

# Team/Instructor Scrum #3

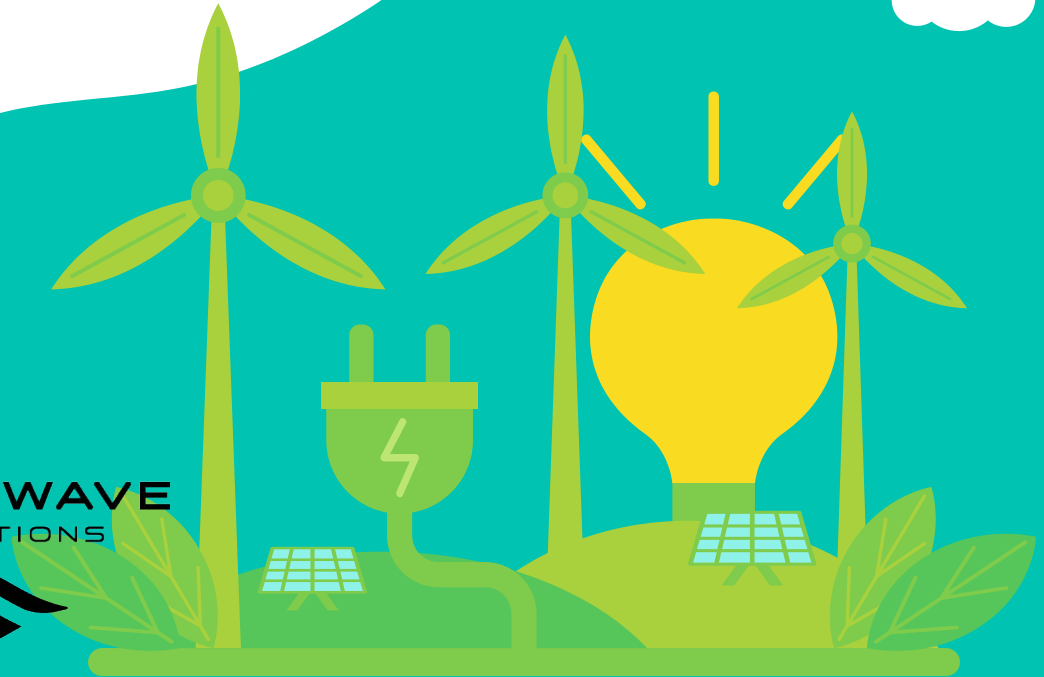
Oct. 15, 2021 - Oct. 29, 2021

## Team SolarSize

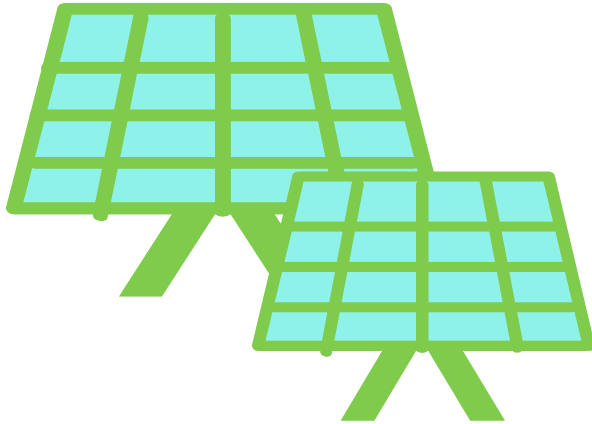
Tristan Brown-Hannibal  
Karlee Fidek  
Kaden Goski



**GREENWAVE**  
INNOVATIONS



# About This Project



- A tool that utilizes building consumption metrics and solar intensity data to calculate accurate ROIs
- Help to determine over or under generation windows and size solar generation solutions accordingly

# Project Status

## Green

- We have a good base
- We would have liked to start connecting up front-end and back-end, but feel like we're still "on track"



# Project Issues/Changes

- No issues or changes so far with the project



# Team Member Contributions

## Tristan

- Explored data visualization (ApexCharts.js, d3.js, Chart.js)
- Explored solar data APIs
- Initial class diagram

## Kaden

- Data sources and equations
- Back-end (PHP - Laravel)

