

Android Development

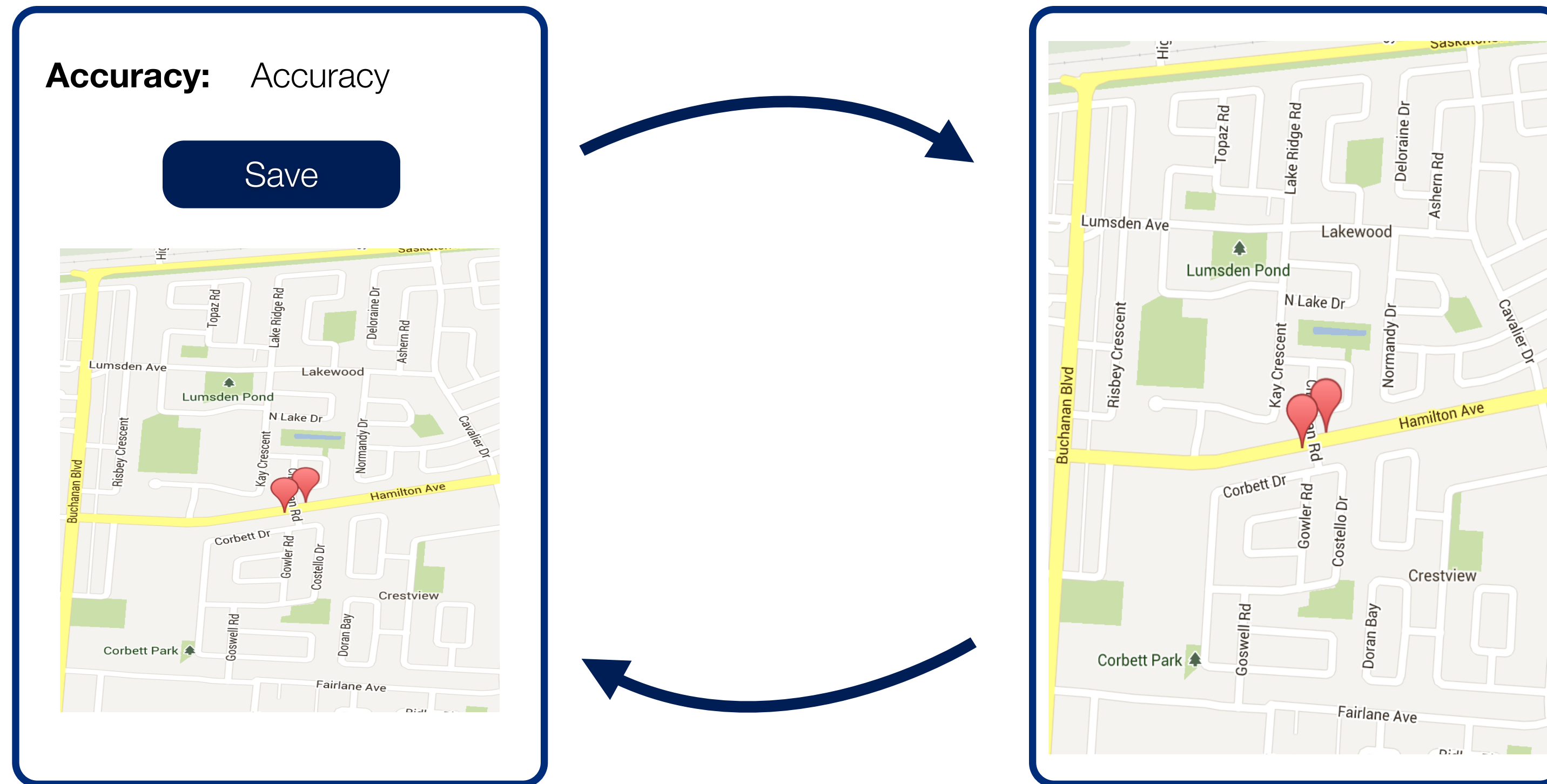
Application Development
Tutorial

FindMyCar

- Design and develop a simple application that allows the user to
 - View his/her current location on a Map
 - View the obtained accuracy in order to decide to save or wait for a better location
 - Save the location (associated to the car location)
 - View/Review on a dedicated map the



