**Grade: 8.5 / 10**

**Group**: 404 Name Not Found

**Group Members**: Vince Seely, Junsu Jeong, Patrick McCullough

**Topic**: Router two step authentication

/\*\* This sounds like your project is very small and only involve authentication. If you are developing some application for text messaging, the project name should reflex that. \*/

**Problem**: Public routers/hotspots usually have no way of approving/denying individual people internet access, and can only approve/deny on a device by device basis. Adding the extra step of using a phone number to obtain internet access through a public hotspot will allow easier authentication and allow public hotspot owners to deny individuals access rather than only denying a certain device.

**Background**: web development and Cloud services. Wireless hotspot authentication.

**Reason for Choice**: sounded like a fun project that interacts with some interesting tools that are used in real world jobs. This is also something that has interested Vince in the past. We expect to learn how to send texts using android, learn more about HTML and JavaScript, and use a Raspberry Pi to interact with a router.

**Scope**: UI for the webpage Texting application for android platform only (We only have the capacity to develop applications for android). Possibly sending packets to azure service and receiving said packets on phone.

**-1**:

/\*\*You must be more specific about the features you are going to have for this application. From the description above, I feel that the project maybe too small for 3 people to work on the whole semester. I wanted to see how many requirements you can come up with in the next phase. \*/

**Constraints**: We may not be able to figure out how to send text messages, and will not bother with it if it becomes too much of an issue. If receiving authentication from a cloud service is not possible that may also be skipped.

**-0.5**:

/\*\*Remember, you need to have a Beta version at the end of the semester and demo. The constraints here should be the features that will not be included in your project. \*/