

Team/Instructor scrum #7

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. 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

Mar. 8, 2022 - Mar. 15, 2022

Status description

Project Status - Green

We feel like we are “on track”. We have implemented an about page and started some code testing using Dusk.

Team Member Contributions

Tristan - Added input for additional solar panels, Bug fixing forms and API calls, UI improvements

Karlee - About page - ROI calculations and general project information, Looked at poster design, Trello Board, Documentation

Kaden - Testing using Dusk and bug fixes, Documentation

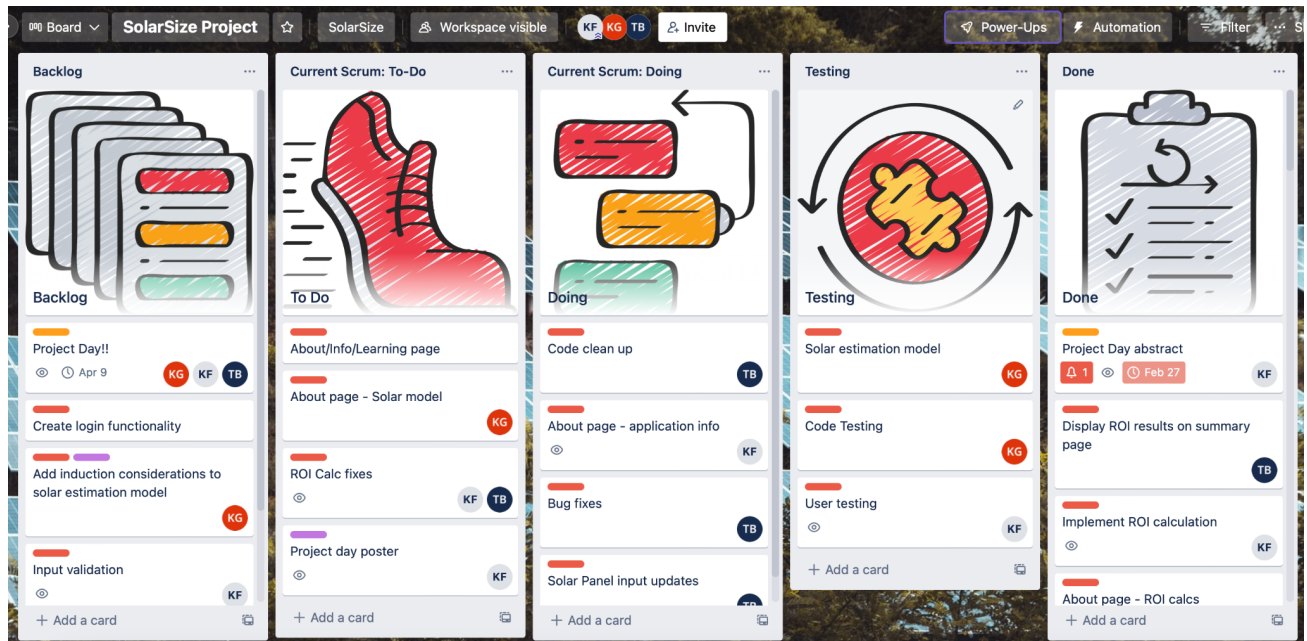
Group - Worked on MVP #5, Discussed our plan for the last month

Project issues/changes

- No major issues or changes with our project

Documentation overview and/or project demo

- Trello Board



- Dusk code testing

```
vagrant@homestead:~/code$ php artisan dusk
PHPUnit 9.5.10 by Sebastian Bergmann and contributors.

.....                                     26 / 26 (100%)

Time: 00:43.261, Memory: 22.00 MB

OK (26 tests, 51 assertions)

vagrant@homestead:~/code$
```

```
public function testSubmit()
{
    $this->browse(function (Browser $browser) {
        $browser->visit('/')
            ->keys('#vs1_combobox > div.vs_selected-options > input','Test','(ENTER)')
            ->click('#mapSelect')
            ->assertValueIsNot('#latitude','0')
            ->assertValueIsNot('#longitude','0')
            ->attach('#mainForm > div:nth-child(1) > div > div > div:nth-child(4) > div > div > input','/home/vagrant/code/tests/Browser/monthdata_cleaned.csv')
            ->click('#mainForm > div.submit-container > button')
            ->screenshot('summaryTest1')
            ->waitFor('#roiValue', 30)
            ->assertSee('219');
        $browser->scrollIntoView('#app > div.extra > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div > header > h3')
            ->screenshot('summaryTest2');
    });
}
```

- Webpage demo



Next up

Overview of next several weeks: project day documentation, summary page updates/additions, calculation improvements, and testing

Tristan - Visual Improvements, Continue bug fixes, Add additional input validation, Begin code quality report

Karlee - ROI and annual cash flow calculation fixes, About page updates, User testing, Begin poster design, Documentation - knowledge base

Kaden - Testing and documentation, Bug fixes - ROI

Group - Schedule meetings with Greenwave Innovations and Dr. Yow, Work on MVP #6, Work on project day requirements - project experience report

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?
 - Implementing about page and getting Dusk working for testing
- 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?
 - No help required at this time
- What questions or concerns does the team have (if any)?
 - No questions or concerns at this time