User Interface

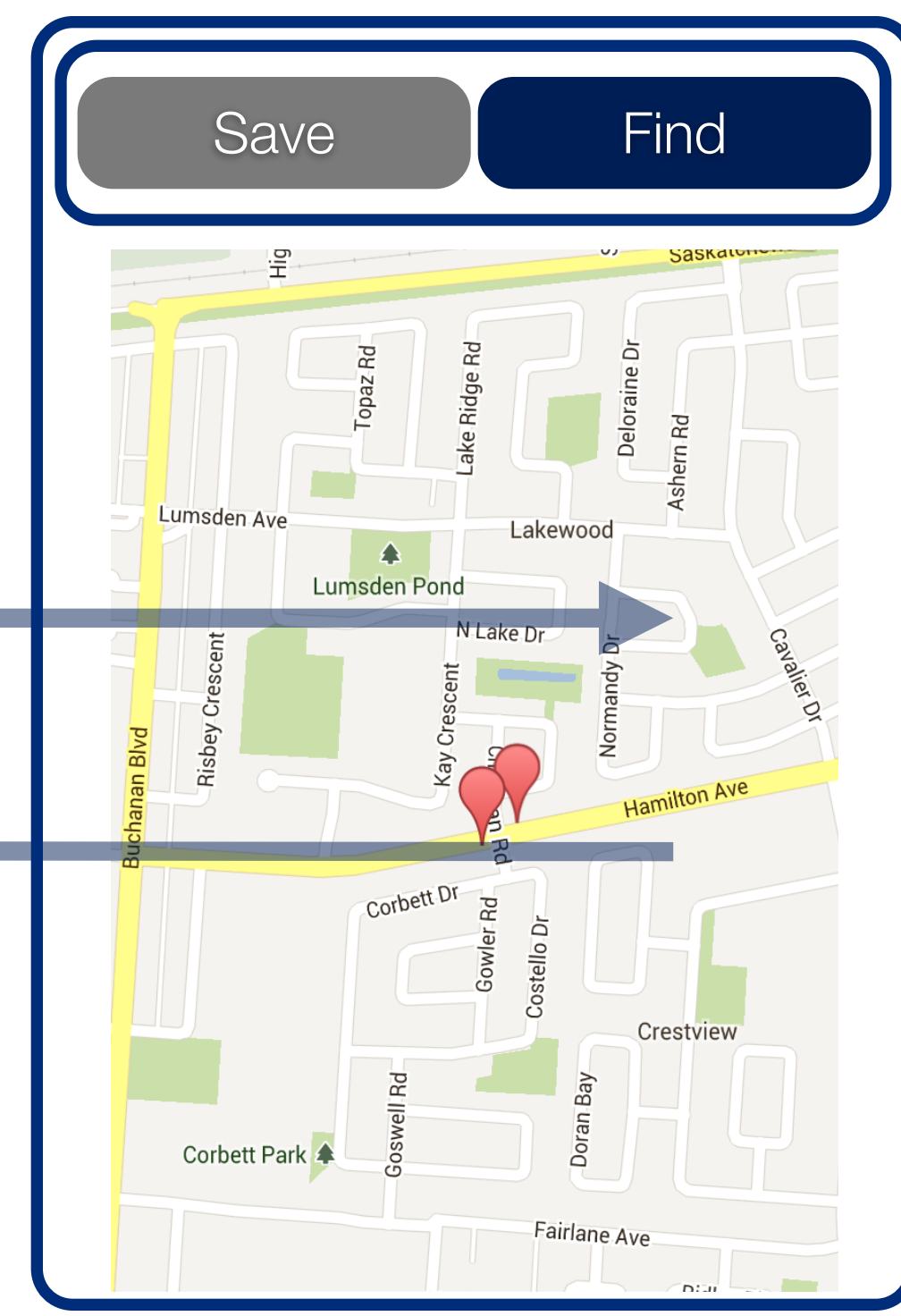
