

CS 411: Software Engineering

Project Assignment 1: Pitches

Team #2 Section A5

1. First Idea Title: Get Me There!

- a. Description: Send text to the user's phone informing what is the best way to get from location of Event A to location of Event B based on time interval in between events. After the last event of the day, sends a text informing the user the fastest way home. Potential: if near locations with large time intervals, help plan day in other ways, meals etc. **Note:** this idea can be incredibly useful, even a life saver, if it is available offline.
- b. APIs to be utilized: MBTA API, BU Schedule, Weather API, Google Calendar, Uber, Lyft
 - i. MBTA API: <https://www.programmableweb.com/api/mbta>
 - ii. Weather API: <https://www.programmableweb.com/api/weather-channel>
 - iii. Google Calendar:
<https://www.programmableweb.com/api/google-calendar>
 - iv. Uber: <https://www.programmableweb.com/api/uber-rest-api>
 - v. Lyft: <https://www.programmableweb.com/api/lyft-rest-api-v10>
- c. OAuth to be implemented: Google, Uber, Lyft

2. Second Idea Title: Shopping Assistant

- a. Description: Pull shopping data from amazon?/ebay/google shopping APIs, pull from Google Calendar to put in when a product is going to be restocked/go on sale/bid end/etc. Notifies in real time of new releases from user selected favorite online stores/brands. Useful especially for things that sell out quickly and restock frequently. Can also work for concert tickets/sporting events.
- b. APIs to be utilized:
 - i. Sellytics API: <https://www.programmableweb.com/api/sellytics>
 - ii. eBay Shopping API:
<https://www.programmableweb.com/api/ebay-shopping>
 - iii. Google Calendar:
<https://www.programmableweb.com/api/google-calendar>
- c. OAuth to be implemented: Google