Sprint 5 Plan

Product Name: UCSC LML Marine Debris Data Visualization
Member Names: Bridget Chew, Kaitlyn Liao, Spencer Fulgham, Zachary Miller

Team Roles

Kaitlyn Liao: Project Owner, Developer
Spencer Fulgham: Scrum Master, Developer
Bridget Chew: Developer
Zachary Miller: Developer

Goals:

The goal of this sprint is to host and deploy the website as well as start implementing the functionality for all graphs.

Task Listing

Sprint 5:

1. "As a general user, I want to be able to visit the official LML Marine Debris website."
Story Point Estimate: 13
Ideal hours: 12
Tasks:

- Decide on a hosting platform
- Connect github with hosting platform
- Host postgres database
- Host react website
- Manual test hosted and deployed website
- Document how to update what's hosted on website

Assigned Members (2): Bridget Spencer

2. "As a general user, I want to be able to view a map with all the beaches with the collected debris data."
Story Point Estimate: 8

Ideal hours: 12
Tasks:

- Frontend
    - Have interactive map
    - Restricted zoom out
    - Have pins show up for each beach
- Backend
    - Register api token
    - Everyone must have a private .env.local file to store token

Assigned Members (2): Kaitlyn Zack

3. "As a general user, I want to be able to view a bar graph of the total amount of debris by beach."
Story Point Estimate: 8
Ideal hours: 12
Tasks:

- Frontend Team
    - Have dropdown to select beach
    - Implemented the requested graph aesthetics
        - Bar colors
        - Bar style
        - Animation
        - Y axis - items counted
        - X axis - Types of debris
- Backend Team
    - Write a function that takes in a single beach and outputs data for each type of debris
    - Have a render graph function that takes output of above function and sends it to front end

Assigned Members (4): Bridget Kaitlyn Spencer Zack

4. "As a general user, I want to be able to view a bar graph of the total amount of debris across a single beach by season."
Story Point Estimate: 8
Ideal hours: 12
Tasks:

- Frontend Team

    - Have dropdown to select beach and all beaches
    - Implemented the requested graph aesthetics
        - Bar colors
        - Bar style
        - Animation
        - Y axis - items counted
        - X axis - season + year
- Backend Team
    - Write a function that takes in a single beach and outputs total amount of debris per season
    - Have a render graph function that takes output of above function and sends it to front end

