



Team Goals





Eco Location Project Status

Morning, Saturday November 5, 2022

Team Goal:

-Create a Website that will connect Organizations in support of environmental efforts with the people they're looking to fund.

Current Progress:

- -Website Structure Blueprint Completed 🗸
- -Home Page Wireframe Completed 🗸
- -Home Page Front End In Progress
- A SQL server connection between Backend and Front End

-Prototyped w/ simple credentialing

Current Tasking:

- -Wireframing Khadar Coleman
- -Home Page Front End Govnor Payne
- -Announcements Page Front End Khadar Coleman
- -Login and Registration Page Front End Govnor Payne
- -Backend Collaborative Effort

Future Tasks:

- -Backend to store credentialing and profiles, utilizing Javascript
- -Login and Registration Page Wireframing
- -Login and Registration Page Front End
- -Announcements Page Wireframe

Eco Location Project Status

Evening, Saturday November 5, 2022

Team Goal:

-Create a Website that will connect Organizations in support of environmental efforts with the people they're looking to fund

Current Progress:

- -Website Structure Blueprint Completed 🗸
- -Home Page Wireframe Completed 🗸
- -Google Cloud SQL setup Completed 🗸
- -Home Page Front End In Progress
- -A SQL server connection between Backend and Front End

-Prototyped w/ simple credentialing - In Progress

Current Tasking:

- -Wireframing Khadar Coleman
- -Home Page Front End Govnor Payne
- -Announcements Page Front End Khadar Coleman
- -Login and Registration Page Front End Govnor Payne
- -Backend Collaborative Effort

Future Tasks:

- -Backend to store credentialing and profiles, utilizing Javascript
- -Login and Registration Page Front End

Eco Location Project Status Morning, Sunday November 6, 2022

Team Goal:

-Create a Website that will connect Organizations in support of environmental efforts with the people they're looking to fund.

BACK

Current Tasking:

- -Front End Govnor Payne
- -Login and Registration Page Front End -

Govnor Payne

-Backend - Khadar Coleman lead, collaborative

- -Website Structure Blueprint Completed V
- -Wireframing Completed ✓
- -Google Opud SQL setup Completed V
- -Home, Announcements, and Login Page Front End-

Completed V

- -RESTful API w/ APACHE server connection
- Ulizing mySQL and PHP- Completed 🗸
- Backend User Credentialing system w/ End User
- security levels- Completed \checkmark

Future Tasks:

- Merging of Backend and Front End- In progress
- -Registration Page Front End In progress

effort

Mr Roger's 20 Min Neighborhoods

- We've learned to use Google API Platform!
 - Able to tell us the time it takes to get from one destination to another
 - Able to allow the user to input their mode of transportation: Walking, driving, bicycling

Next Goals:

- Have the ability to find a restaurant in within 20 min of a set location
- Start on the readme.md file for proper documentation

Blocker:

Need help using the API to find specific places on google such as restaurants

Mr. Roger's 20 Min Neighborhood Progress

Achieved Goals:

Setup Google Map API credentials and install Google Maps python pip library

Got Routes API, Places APIs, and other methods to find multiple results of places nearby

Used python library googlemaps with built-in API calls to simplify API calls.

Parsing the JSON return structure to extract the information we need to build out a database

Next Goals:

Writing code design and pseudocode for whole program. Defining modularity

Work on computing the results of places within 20 minutes depending on transportation mode

```
import os
import requests
import googlemaps

API_KEY = (os.getenv("API_KEY"))
FIND_PLACE_TEXTQUERY = "textquery"
FIND_PLACE_PHONENUMBER = "phonenumber"
gmaps = googlemaps.Client(key=API_KEY)

(destination_addresses: ['New Jersey, USA', 'Ohio, USA', 'California, USA'], 'origin_addresses: ['New Jersey, USA', 'Ohio, USA', 'California, USA'], 'origin_addresses': ['New Jersey, USA', 'Ohio, USA', 'California, USA'], 'origin_addresses': ['New Jersey, USA', 'Ohio, USA', 'Ohi
```

