Interface Parent Class

Dependency: Login/LogOut Class

Description: Contains all similar functions of the TA class, Admin Class, and Instructor class

Methods:

Set up usernames and passwords:
- change password
- change username
- change email

Set up personal information:
- Name
- Role

Set up contact information:
- Address
- Email address
- Phone number

Set up profile design:
- profile picture
- profile description
- online status

Reading Contact Info:
- obtain contact info

Login/Logout Class

Dependency: None

Description: provide log in and log out options

Methods:

Set up passwords/usernames:
- change passwords
- forgot passwords
- forgot usernames
- set up usernames
- set up passwords

Set up log out:
- log out option

TA Class

Dependency: Parent Class, Login/LogOut class

Description: provides all functions for TA's

Methods:

Obtaining Assignments:
- view TA assignments
- view deadlines

Obtaining Contact Info:
- view other's public contact information
- view instructor

Parent Class Methods:

Set up usernames and passwords:
- change password
- change username
- change email

Set up personal information:
- Name
- Role

Set up contact information:
- Address
- Email address
- Phone number

Set up profile design:
- profile picture
- profile description
- online status

Reading Contact Info:
- obtain contact info

Login/LogOut Class Methods:

Set up log out:
- log out option

Instructor Class:

Dependency: Parent Class, Create Assignment Class, Login/Logout Class, Create Account Class

Description: provides all functions for Instructor Class

Methods:

Assigning TA's:
- assign TA's to labs

View Assignments:
- view TA assignments
- view course assignments

Send Notifications:
- Enter emails
- Print message
- Search emails

Create Account Class Methods:

Assign Account:
- assign based on role to lab or courses

Parent Class Methods:

Set up usernames and passwords:
- change password
- change username
- change email

Set up personal information:
- Name
- Role

Set up contact information:
- Address
- Email address
- Phone number

Set up profile design:
- profile picture
- profile description
- online status

Reading Contact Info:
- obtain contact info

Create Assignment Class Methods:

Create name:
- create name for assignment

Set Due Date:
- set due date
- change due date

Set description:
- sets description of assignment

Set Points:
- sets how many points the assignment is

Set Type:
- set what kind of assignment it is (quiz, homework, etc)

Login/LogOut Class Methods:

Set up log out:
- log out option

Create Assignments Class:

Dependency: none

Description: provides functions for creating assignments for instructor

Methods:

Create name:
- create name for assignment

Set Due Date:
- set due date
- change due date

Set description:
- sets description of assignment

Set Points:
- sets how many points the assignment is

Set Type:
- set what kind of assignment it is (quiz, homework, etc)

Administrator Class:

Dependency: Login/Logout Class, Parent Class, Create Account

Description: contains all functions of Administrator Class

Methods:

Send Notifications:
- Enter emails
- Print message
- Search emails

Data Viewing
- access all data

Create Class:
- insert name
- change name
- insert class id
- change class id
- Type of class (online, in-person)

Create Lab:
- insert name
- change name
- insert class id
- change class id
- Type of class (online, in-person)

Create Account Class Methods:

Create account name:
- insert name
- set up role
- change name

Delete Account:
- delete account name from database

Assign Account:
- assign based on role to lab or courses

Parent Class Methods:

Set up usernames and passwords:
- change password
- change username
- change email

Set up personal information:
- Name
- Role

Set up contact information:
- Address
- Email address
- Phone number

Set up profile design:
- profile picture
- profile description
- online status

Reading Contact Info:
- obtain contact info

Login/Logout Class Methods:

Set up passwords/usernames:
- change passwords

Create Account Class:

Dependency: none

Description: functions to create accounts

Methods:

Create account name:
- insert name
- set up role
- change name
- user ID

Delete Account:
- delete account ID from database

Assign Account:
- assign based on role to lab or courses