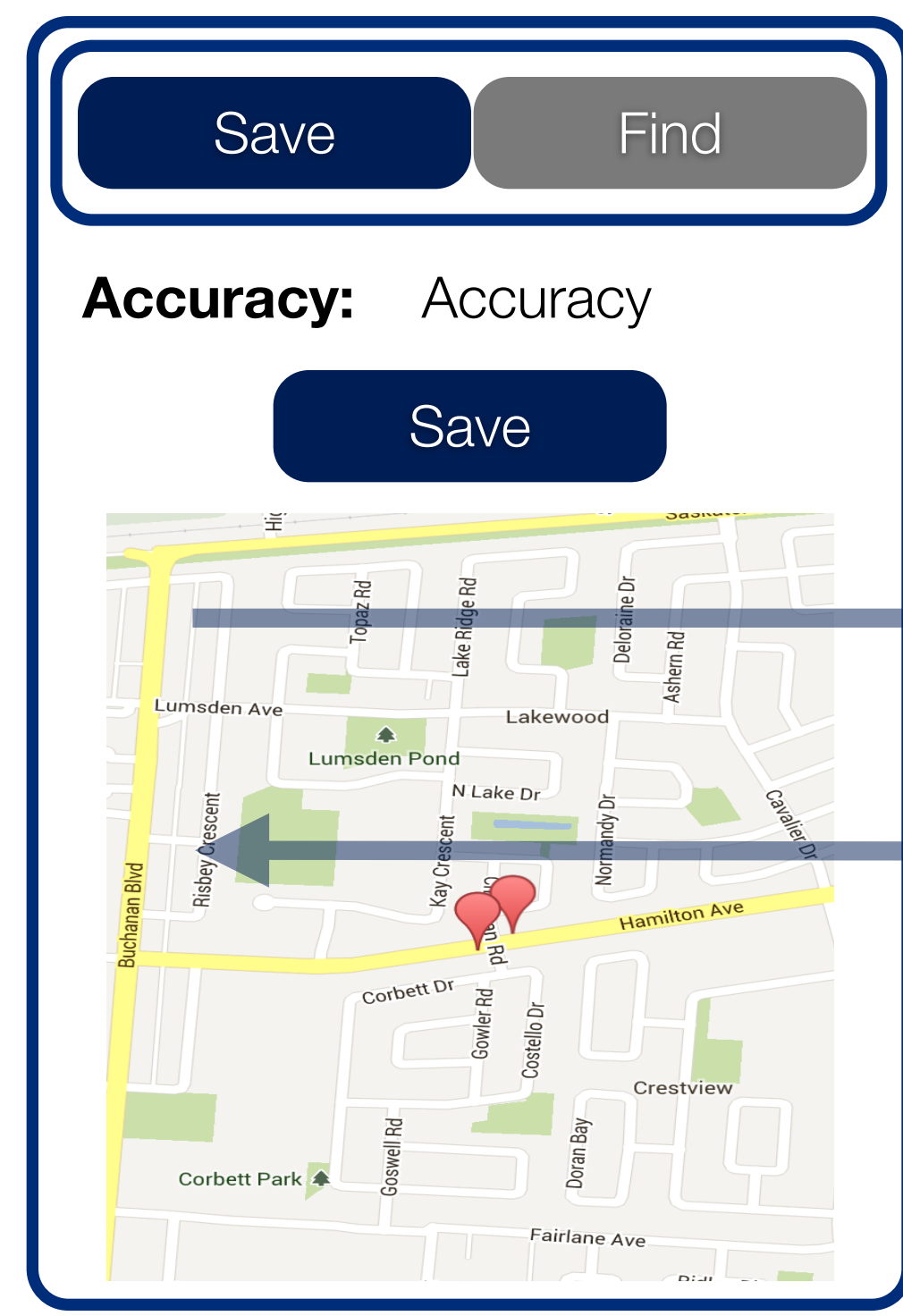
