

Group Project Phase I

INFO-233 Group Project – Phase I – Project Definition Project Name: Team Name: Group 2

1. Define the problem you are trying to solve.

- Looking up information on a movie and making a tier list rating 1-5 and sorting those movies based on the rating you give the movie.
- Also with the ability to email the results.

2. How does your program help to solve the problem?

- Our program helps users decide on what movies to watch, rank what their favorite movies are, and share their results with themselves and friends

3. Who will be the users of this program? Detail at least two Use Cases a. Use Case 1 b. Use Case 2

- Case A: Someone who is unsure about what movies to watch.
- Case B: Someone who wants to share their opinions on movies.

4. What technology is available to solve the problem? Identify the specific APIs and Modules to be used for the program.

- OMDb API - gives information about specific movies. (IMDB rating, release date, genre, director, actors, plot/description)
- Requests module - allows program to send HTTP requests using python
- Random module - Randomly Assigns a ranking to the users list. With funny comments at random depending on the range of the ranking.
- Import urllib.parse Allows URL to be processed properly

5. Detail the sequence of the program- What is the flow of the program? How does a user use the program?

- The program will consist of a loop that begins by asking the user if they would like to search for a movie or rank a movie. If the user wants to search for a specific movie, the program prints out the information about it (i.e. genre, release year, plot summary). It then gives the user the option to email the results. If the user wants to rank a movie, they then search it and then the program asks the user to rank it and appends it to a general tier list in the program.
- Use the random module to have the program randomly decide if the users tier list is trash or not (for fun at the end of program)
- Also gives the user the option to email the tier list.
- You can also type quit to shut down the program

a. Break up the work in parts to allow the developers to work on the coding in the next phase. Have at least as many parts as there are team members: Some examples can be: User Input, Communications – APIs, Modules, Function Declaration, Research, Exception Handling

1. Email API

- a. (Randomly Assigns a ranking to the users list. With funny comments at random depending on the total range of the IBM rankings)
- 2. Tier List Function (Jesiah)
 - a. (Creating the function that organizes the movies the user ranks into a list to be printed out)
 - b. Random Rating Function
- 3. Movie Search Function Change output to look good (Add Emojis)
- 4. Exception/Error Handling
 - a. Document Error and How we Fixed it