

SE/EE/CPRE 492

Project Title: Economic Home Security System

Group No: 42

SD-MAY20 - Group 42

Weekly Report 1

TEAM MEMBERS:

Uma Abu

Andrew Tran

Sohum Sawant

Kamini Saldanha

Merin Mundt

Lucas Jedlicka - Project Lead

Weekly Summary:

We focused on setting up both the schedule for this semester to work on the project implementation and began working on setting up our environment and implementation.

Individual Contributions:

Name	Contribution	Hrs this week	Total hrs
Uma Abu	Over the past two weeks, I have created our react front end application, set up routing for the application, connected camera module to the application to ensure we can access camera from a cell phone. I also started working with Tensorflow.js to see if I can start doing image detection on the frontend. I also researched browser notifications on the frontend as well.	4	4
Lucas Jedlicka	Scrapped RHEL on the server, replaced with Ubuntu. Began multi-stage docker front end for CI/CD pipeline. Front end pipeline is react.js > node.js compile > static NGINX webserver. Completed the CI/CD pipeline for front end such that all master branch deployments are compiled	4	4

	and deployed on the server. This docker container will also serve static files such as video clips.		
Sohum Sawant	Over the past two weeks, I have been working on finalizing our database schema and researching into how to create a REST API in python. I have also been looking into the Django framework and creating some experiments in python.	4	4
Merin Mundt	Looking at ways to send streams from our security system to the database. Working on picking up python as well.	2	2
Kamini Saldanha	Last week, I met up with Andrew and Sohum to go through a Python tutorial together. Sohum and I worked together to come up with a more robust and efficient database design after the research we went through last semester. This week, I had a really bad flu and was not able to do much work.	3	3
Andrew Tran	I have started a new Django REST project after reviewing the design and tutorials chosen during the design last semester.	4	4

Plans for the upcoming week:

- Present database schema to our advisor for approval and begin initial set-up.
- After database approval, finalize on scope and requirements and begin REST API.