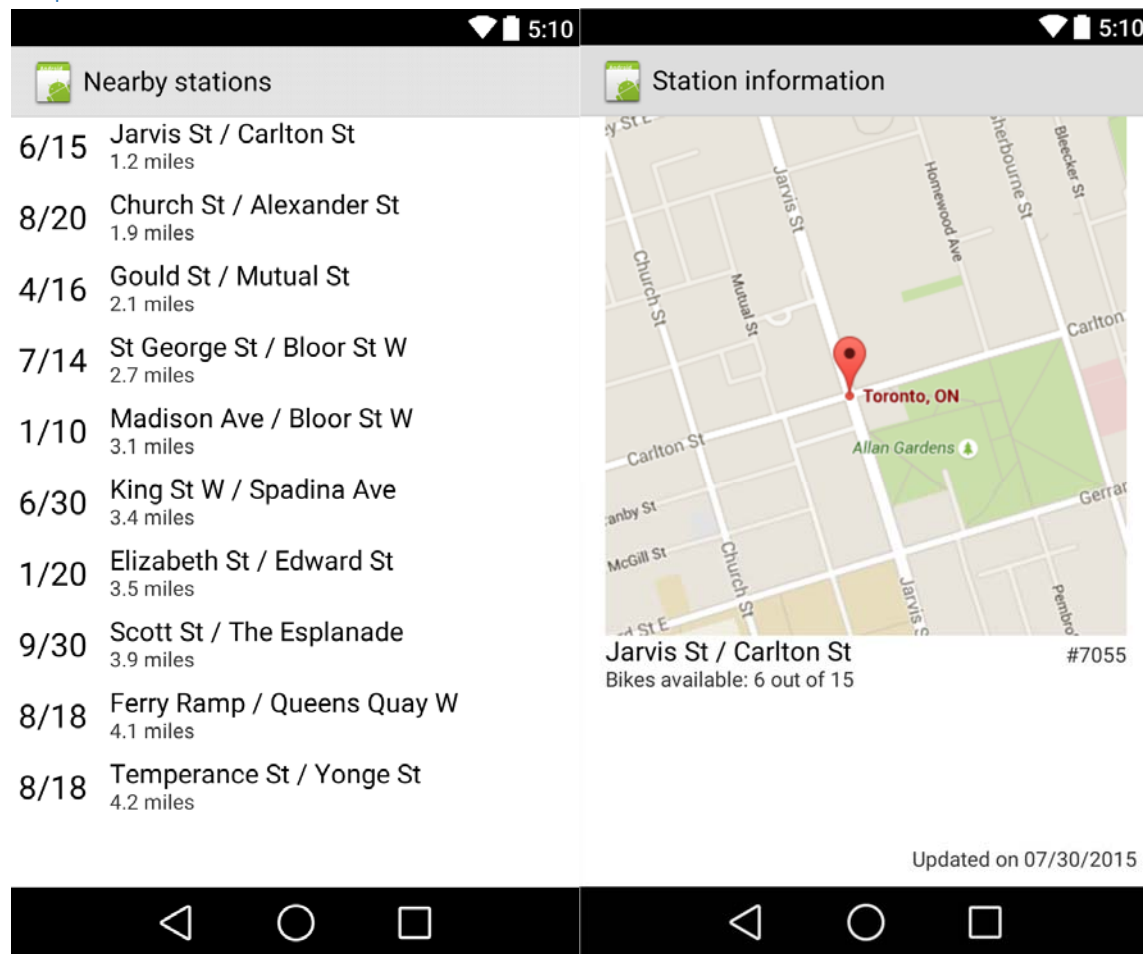
Bike Share is a service that allows people to rent bicycles for a certain amount of time at one of the many automated stations situated across Toronto. This application, Bike Share Finder, makes it possible to find Bike Stations around the user's location in the city or a point on a map. It reports a list of nearby stations along with other useful information about the station. This information is updated on a regular basis.

This project would benefit from developing it as a mobile application due to the dynamic nature of the Bike Share service. Bikes are being constantly checked in and out, and the station information is being updated accordingly. The application will provide the user quick, fresh, and on-the-go information about the Bike Share stations nearby in order to increase efficiency, as well as help people navigate the city more easily. This application will be useful to people such as out-of-town workers and tourists who need a fast and affordable way to get around the downtown Toronto.

#### The app will feature:

- A list of all nearby stations
- Detailed information about the stations such as geographical location or nearest intersection, and number of available and checked out bicycles
- Google Maps API and GPS interaction for better visualizing the station locations
- Filtering search results using customizable radius around a user's location or a custom point on a map

## Mockup screenshots:



The data in these screenshots is inaccurate and serves as a preview only

## Implementation timeline:

1. Parsing dataset information and collecting it into an object array
2. Loading list of stations into a ListView
3. Building station information dialog windows
4. Implementing sorting algorithms
5. Building sorting customization options
6. Implementing Google Maps API
7. General code and interface cleanup