# Team Member Contributions

## Karlee

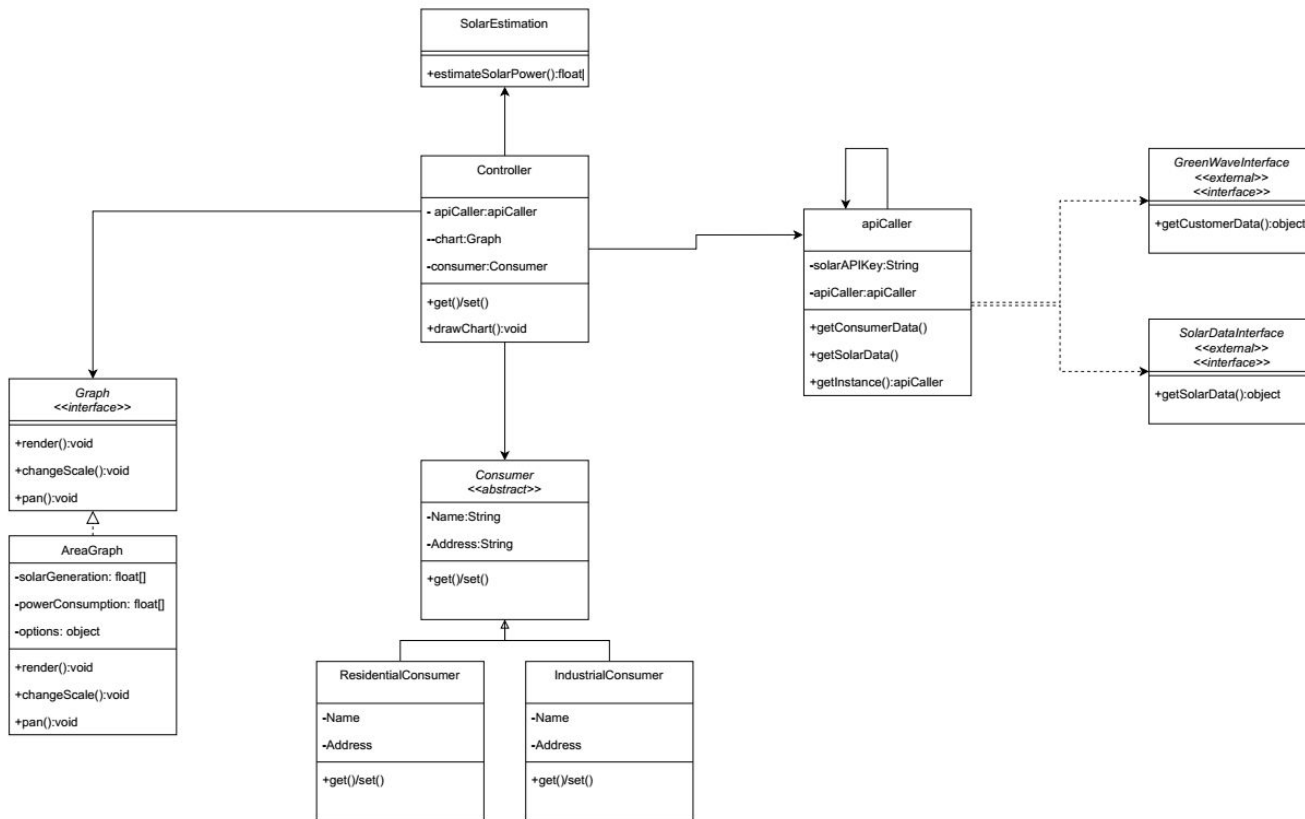
- Lo-fi UI prototypes
- Explored front-end technologies (React.js, Angular, Vue.js)
- Researched solar generation equation
- Meeting minutes

## Group

- Met with Dr. Yow
- Met with Greenwave Innovations
- Vlog #2
- Signed Greenwave capstone agreements

# Class Diagram

Class Diagram 1.0



# Area Chart Testing



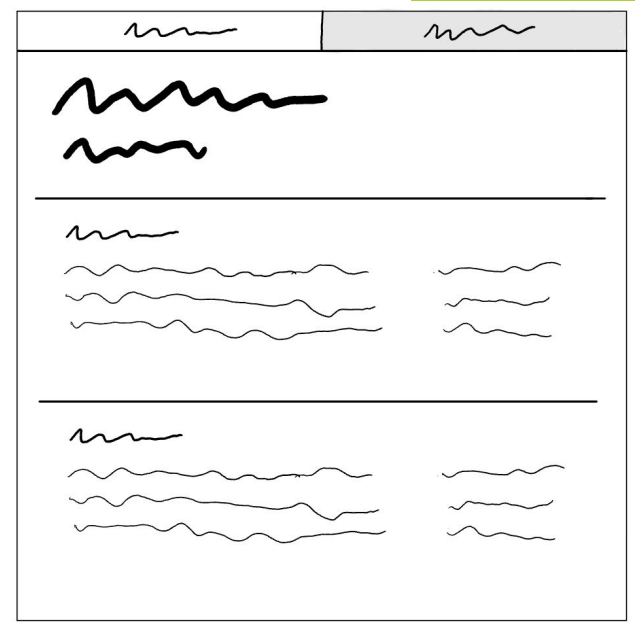


# Lo-fi Prototypes



**Generation Overlay**

## Summary Details



# Next Up

## Tristan

- Begin building data visualization (with ApexCharts.js)
- Connect visualization with APIs
- Integration with user inputs

## Kaden

- Create backend (PHP - Laravel)
- Test out data

# Next Up


## Karlee

- Gantt Chart
- Hi-fi UI prototypes
- Pick front-end technology and start experimenting with it
- Start front-end development

## Group

- Meet with Greenwave Innovations
- Meet with Dr. Yow
- Finalize solar production calculations
- Finalize solar data source decisions
- Get power consumption data from Greenwave

# Team Reflection

- **Does the team feel "on track"?**
    - Green
    - Yes, we have a good base so we feel like we are “on track”
  - **What progress does the team particularly feel good (great) about?**
    - Lots of new things to learn, we feel we’ve done well trying to figure out solar/PV’s
- 
- A decorative graphic in the bottom-left corner consisting of two overlapping wavy shapes. The top shape is a light green color, and the bottom shape is a slightly darker shade of green. They flow from the left edge towards the bottom right.

# Team Reflection

- **What barriers (if any) does the team feel are a current impediment to success?**
  - No barriers at this time
- **What help (if any) does the team require to move positively forward?**
  - None
- **What questions or concerns does the team have (if any)?**
  - No questions at this time