Team 37

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

Date: 10/13/21

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 – Looked into Google API integration and costs

-Individual 2 -looked into Prism data and model for the project and research on the camel dataset

-Individual 3 - Looked a bit at CAMEL dataset

-Individual 4 - Looked into arcGIS for the project

-Individual 5 - Tried to make a demo for QGIS to postgreSQL.

-Individual 6 - Looked into the NOAA public dataset used for predictions as well as the open source data that they used.

-Individual 7 - Started researching viability of camels dataset

What we're planning to do in the coming week

-Individual 1 – Research QGIS and CAMEL dataset to see how we can apply Maps API with them.

-Individual 2 -continue to find softwares which can apply to the project, research on camel dataset

-Individual 3 - Look into QGIS, experiment and figure out if how we can use QGIS / CAMEL to create model

-Individual 4 - Continue looking into map APIs

-Individual 5 - Finish demo for QGIS to web rendering for client on monday.

-Individual 6 - Start looking into the specifics of QGIS open software with Gabriel as well as find current data the NOAA is using.

-Individual 7 - Continuing researching different data sources

Issues we had in the previous week

-Individual 1 – None

-Individual 2 -None

-Individual 3 - No real issues

-Individual 4 -None

-Individual 5 - Ran into issues trying to find the best way host a QGIS project on a web-server

-Individual 6 - Had trouble finding some of the data that they posted to the main site due to dead links.

-Individual 7 - No issues