EE / CprE / SE 491 – sddec18-12

360 Webcams for Zoos and Aquariums

Week 10 Report: 2018.04.01 - 2018.04.14

General Information

Client: True 360 (Christopher James)

Faculty Advisor: Dr. Henry Duwe

Team Members:

Name	Primary Role	Secondary Role(s)
Nathan Cool	Front-End Engineer	Project Manager, Webmaster
Zach Newton	Front-End Engineer	Scrum Master, QA
Ian Jamieson	Back-End Engineer	Graphics Lead
Alan Negrete	Back-End/Database Engineer	Scribe, QA
Tarek (TJ) Yacoub	Embedded Engineer	Communication Lead, QA
Hosam (Sam) Abdeltawab	Embedded Engineer	Software Architect

Weekly Summary

This report covers the past two weeks. As the semester continues to wind down, our team's main areas of focus have been on finalizing documentation and continuing development work in order to satisfy as many of our client's requirements as possible before we transition to summer.

Past Week Accomplishments

Nathan: Worked with Zach on front-end development. After some discussion, I turned my focus to implementing a front-end testing suite using Jest. Additionally, as the end of the semester is approaching, I worked on the final version of our project plan and our final presentation slides.

Zach: Worked with Nathan on getting front-end tests rolling. Worked with TJ on pulling him onto the front-end team to get more hands on deck. Began work on more reusable components. Worked with Alan and TJ to decide how to register a new user or device;

Ian: Working on API Testing and investigating machine learning options for Fall 2018.

Alan: Invites system for registering new users. Created a model, controller and routes for creating new invites for a given email. Also included security & duplicate checks

TJ: Completed the communication interface between the Admin Portal and the camera controller. The prototype was demoed to our client and was approved

Sam: Tested the Raspberry Pi as a WiFi access point, and it worked.

Recent Group/Client/Advisor Meetings

Date, Time, Location	Participants	Details
2018.04.02, 13:15 - 14:45, Atanasoff 223	Group + client	General meeting
2018.04.05, 15:30 - 16:30, Coover 3138	Group + advisor + client	General meeting
2018.04.09, 13:15 - 14:45, Atanasoff 223	Group + advisor	General meeting
2018.04.12, 15:30 - 16:30, Coover 3138	Group + advisor + client	General meeting

Pending Issues

Nathan: Due to my shift in focus to front-end testing, I need to work on learning Jest.

Zach: N/A

Ian: Need to think about what test cases to implement.

Alan: None right now.

TJ: This might be a little early, but i have been thinking about how we can push updates to camera controllers that have already been shipped to clients.

Sam: Archiving videos/streams efficiently.

Individual Contributions

Name	Individual Contributions	Hours This Week	Total Hours
Nathan Cool	SEE PAST WEEK ACCOMPLISHMENTS	12	100
Zach Newton		13	88

Ian Jamieson		9	81
Alan Negrete		8	81
Tarek (TJ) Yacoub		11	85
Hosam (Sam) Abdeltawab		8	81

Upcoming Plans

Group: Once our final documentation (project plan, design document, and final presentation) is completed, we will practice our final presentation for our advisor in order to receive constructive feedback.

Nathan: Continue work with Zach on front-end development (focused on testing) and work with the rest of the team to finalize documentation and presentation materials.

Zach: Complete all reusable components needed by TJ and I to implement the Device List/Registration views and user invite code registration. Implement invite code generation and user registration in the client.

Ian: Working on the API testing for the backend. Also working on the project plan.

Alan: Finishing the registering new users portion of Invitation system. Then start working on websockets communication with Pusher.

TJ: Wait for backend and frontend to complete their part of the communication interface to test everything working together

Sam: Look for an efficient way to archive videos/streams correctly.