ML Questionnaire:

The recommendation engine for the product will require data which will be scraped from movie databases like IMDB. The data scraped cannot be used to categorize recommendations for users by themselves and as such a type of filtering is necessary to take place. In this project we will utilize item-to-item collaborative filtering to find similar items to the ones liked by the users to form a recommendation list. (Click link below for better understanding). For this list to be composed of from the start a base set of the user's likes and dislikes needs to be created, which the recommendation system can further expound upon with further use of the end product.

Questions Asked:

New users will be asked to select three genres of film that they like the most.

Action	Adventure	Animation	Biography
Comedy	Crime	Documentary	Drama
Family	Fantasy	Film-Noir	Game-Show
History	Horror	Music	Musical
Mystery	News	Reality-TV	Romance
Sci-Fi	Sport	Talk-Show	Thriller
War	Western		

Example of a genre list

Upon selection of three genres a list of 20 movies will be constructed by scraping a website. These twenty movies will consist of 1 or more genres selected by the user and asks the user to select their best five movies from the list. The genres involved in the list as well as the tags/keywords associated to them. These keywords and genres for movies selected will form the basis to create the item-to-item matrix.

Links:

Recommendation Engine: https://www.cs.umd.edu/~samir/498/Amazon-Recommendations.pdf

Sample Keywords List: https://www.imdb.com/search/keyword/