

CS 410: Final Project Progress Report
Team Abracadabra
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At this point, our group have completely follow the proposed timeline included in our project proposal. We have finished the research on currently available movie recommender systems by doing a competitive analysis. We looked at movielens (<https://movielens.org/>) and taste (<https://www.taste.io/>) which we believe share similar concept with the recommendation system we intend to develop. We have completed building up the crawler for gathering information from two target websites: IMDB and Rotten Tomatoes. Another thing we did is we applied tkinter to build a sketchy interface that facilitate the use of our system. To makes the design of our system more human-centered, we have improved our algorithm so users can choose the maximum of three different emotions at the same time.

In the following two weeks, we aim to finish two main tasks: first, completing the main script that contains our algorithm and calls the interface and crawlers; second, if time permits, further polish the system by prototyping as a mobile app.

The challenge we are facing right now is due to the web structure of Rotten Tomatoes websites: more detailed information about the movie, such as grading and runtime are stored inside the movie profile links. Even though we have successfully enables our program to look into the profile links and capture intended information, it takes a while for Python to actually process it. Our group is still working on figuring out the best way to present the movie information without taking excessive time.