PAS UML

general overview

Main

Referral Path Finder

ChatThread

DataParser

GaleShapely

FriendRequestThread

PodFormation

StudentGraph

Student

University Student
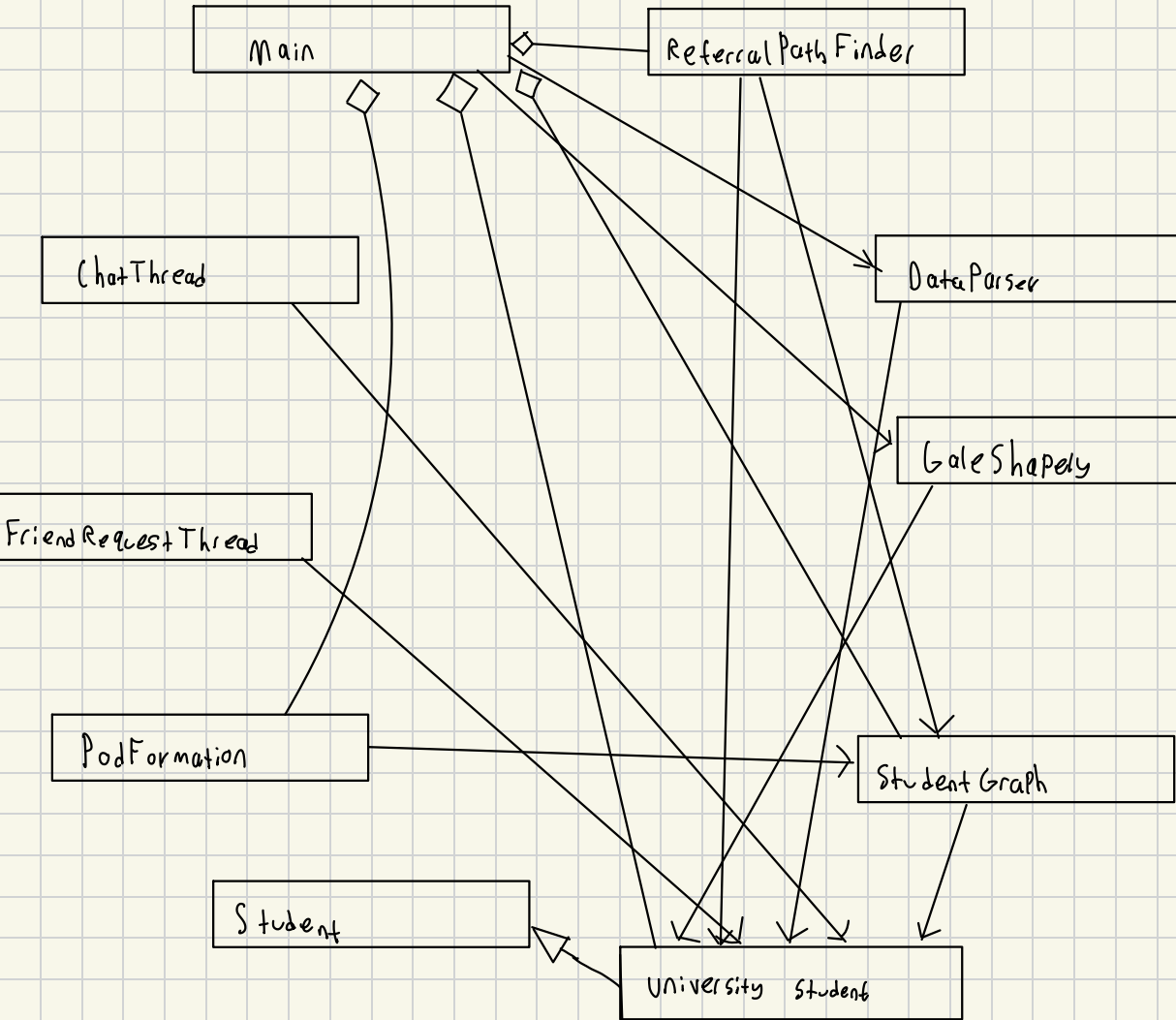
UML Data

Main

+ main (args : String[]) : void

Friend Request Thread

+ Friend Request Thread (sender : universityStudent , receiver : UniversityStudent)

+ run() : void

Gale Shapely

+ assignRoomates (students : List<uniStudent>) : void

Pod Formation

+ PodFormation (graph : StudentGraph)

+ formPods (podSize : int) : void

Referral Path Finder

+ ReferralPathFinder (start : University Student ,
+ target Company : String) : List< university Student >

Student

- name : String
- age : int
- gender : String
- year : int
- major : String
- gpa : double
- roommatePreferences : List<String>
- previous Internships : List<String>

+ calculate Connection Strength (other : Student) : int

Student Graph

+ Student Graph (students : List<uniStud>)

University Student

+ calculateConnectionStrength (other : Student) : int

Chat Thread

+ chatThread (sender : uniStud, receiver : uniStud, message : String)

+ run() : void

Data Parser

+ parseStudents (filename : String) : List< university Students >