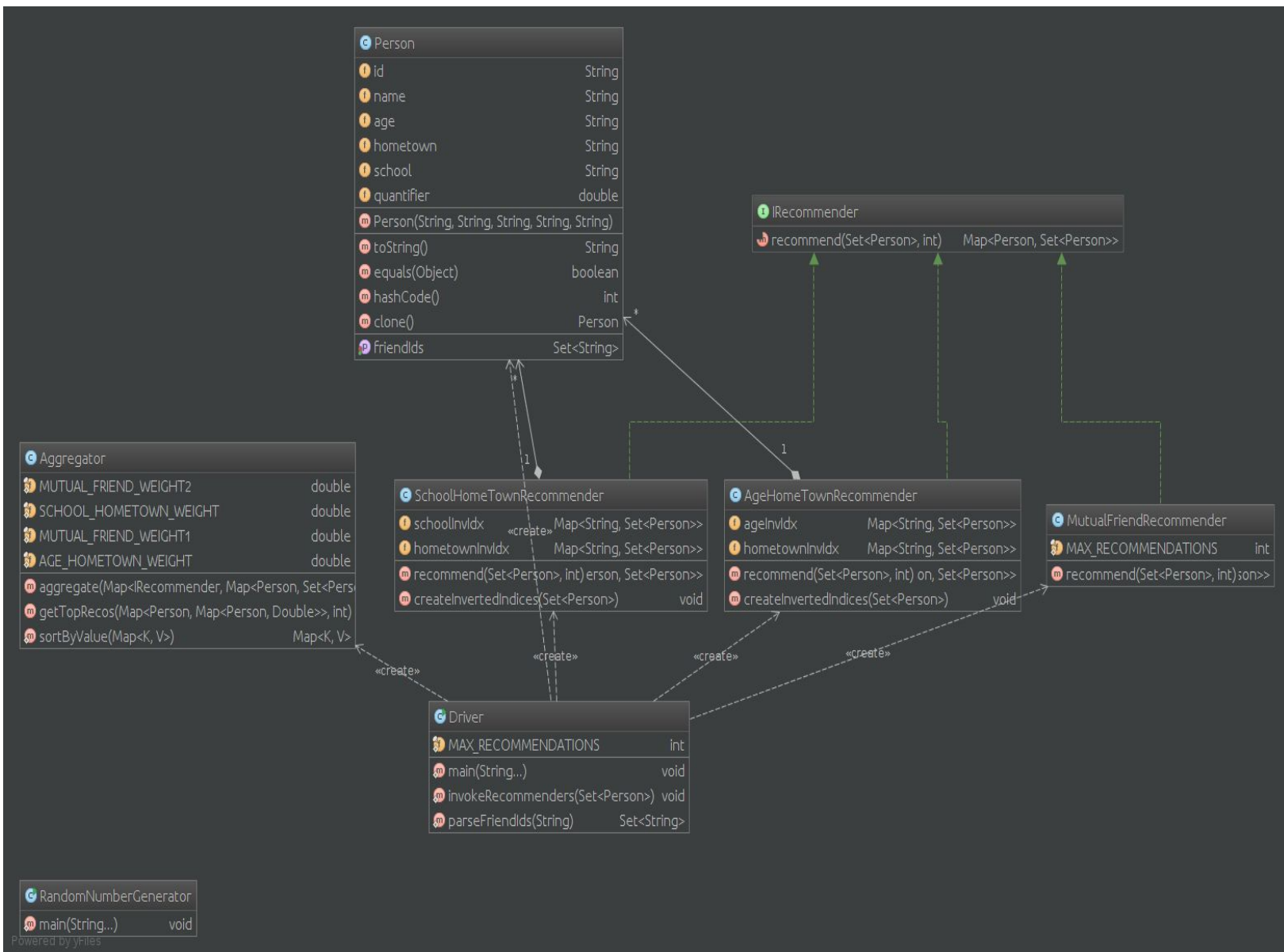


Problem: Design a friend recommendation system in a facebook-like social network

Solution:



Description:

The system contains a Recommender interface that all recommenders implement. Currently three different recommenders are available :

- AgeHomeTownRecommender - recommends people with same age and hometown
- SchoolHomeTownRecommnder - recommends people with same school and hometown
- MutualFriendRecommender - recommends a randomly chosen friend from the friend lists of people with whom the user shares highest number of mutual friends

Results from each of these recommenders is aggregated by the Aggregator. It assigns weights to the recommendations and returns top 5 recommendations for each user.

A random generator is employed to create artificial lists of people.