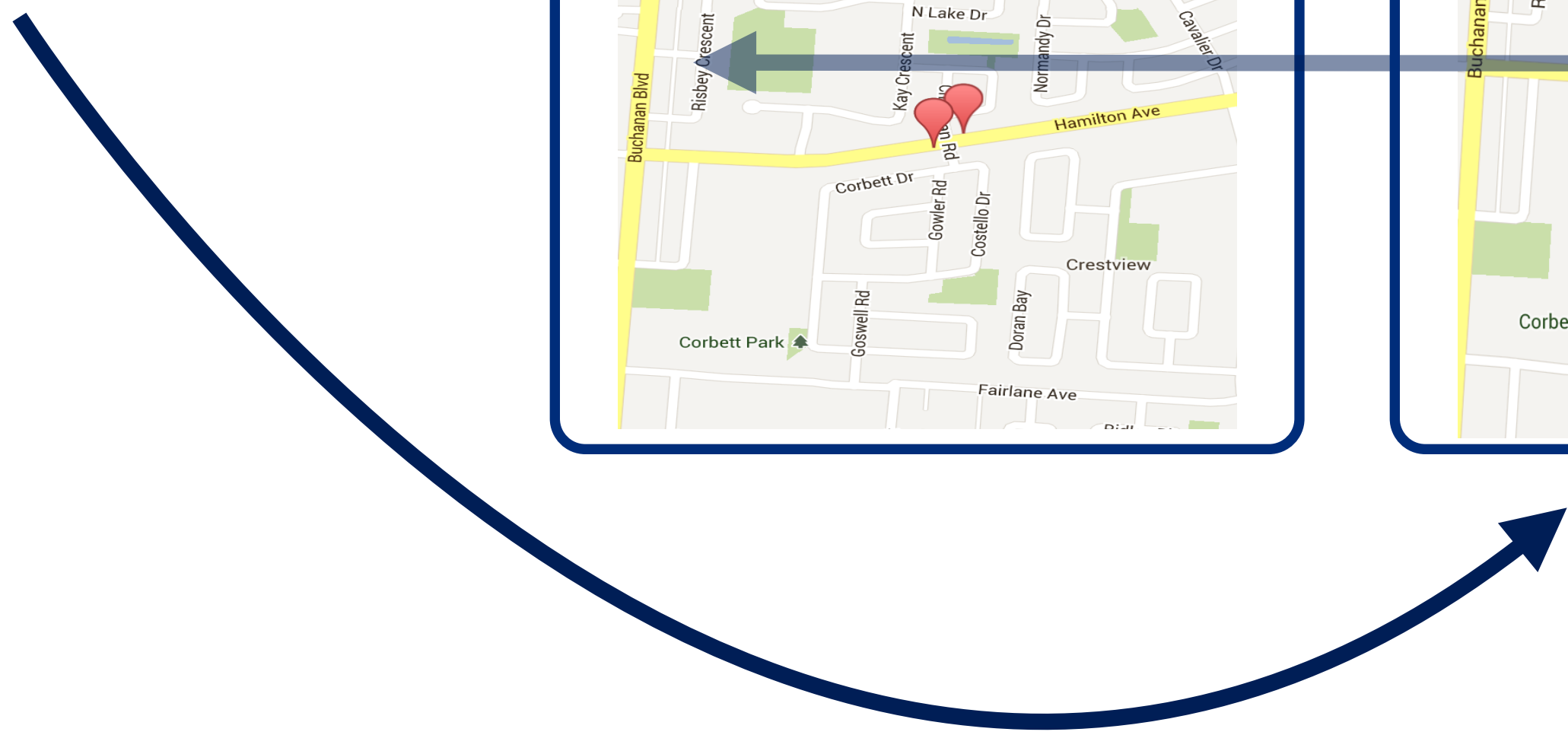


