Final Project Planning Document

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Final Planning Objective

Throughout the DATA 612 course, we have learned several recommender system building techniques. The final project will utilize the collaborative filtering system within a item-based environment.

Data

The data chosen for the final project was downloaded from the Kaggle website https://www.kaggle.com/CooperUnion/anime-recommendations-database (https://www.kaggle.com/CooperUnion/anime-recommendations-database).

```
# rating data set
rating <- read.csv("F:\\CUNY\\Summer 2019\\DATA 612 Recommender Systems\\rating.csv")
glimpse(rating)</pre>
```

The rating dataset has 7,813,737 observations and 3 variables.

```
# anime data set
anime <- read.csv("F:\\CUNY\\Summer 2019\\DATA 612 Recommender Systems\\anime.csv")
glimpse(anime)</pre>
```

The **anime** dataset has 12,294 observations and 7 variables.