Team 37

Project Title: AI-Assisted Software Tool for Flood Forecasting with Water Routing

Date: 10/27/2021

# 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 – I've been looking into Leaflet.js and interfacing with QGIS. I found a plugin to make a web-based map through QGIS.

-Individual 2 - Set up QGIS, get iowa watershed shapefile imported, but didn't figure out how to edit on the map.

-Individual 3 - Try setting up QGIS. Look into QGIS tutorials and figure out how we will use QGIS for our project. Start to look at setting up backend tutorials.

-Individual 4 - Working on and experimenting with QGIS to get ready to implement the project

-Individual 5 - I finished the demo with QGIS for client to demonstrate a proof of concept with creating map in QGIS and serving it via PostGIS, PostgreSQL, and an apache webserver.

-Individual 6 - Started on setting up an apache server to support QGIS

-Individual 7 - Started researching QGIS

# What we're planning to do in the coming week

-Individual 1 – Experiment with the qgis2leaf plugin and see if I can get it working with a basic map.

-Individual 2 -try to find more resources for how to use qgis and do experiments on it.

-Individual 3 - Continue experimenting with QGIS, look at various tutorials. Also start to look at how backend will work with frontend.

-Individual 4 - Continue experimentation

-Individual 5 - Start thinking about stories to create for the project so we can assign tasks to each team member.

-Individual 6 - Continue with QGIS exploration and test development.

-Individual 7 - Continue experimentation, hopefully setup some kind of working demo

## Issues we had in the previous week

-Individual 1 – Trying to get Leaflet.js to work with QGIS.

-Individual 2 -None

-Individual 3 - No real problems

-Individual 4 -None

-Individual 5 - No issues

-Individual 6 - Some dumb stuff with apache and server hosting on windows machines. Got it sorted out.

-Individual 7 - None