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## CS411 Assignment 2

### User Stories

1. A user who is travelling alone and/or in unfamiliar parts of Boston (e.g. via walking, running or biking) will first want to be able to identify whether the area they are travelling in is safe, based on historical crime data for their nearby radius (e.g. 0.25 miles). This can be achieved through some calculation of a “safety index” for the user’s geographical area that taps into the SpotCrime API and takes into account factors including frequency of occurrence, type of crime committed and time of day. The user does not need to see the specific numerical outputs of this algorithm, but should be able to see a displayed message indicated their area’s relative safety.
2. A user who wants to access their profile and history of searches will be able to find these using navigation on the main screen. There will be an option for each, with profile displaying the information for a user that was input when they registered for the app, and history displaying the past 10 location searches along with the date that a user’s “safety index” was determined. This location and date will be saved each time the user logs in or a search is run during their time in the app.
3. If a user decides that their area is too unfamiliar or unsafe and they no longer wish to travel on foot, the user will be shown a list of their nearest public transportation options within a certain radius of their current location. A user will be able to select the closest MBTA stops and view a prediction of when the next bus or train is arriving. If there is no MBTA stop within 1 mile of the user’s current location, the app will not return any stops.
4. If the user decide that their area is too unfamiliar or unsafe and they no longer wish to travel on foot, they would want to have the option to utilize a ride-sharing app (Lyft) to navigate away from the area and to their destination. Upon first use of the app, the user is prompted to connect their Lyft account via a third-party login. Once their account is connected, they will always be displayed an option to “call a Lyft from my location.” This feature will provide price estimates for a ride as well as a hyperlink to the Lyft web app that has details of the user’s travel already filled in, including pickup and destination locations