CPRE 491 Weekly Report #4

Team 37

Project Title: AI-assisted Software Tool to Visualize Flood Forecasting with Water Routing

Date: 10/20/2021

Members:

-Individual 1 – Ani Manjunath

-Individual 2 -Siyu Wang

-Individual 3 - Kylus Pettit-Ehler

-Individual 4 -Eric Korneisel

-Individual 5 - Gabriel Rau

-Individual 6 - Ryan Thompson

-Individual 7 -Quinn Conrad

What we've accomplished in the past week/what we've been researching

-Individual 1 – Figured out that QGIS was the software we want to focus on. Looked into full-stack software.

-Individual 2 - researched on QGIS, try to figure out the use of QGIS

-Individual 3 - Look into QGIS as a solution for our project.

-Individual 4 - Research QGIS and how to use it for our project. Trying to look more into viable data sources for our project.

-Individual 5 - I have accomplished setting up a database locally and finding open source technologies for hosting GIS information

-Individual 6 - Found suitable NOAA data that could be used. d

-Individual 7 - Researched camels data set and discussed its viability with the client

What we're planning to do in the coming week

-Individual 1 – Get QGIS set up and try to divide tasks and learn about the software.

-Individual 2 - Figure out how data can be represented by QGIS. Do more research on how we can utilize QGIS to meet the project goals.

-Individual 3 -Do some experiments with QGIS. Try to figure out how to apply it to our project, start working with backend stuff

-Individual 4 -Get the system set up and begin researching how to implement our solution using QGIS

-Individual 5 - I plan to continue trying to get a working demo. Once that is finished I want to try and get data from clients and start looking into how we can divide work up to individuals.

-Individual 6 - QGIS experimentation and development.

-Individual 7 - Start researching qGIS

Issues we had in the previous week

-Individual 1 – None

-Individual 2 -None

-Individual 3 - No real issues

-Individual 4 - None

-Individual 5 - I've had some issues with trying to get the geom objects saved in the database translated into JSON objects to be viewed with a library called Leaflet.js

-Individual 6 - None

-Individual 7 - None