CareerQ: Class Diagram

User

- ID: String
- password: String

+ Register ()
+ Login ()

Extends — Extends — Extends

Student

- Student ID: int

+ browseCompanies(): ArrayList<Company>
+ overviewQueue():
+ joinQueue(Company):
+ leaveQueue(Company):
+ checkQueuePosition(Comapny):
+ receiveNotifications():

Company

- companyName: String
- queue: Queue

+ createQueue():
+ viewQueue():
+ acceptFirst():
+ setQueueThreshold(int):
+ pauseQueue();
+ resumeQueue():
+ addStudent(Student):
+ removeStudent(Student):
+ prioritizeStudent(Student):
+ setDropIn():
+ setQueue():

Admin

- startDate: Calendar
- endDate: Calendar

+ createEvent():
+ terminateEvent():
+ manageCompany(Company):
+ setTimeframe(Calendar, Calendar):

1..*   0..*   0..*   1

0..*   1   1   1

Queue

- students: LinkedList<Student>
- maxThreshold: int
- isQueue: QueueStatus

+ pause():
+ resume():
+ remove(Student):
+ add(Student):
+ prioritize(Student):

<<enumeration>>
QueueStatus

+ PAUSED
+ ACTIVE