Model Main

Person

+studentID
+currentPreference

+getID()
+getCurPref()

Project

+enrolledStudents
+maxStudents
+projectID
+numBoys
+numGirls

+getMaxStudents()
+getNumBoys()
+getNumGirls()
+getID()

Database

+SQLiteDB: db

+Database(String url)
+getPreference(int StudentId, preference)
+getGender(int StudentId)
+getPrevYears(int StudentId)
+getGrade(int StudentId)
+getMinStudents(int ProjId)
+getMaxStudents(int ProjId)
-connect()

Algorithm

+Queue of People

+getNextPerson()
+applyToProject(Person, Project)