Team/Instructor scrum #5

Team member & project (re)introductions

A tool that utilizes building energy consumption metrics and solar intensity data to calculate accurate ROIs on solar power generation. This tool will allow customers to see how different photovoltaic (PV) systems match up to their requirements, so they can make informed decisions. This tool could also utilize this data, once installed, to ensure that the solar power generation is meeting standards, and if not, alert the customer of an issue such as snow blockages, cracks, etc. There could also be an extension into other Greenwave business domains, such as power storage sizing for cloudy days and the night time.

Roles/Responsibilities

Tristan - data representation, meeting coordinator, server/web management, back-end design

Karlee - documentation, GitHub/wiki management, front-end design, meeting minutes

Kaden - data processing/management, vlog editor, back-end design

Scrum dates

Feb. 1, 2022 - Feb. 8, 2022

Status description

Project Status - Green

We feel like we are “on track”. We are beginning to implement ROI calculations and other summary page statistics.

Team Member Contributions

Tristan - Registered for SaskPower API, Researched SaskPower rates, Added support for address lookup in map

Karlee - Looked into average calculations for summary page, Looked into options for saving location specific data, Trello board, Project Day abstract

Kaden - Power estimation model (Python), Code cleanup

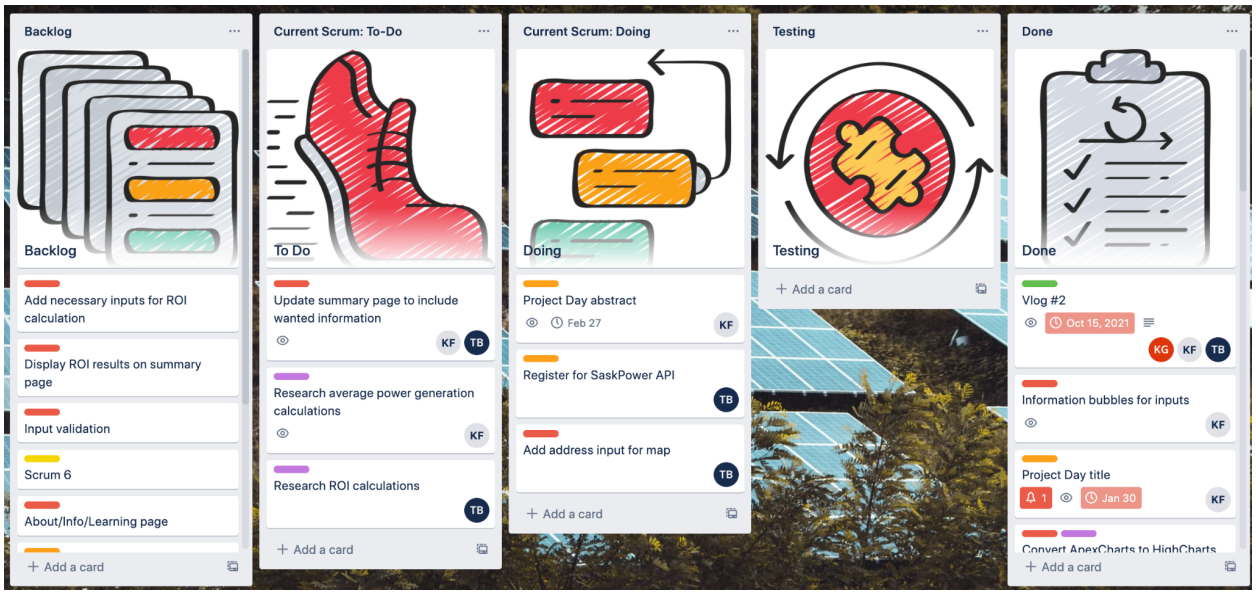
Group - Worked on MVP #3

Project issues/changes

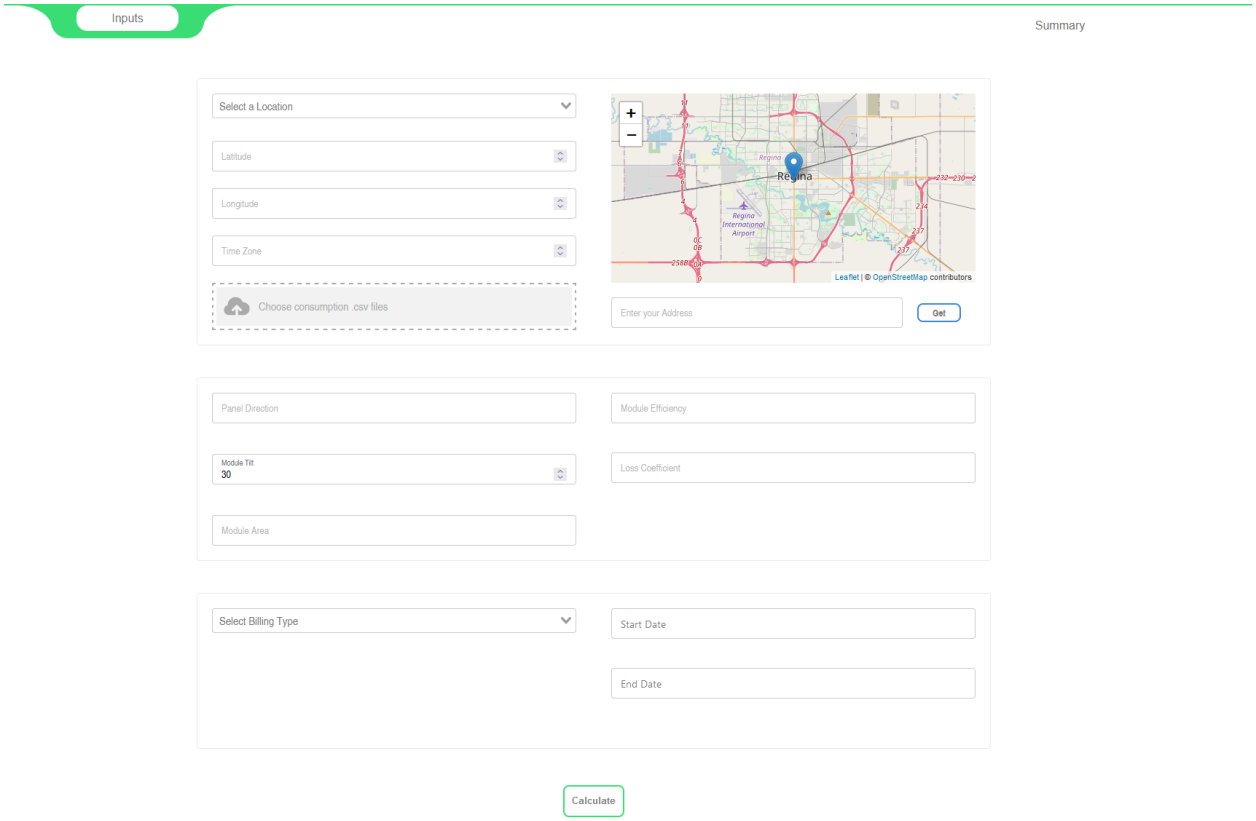
- No major issues or changes with our project

Documentation overview and/or project demo

- Trello Board



- Webpage demo



Next up

Overview of next several weeks: project day documentation, summary page updates/additions, work on saving location-based data

Tristan - Begin display ROI calculation on summary page, Look into caching repeated location, Add additional/more clear inputs for ROI and existing inputs

Karlee - Input form validation, Display calculations on summary page, Explanation/educational information, Look at saving location specific data, Documentation, Meeting minutes

Kaden - Calculate optimal size of installations based on inputs

Group - Meet with Greenwave Innovations, Meet with Dr. Yow, Work on MVP #4, Get ROI and billing information from Greenwave Innovations, Complete project day requirements

Team reflection

Discuss:

- Does the team feel "on track"? (reiterate the above colour status)
    - Green status
    - Yes, we feel like we are “on track”
- What progress does the team particularly feel good (great) about?
    - We have registered for SaskPower’s API and are beginning ROI implementation
- 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?
    - Greenwave Innovations’ input on billing calculations and ROIs
- What questions or concerns does the team have (if any)?
    - No questions or concerns at this time