**Classes**

1. User, have variables ID, register date, recommendation times, a list of friends, the number of user that follow it, gender, city, and age.
2. Neighborhood, to generator a user List, to initial all the user
3. IOLibrary, to read every lines in file to a List<String>, to write into file.
4. RecommendCriteria, a abstract class to define a method recommendFriends;
5. NewbiesMimic, extends RecommendCriteria
6. FriendOfFriend, extends RecommendCriteria
7. FollowInfluencer, extends RecommendCriteria
8. BranchOut, extends RecommendCriteria
9. SameCityDiffGenderNearAge, extends RecommendCriteria

**Encoding and accessing the information**

Read every node as a User, and have a user collection to remember all user; Use for each edge, calculate the neighbor and follow information

**Bonus**

Add a new Class SameCityDiffGenderNearAge, which will recommend friends that in the same city and their age are not diff than 5 years and with different gender. In the RecommendationSystem, just change the RecommendationCriteria[]