**Group**: 404 Name Not Found

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

**Topic**: Router two step authentication

**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.

**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.