Kaitlyn Forsberg

COP3331-002

Flex Project: How-to-file

The program will ask the user a series of questions about whether they would like to be given recommendations for songs or movies. The user will also be able to save these recommendations after each one is printed. At the beginning of the program, the user will also be given an option to print out the recommendations they had saved earlier. For each response, the user will have to choose an integer to pick from a list given. However, if the user does not enter an integer or a number within the given range then the program will repeatedly ask the user to enter a valid input. All of the responses taken from the user use data validation to check that each input is of the correct data type and that the input is within a valid range. The user must enter an input within the correct range to move on to the next question or the recommendations.

1) First the user will be asked whether they would like to get recommendations, print previously saved show recommendations, or print previously saved song recommendation. Thus, the user will have to enter an integer between 1 and 3. As stated above, the input will be checked that it is within the valid range.

2) If the user chose to print either of the saved recommendations then they will be printed and the program will exit.

3) If the user chose to get recommendations then they will have to choose the type of media for them (show/song). The two types of recommendations are the only options for this response so the user will have to enter an integer between 1 and 2.

4) The user must now choose a genre for either type of Media. The options for the genre will be printed to the user depending on the answer to question 3 above. There will be

seven types of genres for both type of media so the user must answer between 1 and 7 to continue.

5) The user will then be asked what time period they want the release year for the recommendations to be from. They will be given three options, for the shows/movies to have released after 2010, before 2010 and including 2010, or from any year. Thus, the user must enter a number between 1 and 3 to proceed.

6) If the user entered that they would like song recommendations, then they will be asked how many they want to be given within a certain range. The range depends upon how many songs/shows are in the text file with the given specifications and the user cannot proceed until they enter a value within the range.

7) If the user entered that they would like show recommendations, then they will be prompted to enter the platform they want to use to watch the show. They will be given an option of Netflix, Hulu, or either platform so they will have to enter a value between 1 and 3 to proceed. Next the user will be asked about how many show recommendations they desire and the same specifications are required for shows as in number 6 above.

8) Lastly, the number of recommendations that the user inputted will be printed and they will have to input whether they want to save the given recommendation or not. The user will have to enter "y" or "n" to be able to proceed with the rest of the recommendations being printed.