

SE/EE/CPRE 491

Project Title: Economic Home Security System

Group No: 42

SD-MAY20 - Group 42

Weekly Report 5

TEAM MEMBERS:

Uma Abu

Andrew Tran

Sohum Sawant

Kamini Saldanha

Merin Mundt

Lucas Jedlicka - Project Lead

Weekly Summary:

We received the server from ETG and set up SSH.

Past Week Accomplishment:

ETG delivered the server machine. We placed it in the senior design room, and hooked it up to the network. The SSH server was very restricted, so we had to learn about `/etc/hosts.allow` and `/etc/ssh/sshd_config` to allow the team in. The simple way would be to configure the server to allow all connections, but this is not secure. Instead I whitelisted each team members VPN hostname, and the `linux-*.ece.iastate.edu` boxes. This means they can add their computer's hostname to the list by SSH tunneling through the remote linux boxes. I will guide the team through setting up access for their machines. This machine will be used to host our prototype application for demonstration purposes.

Pending Issues: Get feedback from our faculty advisor and client about our design document.

Individual Contributions:

Name	Contribution	Hrs this week	Total hrs
Uma Abu	I did more research into motion detection on the front end. Looking into more libraries I can use for detections.	2	13
Lucas Jedlicka	I got the server from ETG and configured it so that other	3	15

	members of the team can SSH into the server.		
Sohum Sawant	I spent a few hours learning python and worked on the component diagram.	2	12
Merin Mundt	Updated Case diagrams, talked about prototype. Got sick and worked on failing exams.	3	12
Kamini Saldanha	Unfortunately, did not get to work on as much as I liked to. However, I did some research on how to get started with our prototype. Got my student hostname which is kaminis-mbp-2.student.iastate.edu	1	13
Andrew Tran	Worked on using the camera2 API to access the device camera for our Android prototype. Still have a lot of design work to complete.	2	15

Plans for the upcoming week: Update our design documents with information acquired from our advisor.