CSE 403 ACalendar Week 6 Report
11/8/16

- Goals from last week
  Now that we've established the class structure and directory structure, we should start working on the bread and butter of our app. Specifically:
  - Connect Hibernate with AWS.
  - Set up a mocking framework (either Mockito or PowerMock) for testing the logic of our code without communicating with the database.
  - Each group member should continue working on their component(s) and should finish about 60% - 70% percent of them so that we would have enough time to prepare for the beta-release:
    - Qinrong Lin & Ruoyu Mo -- login-related API's and objects
    - Qun Zhang & Tong Shen -- event-related API's and objects.
    - Tong Shen & Ziyao Huang -- email-related API's and objects.
    - Zhengyang Gao -- message-related API's and objects.

- Progress we've made this week
  - We decided not to use Hibernate after all. Instead, we use AmazonDynamoDBClient and its API's for accessing the database.
  - Set up Mockito for testing the logic of our code without having to communicated with the database.
  - Fixed the AWS credentials issue (previously we exposed our AWS credentials in the code). Now we can communicate with aws without exposing our credentials.
  - Finished the backend of the message-related API's and objects. We can successfully store and retrieve messages from the database.
  - Finished the email-sending procedure. Now we are able to send out emails using the email manager in our code.
  - Established about half of the workflow of our app (now users can click around in the app and go to different pages, although the pages have not been connected to our backend API's yet.).

- Plans & goals for next week
  - We are currently having some problems with enabling our frontend client to call our backend API's using lambda. We've been working on this for a few days now trying to resolve it. Ruoyu Mo and Tong Shen will continue working on this in the coming week and hopefully get it fixed quickly.

- ○ Qinrong Lin, Ziyao Huang, and Zhengyang Gao will work on adding more pages (roughly correspond to activities) to our front end (our goal is to fully establish the workflow of the app).
- ○ Qun Zhang & Tong Shen will work on events-related modules (both frontend and backend). The reason why they will work fullstack is that the events module is the bread and butter of our project, and we would like to reduce inconsistencies and miscommunications as much as possible.
- ○ Make sure that we get a decent amount of work done for our beta release and prepare for the beta presentation next week.