

## **CS 411: Project Assignment 1**

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### **Proposal 1:**

Using login authentication from facebook, this application will give users suggestions, ratings, and trailers for upcoming movies. This will vary from trending movies to small scale indie movies. This web application is meant to be less traditional and more user personalized than applications such as netflix, youtube, etc. The idea of the application also aims to give users a robust and realistic feedback on current movies rather than formal movie reviews like fandango. Correlations that we are considering in analyzing are the user's preference vs. database preference, what is trending on fb vs. box office reviews, and ratings vs. what's trending through social media.

*3rd Party Authentication:* Ask users to login with Facebook and retrieve their list of 'liked' movies

*First API:* themoviedb APIA, <https://www.themoviedb.org/documentation/api>

Description: Provides top rated movies, upcoming movies, current movies as well as TV shows.

*Second API:* rottentomatoes, <https://www.programmableweb.com/api/rotten-tomatoes>

Description: Provides ratings for past and current movies.

*Third API:* MovieClips, <https://www.programmableweb.com/api/movieclipscom/libraries>

Description: Provides clips/ trailers for upcoming and past movies.

### **Proposal 2:**

Based on the foods a user may have, suggest a wine and where to find it. The user will input the foods they have into the web application. Based on the foods, the application will check the wine pairing API. After which, it will check for the availability of specific brands around the user's location.

For example, if the user has a Herb Roasted Chicken with Scalloped Potatoes and Roasted Vegetables with a Balsamic Glaze, the wine pairing should be an airy red wine such as a French Bordeaux or a Chilean Cabernet Sauvignon. The web application should then link the user to nearby stores using the second API to find specific brands for these types of wines.

*3rd Party Authentication:* Facebook

*First API:* Winestein, <https://www.programmableweb.com/api/winestein>

Description: Provides scores out of 100 for wine and food pairings

*Second API:* Wine-Searcher, <http://www.wine-searcher.com/ws-api.lml>

Description: A search engine of 24,000+ wine stores around the world.

*Third API:* BigOven, <http://api2.bigoven.com/>

Description: Allows search by title, ingredient, keyword, etc.