

## CS411 Project Proposal

### Github Usernames

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### Ideas

- 1) An app that gives the **best recommendation of apartments/housing** based on area crime rate, whether or not it is close to public transportation, and if there is a good selection of restaurants nearby. A database that this project can use is storing the user's preferred location. Furthermore, we can look through Zillow and ApartmentList somehow to get a database of available housing. The main API's that the project will use is a Crime Rate API, Public Transportation API, and a Restaurant API. In terms of third-party authentication, the user will have to login to a social media profile e.g. Twitter.
- 2) An app that **alerts the user when there is a coastal flood event** soon and recommends to the user places with high elevation and directions to get there via public transportation, just in case. A database that the project can use is storing the names of the "safe areas." The main API's that the app will use are the NOAA Weather API, a Transportation API, and an Elevation/Maps API. In terms of third-party authentication, the user will have to login to a social media profile e.g. Twitter.

### Ideas we've considered

- 3) Search a topic and it recommends an article and podcast about the topic.  
APIs used:
  - NPR API
  - MyVox API
- 4) Using two movie APIs, we can recommend users movies.  
APIs used:
  - Rotten Tomatoes API
  - NYT API