Assigned Members (4): Bridget Kaitlyn Spencer Zack

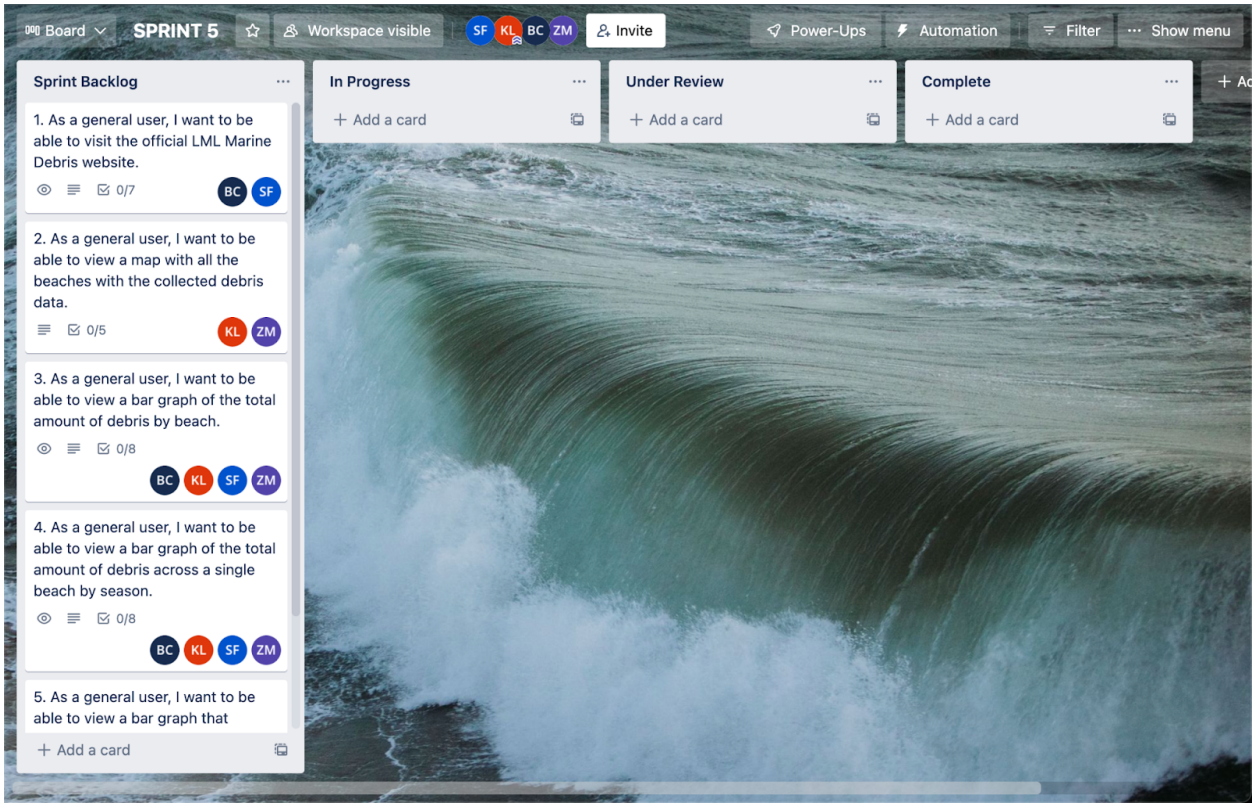
5. "As a general user, I want to be able to view a bar graph that compares marine debris across all rural vs. urban beaches or any beach with another beach."

Story Point Estimate: 8
Ideal hours: 12
Tasks:

- Frontend Team
    - Have dropdown to select all rural vs all urban beaches and individual rural vs urban beaches
    - Implemented the requested graph aesthetics
        - Rural vs urban bar colors
        - Bar style
        - Animation
        - Y axis - items counted
        - X axis - type of debris
- Backend Team
    - Write a function that takes in a single beach and outputs data for each type of debris
    - Have a render graph function that takes output of above function and sends it to front end

Assigned Members (4): Bridget Kaitlyn Spencer Zack

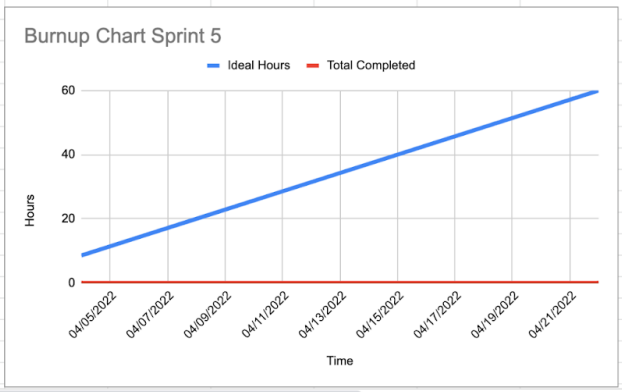
Initial Scrum Board



Initial Burnup Chart

Meeting Date	Bridget	Kaitlyn	Noah	Spencer	Zack	New Progress	Total Completed	Ideal Hours
04/04/2022	0	0	0	0	0	0	0	8.571428571
04/06/2022	0	0	0	0	0	0	0	14.28571429
04/08/2022	0	0	0	0	0	0	0	20
04/11/2022	0	0	0	0	0	0	0	28.57142857
04/20/2022	0	0	0	0	0	0	0	54.28571429
04/22/2022	0	0	0	0	0	0	0	60
Totals:	0	0	0	0	0		0	

Sprint Start:	04/01/2022
Sprint End:	04/22/2022
Ideal Hours:	60



Scrum Times:

April 1, 2022 - April 15, 2022
Sprint Meetings:
MWF 2:00pm - 2:15pm
TA Meeting:
W 2:00pm - 2:30pm
Sponsor Meeting:
M 4:00pm - 4:30pm