

## sddec20-11: Dash Cam Defender

Week 1 Report

August 17 - August 30

### Team Members

Evan Timmons — *Team Leader*

Ismael Duran — *Full Stack Developer*

Danny Yip — *Head Test Engineer*

Cobi Mom — *Chief Mobile Engineer*

Durga Darba — *Head Data Engineer*

Scott Vlasic — *Head Hardware Concept Engineer*

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### Summary of Progress this Report

Dashcam Defender™ Hardware Team - Scott & Evan

- Defined what we would be focusing on for the rest of the semester
- Made development plan for newly ordered hardware
- Reviewed past work materials and revised work schedule

Dashcam Defender™ Database Team - Durga

- Began designing backed tables to account for video storage
- Reviewed last semester's completed work to figure out how to continue
- Tested the old software to understand how it was previously coded

Software Development Team - Ismael, Danny & Cobi

- We met a team to communicate our plan for the rest of the semester.
- We defined our expectations our team wants for the end of the semester.
- Create a backlog of features that our team wants to have for our application

Push to the GitLab from GitHub to track it, and recall what we have done from last semester.

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### Pending Issues

Dashcam Defender™ Hardware Team - Scott & Evan & Durga

- Missing hardware components from the ETG
- Figuring how to power the Jeston via 12 V power connection in the car

Dashcam Defender™ Database Team - Durga

- Connect backend database to s3 bucket
  - Design tables in tables to account for this new feature
  - Set up a queue to send and receive data from hardware and software.
  - Contact ETG about setting up an AWS account.
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### Plans for Upcoming Reporting Period

Dashcam Defender™ Hardware Team - Scott, Evan & Durga

- Utilize newly ordered ETG parts
- Start general testing of OpenALPR software
- Begin development of video upload system (embedded on board)

## Dashcam Defender™ Database Team - Durga

- Contact ETG about setting up an AWS account
- Figure out how to communicate how to get information from the backend database to other subteams
- Begin setting up the queue to upload videos.

## Software Development Team - Ismael, Danny &amp; Cobi

- Figure out how to communicate our mobile app with the database and server
- Try to make sure the login page is working properly after it is connected with the server
- Clean up GitHub and get the mobile application running on iOS
- Discuss with the database team on how we are going to collaborate.

## Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Evan Timmons	Reviewed all past semester's work and then created a broad outline for the upcoming semester. Contacted the ETG about parts ordered last semester. Began investigation into NVIDIA Jetson embedded software development.	12	12
Ismael Duran	For this first two week, we caught up where we left. Discussed how we want to continue with this project. In addition to planning out the rest of the semester	12	12
Danny Yip	Schedule a meeting with the whole group to discuss our general plans and approach in the rest of the semester. Besides, meeting with subgroup to discuss our what do we have to work on the software parts, how are we going to connect it to database, and what user interface is missing on the mobile application	12	12
Cobi Mom	Regrouped as a team and reviewed current project status when it comes to the Mobile Application. Discussed roadmap and goals as to what we want to accomplish this semester.	12	12
Durga Darba	For this first, we all met to plan out and plan for how this semester is going to look. We planned out how we are going to do connect hardware and software together. I planned around their requirements to start mocking up a database.	12	12
Scott Vlastic	For the first week, we established the direction we wanted to go for the rest of the semester. I will be focusing on Evan to make sure the hardware is up to our standards and will maintain contact with the ETG to ensure we get the parts we are missing.	12	12