User Interface

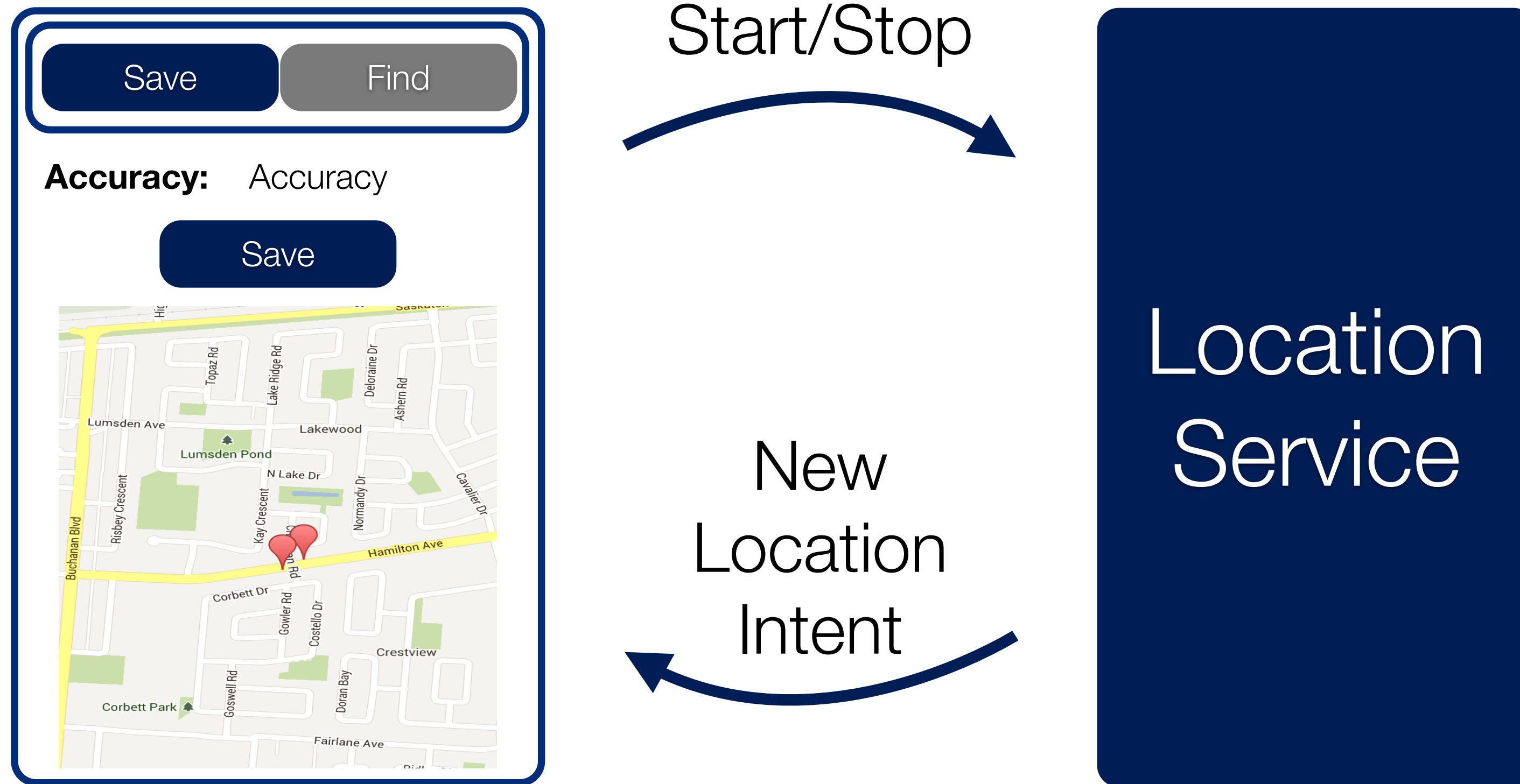
Main Activity

Tab + ViewPager

