Bi-weekly Report 6

Team Members:
Lucas Jedlicka - Lead Engineer DevOps
Uma Abu - Frontend
Merin Mundt - Frontend
Kamini Saldanha - Backend
Sohum Sawant - Backend
Andrew Tran - Backend

Bi-weekly Summary: We are gradually wrapping up our project focusing on the end to end scenarios and polishing the code. We are also working heavily on the presentation and the poster running them by our client for reviews.

Open   5 +

Status Report 6 - 04/16
#94

Personal user interface
#72

Motion Detection on Backend
#82

Object Detection on Backend
#83

Use uWSGI to deploy python instead of the development server
#65

To Do   6 +

Create Node.js WebRTC server
#89

Field validation on frontend
#87

Video Streaming in Backend
#54

Endpoint exposing all streams for a given userid
#79

View clips on client
#77

Send streams on frontend
#71

Doing 🗑 📋 6 +

Status Report 5 - 04/02
#44

Create final poster
#91

Create Final Presentation
#95

Store clips on server
#76

Video Streaming in Frontend
#50

CI/CD for backend
#66

Closed 📋 78

Endpoint for removing user's clip
#81

Endpoint for adding user's clip
#80

Strip aiortc from Django
#90

Attain public IP address for server.
#88

Send emails with Python backend
#93

Create a wiki
#70

Spike: Web application to stream data video from the phone.
#2

Peer demo/video
#86 📅 Mar 18

Write CRUD Tests for Simple API
#49

Past Iteration Accomplishments:

Lucas Jedlicka: Websockets are a dumpster fire. Medooze builds on Ubuntu 18.04 on my VM, but when I clone the exact same project on our deployment server with Ubuntu 18.04, the same instruction set, and the same version of node and gcc, the project fails to build. I want to be done with this project. I can't containerize it because it refuses to build in docker too.

Uma Abu: I worked with Lucas to set up video recording on the server side. I intergrated the websockets connection to our motion detection as well. If motion is detected the stream is sent to the server and will be stored in the server. I created issues in the github page of the media server because streaming was not working and I am still waiting to hear back.

Merin Mundt: I am working on finishing up the clips. Making sure they appear in gallery view along with a short description of where the clip is coming from in time. I need to reach the endpoint for the clips that andrew has set up. I am also working on the poster with Andrew.

Kamini Saldanha: I am working on researching other final presentations and seeing what new content is required. I am also working on putting information from our presentation last semester into our presentation this semester.

Sohum Sawant: I am currently working on completing our final presentation and working on completing our final report. The goal is to have both of these done by the end of this week so that we can work with our advisor to revise them and have them ready to submit on time.

Andrew Tran: Working on completing the poster contents and will continue to make revisions to improve the final poster.

Pending Issues (optional):
Lucas Jedlicka: N/A
Uma Abu: N/A
Merin Mundt: N/A
Kamini Saldanha: No issues.
Sohum Sawant: N/A
Andrew Tran: No issues.

Individual Contributions:

Name	Contribution	Biweekly hours	Total hours
Uma Abu	● Connect the frontend to back end via websockets ● Set up video recording with Lucas on the server side. ● Created issues with media server github page on why streaming is not working	6	66
Lucas Jedlicka	● Get clips recording on VM copy of project ● Fail to deploy to server ● Literally identical operating systems, one fails to build a node project	6	66
Sohum Sawant	● Worked on the final presentation. ● Final Report	6	59
Merin Mundt	● Final poster ● Clips page ● Reaching the clips endpoint	3	48
Kamini Saldanha	● Final Presentation	6	55
Andrew Tran	● Poster	6	69

Plans for the upcoming iteration:
Lucas Jedlicka: Damage control. Deployment won't work, so figure out an alternative.
Uma Abu: Polish the front end to show our continuous end to end simple scenerio.
Merin Mundt: Getting the clips to preview on the UI with timestamp description about the clip
Kamini Saldanha: Finish the presentation by the end of this week and show it to Goce for approval and tips. Start working on the other assignments like the design document.
Sohum Sawant: Work with Kamini to finish the final presentation and the final report.
Andrew Tran: Work on the final poster and syncing with frontend.

Summary of Advisor Meeting:

We showed our advisor our poster and our presentation from last semester and asked him for feedback. He said that not much had to be changed from our previous semester presentation.

He also gave us tips on how to present and what the judges will be looking for. However, he was mostly more concerned with our health and safety during this pandemic :)