SI 206 Final Project Plan

a. What is your group's name?
Adaptation Analyzers

b. Who are the people in the group (first name, last name, umich email)?
Emma Johnson emmajohn@umich.edu
Sarah Kichula skichula@umich.edu
Andrew Wang wxng@umich.edu

c. What APIs/websites will you be gathering data from? The base URLs for the APIs/websites must be different for them to count as different APIs.
OMDb (Open Movie Database) - Base URL: http://www.omdbapi.com/
Google Books API - Base URL: https://developers.google.com/books/docs/overview
Open Library API - Base URL: https://openlibrary.org/dev/docs/api

d. What data will you collect from each API/website and store in a database? Be specific.
OMBd - collect movie titles & their corresponding ratings/reviews
Google Books- collect book titles & their corresponding ratings/reviews
Open Library - collect book titles & their corresponding ratings/reviews

e. What data will you be calculating from the data in the database? Be specific.
Calculate the average ratings for books and movies.
Determine which medium (book or movie) receives higher ratings on average.
Compare ratings for the same books from different sources (Open Library vs. Google Books).

f. What visualization package will you be using (Matplotlib, Plotly, Seaborn, etc)?
Seaborn

g. What graphs/charts will you be creating?
Bar Graph: Compare average ratings of books and movies side by side.
Scatterplot: Visualize differences in ratings for the same books between Open Library and Google Books.

h. Who is responsible for what? Please note that all team members should do an equal amount of programming and total work.
Sarah - Collecting data from OMBd API and storing it in a database
Emma - Collecting data from Open Library API and storing it in a database
Andrew - Collecting data from Google Books API and storing it in a database
All of us will work together to combine our data to compare and create our graphs/plots.