t': 7 hours 5 mins', value: 25496}, 'status': 'OK'), { 'distance': {'text: ' 4,48 2 km', 'value': 4548768}, 'duration': {'text': ' 1 day 18 hours', 'value': 156554}, 'status': 'OK'}], 'status': 'OK'}, { 'candidates': [{'place_id': 'chIJN68h5T8ruIcRMaRMd144cvU'}], 'status': 'OK'} { 'ntm. attributions': [], 'result': {'address_components': [{'long_name: '301', 'short_name: '931', 'types: '[street_number']}, { 'long_name: 'west Main Street, 'short_name: 'W Main St', 'types: ['route']}, { 'long_name: 'Independence', 'short_name: 'Independence', 'types: ['locality', 'political'], { 'long_name: 'Montgomery County', 'short_name: 'Montgomery County', 'short_name: 'Montgomery County', 'short_name: 'Ks', 'types: ['administrative_area_leve_l2', 'political'], { 'long_name: 'Ks', 'types: ['administrative_area_leve_l2', 'political']}, { 'long_name: 'Nort_name': 'Short_name': 'S', 'types: ['administrative_area_leve_l2', 'political']}, { 'long_name: 'Short_name': 'S', 'types': ['administrative_area_leve_l2', 'political']}, { 'long_name: 'Short_name': 'S', 'types': ['administrative_area_leve_l2', 'political']}, { 'long_name: 'Short_name': 'S', 'types': ['administrative_area_l2']}, 'administrative_area_l2', 'long_name': 'Short_name': 'S', 'types': ['ad

Mr Roger's 20 Min Neighborhoods

Achieved goals:

Wrote a README file for our git repository, to be updated as needed

Activated Cloudycluster and set up an interactive session using Jupyter notebook

Work on computing the results of places within 20 minutes depending on transportation mode

Next goals:

Migrating the project to Cloudy cluster

Blockers:

Need help with migrating the project from repl.it to Cloudycluster - talked to Cole

Emote-Ping 2nd Check In

Tasks:

- Determine what bodily functions can a watch keep track of.
- Determine how to different emotions based on recorded bodily functions.

Goals:

Figure out how to

determine and

differentiate between

emotions based on

bodily functions.

Emote-ping 3rd Check In

Where we are currently!

We have identified devices
 to determine emotion based on heartbeat or temperature

What we learned:

- Apple watch tracks temperature (Specify version)
- 2. Fitbit watch tracks heartbeat

Next Goals!

- Settling on which devices are best for conveying the best emotions. (work from a current data set)
- 2. Identifying which coding language we will need to utilize (make sure that the language can communicate with the current scripts)
- 3. Work on README.md file for documentation

Emote-ping 4th Check In

Progress:

- Determined that we will focus on the apple smartwatch.
- to use swift for the backend of the application

Future Goals:

- Learn Swift using a crash course. (Spending nomore than 3 hours)
- Start the backend of the application.
- Determine the frontend design for the app.

 (design should be simple since it will be a watch application)

TEAM GENIE: Goal & TASKS

Goal:

To design a LAMMPS Granular Chute Simulation showing grains flowing into a grain silo.

✓ Task 1:

Install all necessary software on Cloudy cluster.

