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CS411 Proposal Ideas

App Idea 1:

Our first app idea is a transportation aggregate app to show options and prices for transportation in Boston (though this idea can be extendible to multiple cities if it has success). We would use the MBTA API as well as Uber, Lift and possibly LimeBike or Bird. There are also possible extensions by adding a calendar API to see which transportation options are feasible to get to your events on time. Also, we could aim to add an API for streetlight locations or locations of possible stops on your route that you may want to take. Additionally, we could add an API to provide weather data to impact your transportation decision as well.

App Idea 2:

Our second app idea would be a daily info app which would collect social media, reminders and daily tasks. This app would Google Calendar and Facebook events to prioritize and organize tasks for the day. Possible extensions include filters to prioritize tasks, updates on weather, functions to invite others to tasks, either meetings or social events, for the day. Could also include news updates from selected publications or focusing on specific topics in the news.

Both of these ideas could easily use a database and OAuth for user accounts.

Possible APIs

Locations of blue bike stations in Boston - <https://data.boston.gov/dataset/blue-bike-stations>

Boston APIs - <https://data.boston.gov/>

Boston Traffic API - <https://data.boston.gov/dataset/traffic-related-data>

Boston streetlight locations - <https://data.boston.gov/dataset/streetlight-locations>

MBTA API - <https://www.mbtta.com/developers/v3-api>