

CPRE 492 Bi-Weekly Report

Report Weeks: Jan 25th - Feb 8th

Group Number: 16

Project Title: Cloudflare WAF AI

Client/Advisor: Cylosoft; Dr. Yong Guan, Dr. Berk Gulmezoglu

Team Members:

Ryan Burgett: Meeting Leader

Giovanni Mejia: Report Manager

Jordan Heim: Documentation Manager

Eric Reuss: Documentation Manager

Presiiian Iskrenov: Meeting Scribe

Benjamin Fedderson: Stakeholder Correspondent

Summary:

Overall we have been discussing various algorithms for our AI portion of the project. After a little bit of research and our first faculty meeting, a decision tree or short/long term memory for machine learning would be the best bet. During winter break, Ben Fedderson was working on the Console application and Database. He's been discussing with Andrew (our client) about what specifics are needed in the Application and Database. Moving forward, we would like to determine what algorithm we can choose to use for our project and finalize the versions of our Console Application and Database.

Past weekly Accomplishments:

We also have broken down into two groups. Ryan and Ben will be focusing on the final touches with the Application and Database, while the rest of us will be focusing on the AI portion of our project. Earlier this week, Tuesday, we met as a group and set that as a date for our weekly meets. It was a little refresher to get everyone up to board on various things and what is needed as we progress throughout the semester. Ben was able to keep us updated on all the things he had worked out throughout winter break. There have been various versions of the Database and Application as things are being developed with our Client. As the semester progresses we will have more checked off on our list in terms of AI implementation and finalization of the Console Application and the Database.

Pending Issues:

A small thing that was brought up during our first faculty meeting was the significance and importance of AI. There are certain things our client requires that may not need AI software. Like we discussed in the meeting, we do not want to abandon the idea of AI. We just want to see what parts of our project will depend on the AI and what functions can be implemented as hard code. It's not a huge issue, but it is something that we would like to explore further as a group.

