

REVISED Project 3 Proposal

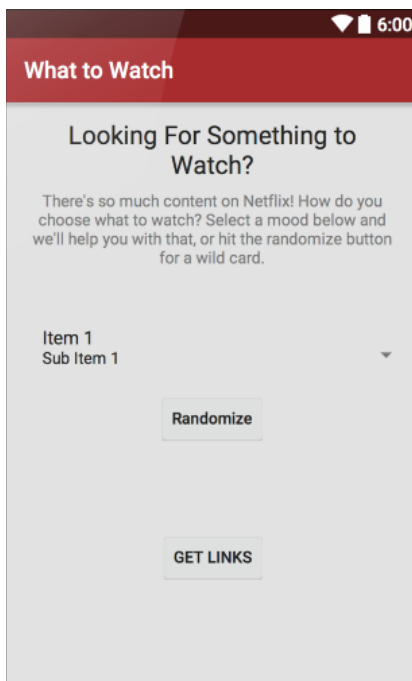
For Project 3, I've decided to go in a completely different direction simply for the sake of not having any good ideas the first time around.

One of the things I'm interested in is Parsing data from the web and repurposing the data in a nicer format. There's such a multitude of info out there, so it only makes sense to have the tools to use that info. With that said, what I'd like to do is use a third party API called Jsoup which is a java library for parsing data from HTML.

I've read the documentation and it doesn't look too difficult. Basically it uses CSS selectors to extract data and turn it into a mutable java element.

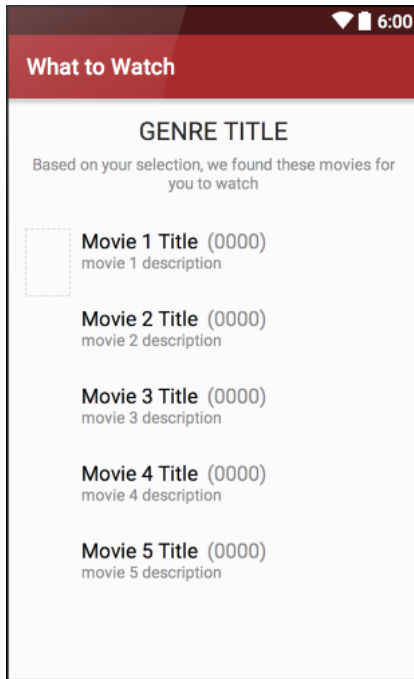
For the implementation of this API, I am going to build an Android app that helps the user find something to watch on Netflix. I've chosen this route because it uses many types of data on a single web page to create a cohesive set. Numbers, sentences, images etc all make up the info used to display info for movies.

This app will have 3 separate Activities.



Activity 1)

Functions as a Welcome screen and prompt to select a Genre. Button will take user to next activity after Genre is selected. Also provides a Random button for the especially indecisive.



Activity 2)

Based on the selected Genre, the user will be presented with 5 predetermined programs to watch. each "cell" will be tappable and will activate the final Activity.

Behind the scenes, the Jsoup library will be pulling Movie metadata from the rotten tomatoes page (because they have the most modular code to scrape). It will populate the Title, year, rating, description, and hopefully the movie poster, which is outlined in the wireframe to the left of the textViews.

Activity 3)

The final activity will simply take the user to a WebView activity where they can visit the appropriate rotten tomatoes page (or imdb... can't decide) for the movie to view the trailer.

I really hope that I will be able to pull this off. I am a little anxious about my experience with java in general, but I feel that this will be a good challenge for the final project.