

sddec20-11: Dash Cam Defender (Working Title)

Week 4 Report

March 1 - March 15

Team MembersEvan Timmons — *Team Leader / Client*Ismael Duran — *Full Stack Developer*Danny Yip — *Head Test Engineer*Durga Darba — *Head Data Architect*Scott Vlasic — *Head Hardware Concept Engineer*Cobi Mom — *Chief Mobile*

Summary of Progress this Report

Dashcam Defender™ Hardware Team - Scott & Evan & Durga

- Configured Nvidia Jetson to work with OpenALPR
- Spent copious time attempting to configure onboard camera
- Decided on hardware specifications for monitor and camera
- Ordered webcam with manual focus that works with Ubuntu
- Ordered 7 inch monitor to work with Nvidia Jetson

Software Development Team - Ismael, Danny & Cobi

- Spent most of the time looking for a better template
 - Figure that which template is more suitable for our mobile application
 - Split some mobile UI interface so that each of us have to figure out how it works
 - Everyone in the software team submit a UI page that they chose to work on
 - Discuss about database design
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Pending Issues

Dashcam Defender™ Hardware Team - Scott & Evan & Durga

- Affirm order confirmation
- Bring order to ETG

Backend Configurations

- Work with Software team on database design
 - Create fleshed out API
 - Connect the hardware to backend
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Plans for Upcoming Reporting Period

Dashcam Defender™ Hardware Team - Scott & Evan & Durga

- Configure the new USB camera with the Jeston and OpenALPR
- Test software on the device
- Test various hardware settings/configurations

Software Development Team - Danny, Ismael & Cobi

- Decide which template is more suitable for our mobile application
- Integrate all pages of the application together
- Test the functionality of the mobile app

- Connect the mobile application with a database to get a user account setup

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Evan Timmons	Received Jetson TX2 and began configuring the board. Spent time working on configuring the built in camera. Researched peripherals with the hardware team and sent order list to Dr. Zambreno.	14	52
Ismael Duran	Worked with the software development team to start up the mobile application. We implemented our templates and started layout designs.	12	49
Danny Yip	Work on login page and sign up page, include some animations and some themes to make it looks better. Include templettes and done the car selection page.	12	51
Durga Darba	Worked with Evan and Scott and began working on connecting the webcam to the Nvidia Jetson through USB. Got Postgres on my laptop and began trying to connect to the database.	12	50
Scott Vlastic	Worked with Evan and Durga to configure/test the Nvidia Jestson TX2. Met wth the hardware team to discuss what additional parts we need to order	14	51
Cobi Mom	Created the mode selection screen when initially entering the mobile application. Modified the settings bar to conform to our application needs.	12	51

Gitlab Activity Summary

Nothing to report.