SI 664 Final Project Proposal

For this project, we plan to build a mini Apple "App Store". The purpose of this project is to build a Django-based web application which will show relevant information about the applications such as developers, product page, reviews, supported languages, category, rating, ranking, availability, version and size. The review is a part of the dataset, but new users can further provide his/her own reviews to different apps. We plan to use the dataset provided by Kaggle (https://www.kaggle.com/abdulmalik0x/itunes-apple-store-apps), from where we can obtain 6 different tables that we need. In our model, we have 2 many-to-many relationships and 3 one-to-many relationships.

Many-to-many: (1) one app can have multiple reviewers, similarly, a reviewer can review multiple apps; (2) one app can support many different languages, and vice versa.

One-to-many: (1) an app belong to only one category, while a category can contain many apps; (2) an app can have only one developer, while a developer can have different product (apps); (3) an app has only one availability (free or paid), while a certain availability can correspond to many different apps.