AI-VVO sdmay22-36 Weekly Update #6

11/01/2021 - 11/07/2021

Front-end(This Week)

- Continue researching react-leaflet
- Finish tutorials on implementation of OSM
- Can create map containers

```
<div id ="my-map" style = "width:800px; height:600px;"></div>
```

- Can implement "tiles" which have different overlays on the map
  - Including topological, transit, and more: https://wiki.openstreetmap.org/wiki/Tile_servers
- Can customize icons by using images:

```
let customIcon = {

iconUrl:"https://image.flaticon.com/icons/png/512/1397/1397898.png",
 iconSize:[40,40]
}
```

Front-end (Next Week)

- Implement some initial maps and test out adding a map to application
- Add Docker container for Map
- Add detail of network and data transmission

Back-end (This Week)

- Looked into different types of data that we will need to store in order to determine possible database tables
- Continued to practice using Django with Postgres to create tables and store data
- Worked with ML team on how to go about implementation of ML api
- Started proof of concept for Docker bridge network and realized that was not the right plan.
- Switch Docker focus to docker-compose and started a tutorial.

Back-end (Next Week)

- Continue to look into the current implementation to get rough idea of needed database tables
- Continue to work with ML team on how to go about implementing the ML api
- Finish docker-compose tutorial.
- Start docker-compose proof of concept.

Machine Learning (This Week)

- Started reading into some of the research papers provided on the Google Drive.
- Considered how the information applies to our project. (How we could use the information to our advantage)
- Discussed communication from the ML application and the backend.

Machine Learning (Next Week)

- Continue reading the research papers on Google Drive.

- Look into how to sanitize and utilize the grid data provided to us.

- Finalize a plan for the communication of data to the backend.