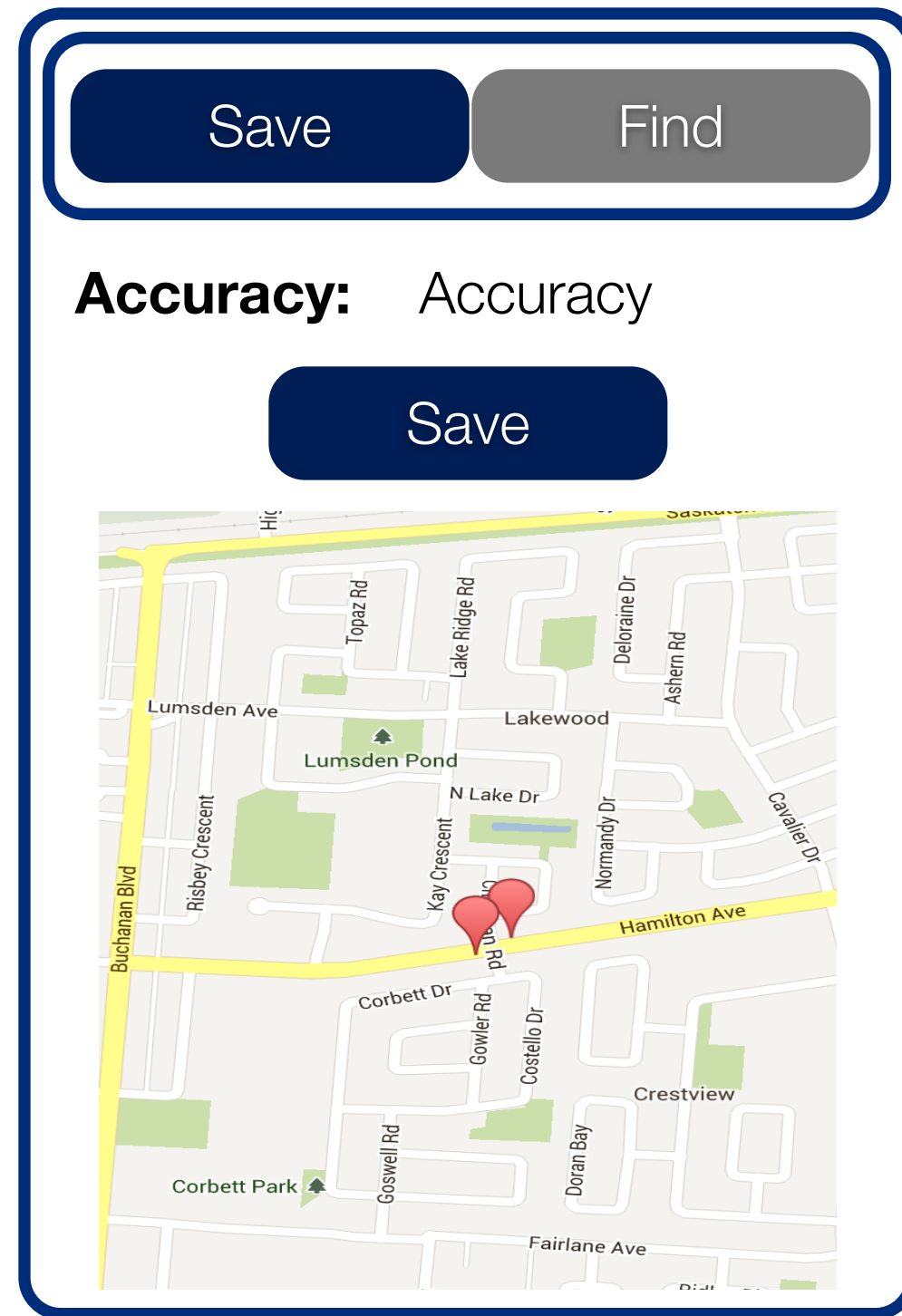
Fragments



Location Service



Storage



Read (User/Car) ↑

↓ Save (User/Car)

