Status Report for Senior Project: MeetMeet

Accomplished Project Goals:

* The core structure of the server has been set up and should require very little, if any change from this point forward.
* The database set up completely and should not require any additional changes at this point.
* App-side REST GET and POST commands have been implemented and tested, we are able to successfully communicate with the server to post and retrieve data. These may require minimal changes as we update our web API.

In Progress Project Goals:

* The Graphical User Interface is currently being worked on by three team members and significant progress has been made. We currently have a login screen, sign up screen and a prototype matching screen, we still require a profile screen and a profile setup screen. We are currently working to integrate the GUI with the application code.
* We are working on some very simple user authentication.
* We have successfully gotten geolocation data from the mobile device and successfully retrieved geolocation data from the server. We’ve correctly calculated the distance in miles and kilometers between two given locations. We are currently working on matching it to other users in the same area.

Not Started Project Goals:

* After unsuccessfully trying to implement an AWS messaging solution, we have moved on to Google Cloud Messaging. We are currently working on gaining access to the necessary keys that we need to use this service and then we will begin to implement it. Although we have only recently started to look into this, we feel that it was necessary to move on from the AWS messaging service. If this also fails to be usable, we will implement a messaging service ourselves, but this will be a last resort and it will likely require a lot of additional resources, both from our server and from the user’s device.
* An app-side REST DELETE command was recently requested by some team members, this likely will take very little time to implement.

Failed Progress Goals:

* We spent a great deal of time over spring break attempting to integrate Amazon Cognito, but we have ultimately been unsuccessful in that regard. Cognito would have allowed us to use some AWS services that are otherwise unavailable to us, such as messaging. After spending a fairly large amount of time trying to understand and implement Cognito (being mostly unsuccessful), we decided it would be better to spend our time in other areas and we could simply look for an alternative messaging service.

Overall Project Completion:

We feel that we have most of the groundwork required to make this project a success, with the biggest unknown being the messaging service. At this point we are getting close to basic functionality (geolocation matching, account creation, profile viewing) but some of the more advanced features, such as messaging, are still missing.

It’s difficult to put the project completion to a percentage, but based on the number of things we have accomplished and started, we seem to be around halfway finished.

Project Completion: 50%

We still feel that we can finish the project on time, but it may require some additional effort from all members of the team.