Program Flow

Necessities:

Database interaction

User database

Group database

Group structure

Class name – string

Professor name – string

Meet up time – time

Group lockout possibilities

Number of classes shared

Max number of members in a group

Group acceptance possibilities

Same professor

Same class topic

Same days / times off *(possible)*

Classes:

User

Attributes:

* Name – string
* Email – string
* Password – string
* Class list – array of classes
* User level - int

Methods:

* Log in
* Log out
* Set name
* Get name
* Set email
* Get email
* Set password
* Get password
* Add to class list
* Get class list
* Set user level
* Get user level

Classes

Attributes:

* Name – string
* Subject – string
* Professor – string
* Time – time

Methods:

* Get name
* Set name
* Get subject
* Set subject
* Get professor
* Set professor
* Get time
* Set time

Group

Attributes:

* Group creator / leader – string
* Group members – string array
* Access limiter – string(?)
* Acceptance exception – string(?)
* Group ID – string

Methods:

* Set creator
* Get creator
* Set members
* Get members
* Set limiter
* Get limiter
* Set exception
* Get exception
* Set ID
* Get ID