

### **PROJECT 1 Movie recommendations**

Project 1 is a movie recommendation service that recommends movies to a user based on the following criteria:

1. Historical user preferences
2. The user's physical location
3. The user's previously watched movies

This project will utilize the [LetterBoxd API](#) to track user preferences and watched movies, the iMDB API to recommend the best movies filmed in a region, and the Google Geolocation API to determine user location.

Authorization will be handled by the LetterBoxd API.

If there is extra time in the project, we can utilize various other APIs to tell the user where to watch the movies recommended, both via streaming services and, in the worst-case, in-store locations.

### **PROJECT 2 Rate my professor's crimes**

In this project, our group was thinking of creating an application in which a BU student could look at the rankings of their professor based on their major. This would be primarily using the [RateMyProfessor api](#) to obtain the ratings for each professor. Additionally we will be using the [FBI crime data API](#) to display possible crimes the professor had committed in the past.

The general layout of the application is the following

1. Student logs in with their RateMyProfessor account and their major
2. Application will display the professors of their major and information given from the FBI crime data.
  - a. This would be sorted in various ways, be it alphabetically, amount of crimes/severity (for example ones who did not commit crime could be placed at the bottom of the displayed professors on the User's request

Authorization will be done with the RateMyProfessor Api

If we are able to expand the idea, we may attempt to expand this application to support more than just Boston university, through a system of viewing school's registrars.

**Links to APIs mentioned:**

Geolocation API: <https://www.programmableweb.com/api/google-maps>

Letterboxd API: <https://api-docs.letterboxd.com/>

RateMyProfessor API: <https://pypi.org/project/RateMyProfessorAPI/>

FBI Crime API: <https://crime-data-explorer.fr.cloud.gov/pages/docApi>