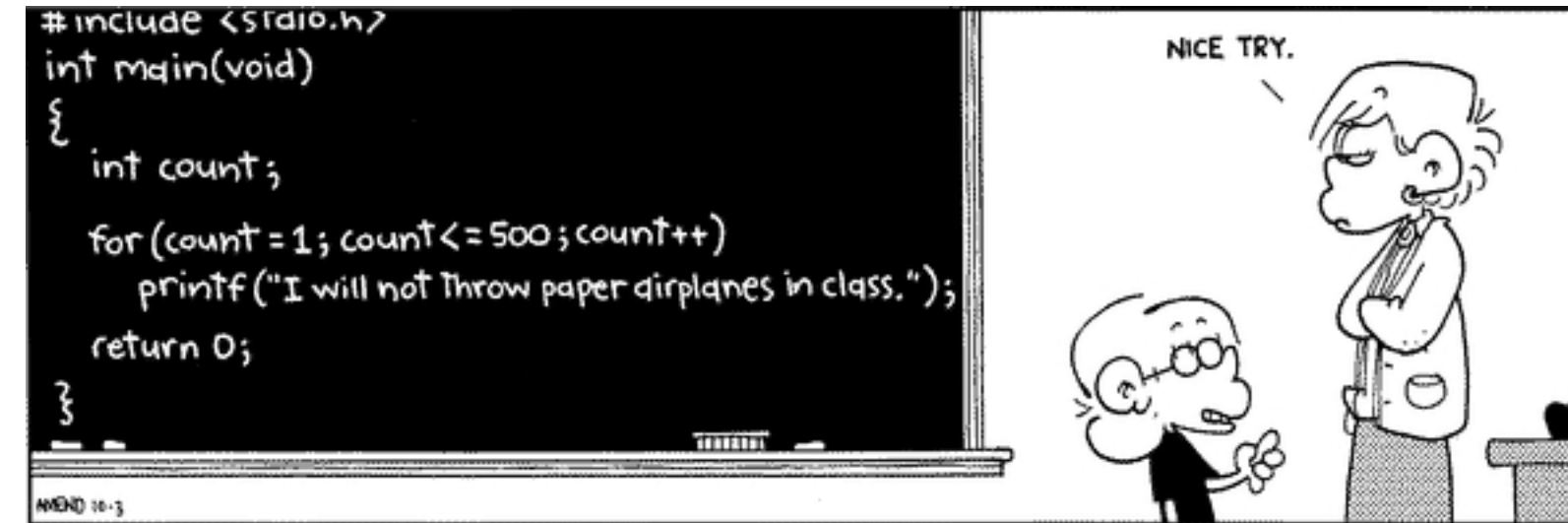


Storage

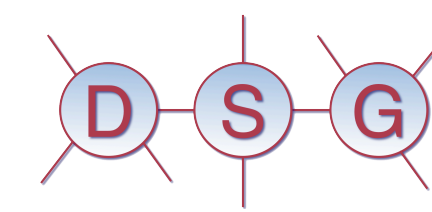
MyLocations Manager

- Singleton
- (private) User Location
- (private) Car Location
- get/set User Location
- get/set Car Location
- Save Car Location on File
- Read Car Location from File

Development Steps



- Create the basic Tab + ViewPager structure with simple Fragment
 - XML Layouts (MainActivity, Fragment 1 and Fragment 2)
 - ViewPager Adapter
- Add final UI elements to each fragment xml and code (TextView, Button, MapFragments) and test with static data (e.g. markers, labels etc ...)
- Create the MyLocationsManager Class
- Create the Location Service
- Integrate UI + MyLocationsManager + Location Service



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