SOFTWARE DIAGRAM   SPRINT 1

"Views"

get() -
post() -

View Class:
Admin Home

View Class:
Account
Management

View Class:
Course
Management

View Class:
Section
Management

View Class:
Edit Account

View Class:
Delete Account

View Class:
Create Account

View Class:
Password Reset

View Class:
Login

<<interface>>
User

+login(int, String)
+getID() : int
+getPassword(): int
+getName() : Dict
+getRole() : String

"Standalone Functions"
- ...
...

Admin

-adminID : int
-password: String

-firstName : String
-lastName : String
-emailAddr : String
-homeAddr : String
-phoneNum : int

+createCourse(Dict)
+createUser(Dict)
+createSection(Dict)

+removeCourse(Course)
+removeAccount(User)
+removeSection(Section)

+editCourse(Course)
+editSection(Section)
+editAccount(User)

+courseInstrAsgmt(Instructor)
+labTAAsgmt(TA)

TA

-taID : int
-password: String
-gradeStatus : boolean
-maxNumAsgns : int

-courses : List(Course)
-labs : List(lab)

-firstName : String
-lastName : String
-emailAddr : String
-homeAddr : String
-phoneNum : int

+hasMaxAsgmts() : boolean

+assignTACourse(Course)
+assignTALab(Lab)

+getTACrseAsgmts() : list(course)
+getTALabAsgmts() : list(lab)
+getGraderStatus(): boolean

Instructor

-instrID : int
-password: String
-maxNumAsgns : int

-courses : List(Course)
-lectures : List(Lecture)

-firstName : String
-lastName : String
-emailAddr : String
-homeAddr : String
-phoneNum : int

+hasMaxAsgmts: boolean

+assignInstrCourse(Course)

+getInstrCrseAsgmts() : list(course)

Course

- courseID : int
- courseNum: int
- semester : String
- courseName : String
- courseDescr : String
- modality : String
- numberOfSecs : int
- credits: int
- wklyCrseSched : datetime

- instructor : Instructor
- tas : List(TA)
- sec : List(Section)

+addInstructor(Instructor)
+addTA(TA)

+removeAssignment(User)
+removeCourse()

+editCourseInfo(Dict)

+getAsgmtsForCrse()
+getSectionsForCrse()
+viewCrseInfo()
+getCrseInfo()

View Class:
Create Course

View Class:
Delete Course

View Class:
Edit Course

View Class:
Assign Instructor
Course

Lab

- labID : int
- ta : TA
- hostCourse : Course

-meets : Datetime
-campus : String
-location : String
-startDate: Datetime
-endDate: Datetime
-credits: int

+getLabTAAsgmt() : TA

+addTA(TA)

+removeTA()

Lecture

- lectureID:
- instructor: Instructor
- hostCourse : Course

-meets : Datetime
-campus : String
-location : String
-startDate: Datetime
-endDate: Datetime
-credits: int

+getLecInstrAsgmt() : Instructor

+addInstructor(Instructor)

+removeInstructor()

<<interface>>
Section

+getID() : int
+getParentCourse(): course

View Class:
Assign TA Section

View Class:
Edit Section

View Class:
Delete Section

View Class:
Create Section