√ Task 2:

Run LAMMPS

☐ Task 3:

Create a job script to run LAMMPS with MPI

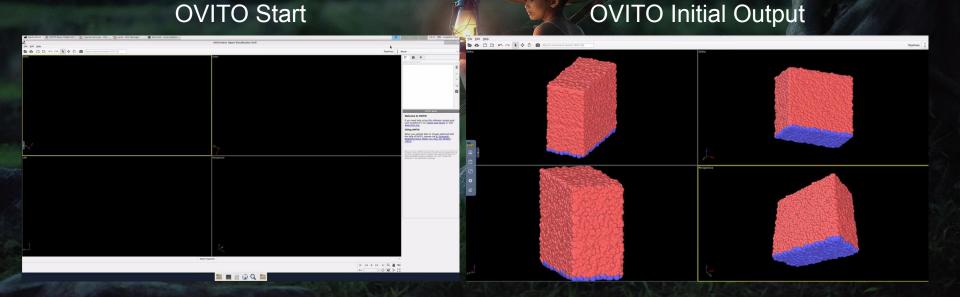
■ Task 4:

Visualize the output with OVITO

Nov. 4 Nov. 5

TEAM GENIE: 1-Day Progress

- We made our script and put in a job to use LAMMPS to create a dump file.
- Got Ovito running on our VM.
- Created a dump file from our initial data and visualized it using Ovito.



TEAM GENIE: Goal & TASKS

Project Status: We accomplished our tasks yesterday and even produced something akin to grain falling into a square silo.

✓ Task 3:

Create a job script to run LAMMPS with MPI

✓ Task 4:

Run LAMMPS

Task 6:

modify LAMMPS simulation to allow us to fit cylindrical walls in a rectangular cuboid.

☐ Task 5:

Modify our simulation to make our spheres act and/or look more like grain

□ Task 7:

Start work on our final presentation

Nov. 5

Nov. 6

Bio-Sensing Dashboard

Team goal: Create an online dashboard to visualize data collected at the two

sensor locations.

Task 1: Create Structure of Dashboard without Data

Task 2: Map of Sensor Locations that Link to Sensor Data

Task 3: Add Data

Task 3.1: Generate Graphs for .csv data visualization

Task 3.2: Add a .wav audio player



Bio-Sensing Dashboard Check-in Saturday

Python - Were able to get graphs working and navigate through all our DataFrames

Web Framework - Basic, yet functional

Having trouble getting JavaScript to read our CSV file. Trying Python with it, but not looking great so far.

Next step: Cloudy Cluster



Bio-Sensing Dashboard Check-in Sunday

Python - Improved the functionality. Still trying to get the html to work with python. If it doesn't get done by 3pm est, we're just gonna go back to JavaScript.

Web Framework - Basic, yet functional. Getting CSS started.

Trying Python with html, but not looking great so far.

Next step: Update the Github and README. Clean up the mess that currently resides there.





Sonar Skills



Crew Members:

- Tahmuras Pirimov
- Andrianina Raharijao
- John Cabrera
- Jonathan Kurtz

Deck Officers:

- Hector Santiago
- La Tasha Robert
- Geoffrey Reid

Team Goal:

Make observations from our data set.

Team Tasks:

- Gather requirements and Major factors to look out for.
- Analyze the data in order to answer those requirements and factors
- Learn to utilize needed tools.







Sonar Skills



Team Goal: Make a dashboard that informs on the correlation of soft skills and school performance in a student's success in the sonography program.

Crew Members:

- Tahmuras Pirimov
- Andrianina Raharijao
- John Cabrera
- Jonathan Kurtz

Deck Officers:

- Hector Santiago
- La Tasha Robert
- Geoffrey Reid

What we accomplished:

- Made a Github repository
- Setting up SQLite into Jupyter NoteBook
- Formated data sets.

Team Tasks:

- Analyze the data in order to answer those requirements and factors.
- Set up Google Cloud Platform.



Sonar Skills



Team Goal(updated): Make a multilinear regression model, in order to see which factor in a student's grade has the most weight in determining if they pass

Crew Members:

- Tahmuras Pirimov
- Andrianina Raharijao
- John Cabrera
- Jonathan Kurtz

Deck Officers:

- Hector Santiago
- La Tasha Robert
- Geoffrey Reid

What we accomplished:

• Further cleaned and reformatted the data.

Team Tasks:

- Make a regression model.
- Set up Google Cloud Platform.
- Get more information on our data set.