

Team Flying Bob <Addison Huang, Jerry Ye, Shayan Chowdhury>
APCS2 pd2
HW #56 -- Orienting Your Up Gear
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Comparable <<Interface>>
+ compareTo()

Course
<ul style="list-style-type: none">- String teacher- int period- String subject- int maxStudents- int numStudents- PriorityQueue<Student> waitlist <hr/> <ul style="list-style-type: none">+ String getTeacher()+ String setTeacher()+ int getPeriod()+ int setPeriod()+ String getSubject()+ String setSubject()+ int getMaxStudents()+ int setMaxStudents()+ int getNumStudents()+ int setNumStudents()+ Student addStudent()+ Student removeStudent()+ PriorityQueue <Student> getWaitlist()+ PriorityQueue <Student> setWaitlist()+ void printInfo()

Student
<ul style="list-style-type: none">- int id- course[] schedule- int grade- int gpa <hr/> <ul style="list-style-type: none">+ boolean chooseClasses()

```
+ course[] getSchedule()
+ course[] setSchedule()
+ int getGpa()
+ int setGpa()
+ int getId()
+ int setId()
+ void printSchedule()
+ void
printScheduleReverse()
```

User

```
- String Username
- String Password
```

```
+ String getUser()
+ String setUser()
+ String getPass()
+ String setPass()
```

LCourses

```
- ArrayList <Course>
```

```
+ void printCourses()
```

LStudents

```
- ArrayList <Student>
```

```
+ void printStudents()
```

Driver

```
+void main(String[] args)
+void instantiateData()
```

Administrator

+ Course addCourse()
+ Course removeCourse()
+ Student addStudent()
+ Student removeStudent()
+ Student getStudent(int id)
+ boolean
addStudentInfo(String info)

