# Sprint 6 Plan

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

## Team Roles

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

## Goals:

The goal of this sprint is to host and deploy the website, start implementing authenticated users, and put finishing touches on the data visualization page

## Task Listing

***Sprint 6:***

**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 (3): Kaitlyn, Bridget, Zack*

**2. "As a super admin, I want to be able to securely log into the LML Marine Debris website and view a dashboard to manage other admin users."**

Story Point Estimate: 13
Ideal hours: 15
Spikes:

- How to create authenticated users in postgres
- Secure login through react/postgres

Tasks:

- Create new table of authenticated users in postgres
- Create a super admin authenticated user login credentials
- Allow super admin to view log of CSV data uploads
- Ensure that admins and super admins have different dashboard visibilities

*Assigned Members (2): Spencer, Bridget*

**3. "As a general user, I want to be able to compare and interact with beaches on a map with the collected debris data."**
Story Point Estimate: 5
Ideal hours: 8
Tasks:

- Frontend
    - Hover effects with pins to show beach name and images
    - Compare button to select which beaches users can compare
        - Ask research team if they would like to restrict any comparisons
- Backend
    - Ensure functions querying data are accurate
    - Event handler functions for pin comparison

*Assigned Members (3): Kaitlyn, Zack, Vinh*

**4. "As a general user, I want to be able to view a line graph to see the amount of debris accumulated on a beach over time."**
Story Point Estimate: 3
Ideal hours: 5
Tasks:

- Frontend
    - Have dropdown to select beach
    - Implemented the requested graph aesthetics
        - Y axis - total debris count
        - X axis - time

        - Animation
- Backend
    - 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 (2): Zack, Vinh*

**5. “As a general user, I want to be able to view a pie chart to compare the amounts of different types of debris by beach.”**

Story Point Estimate: 1

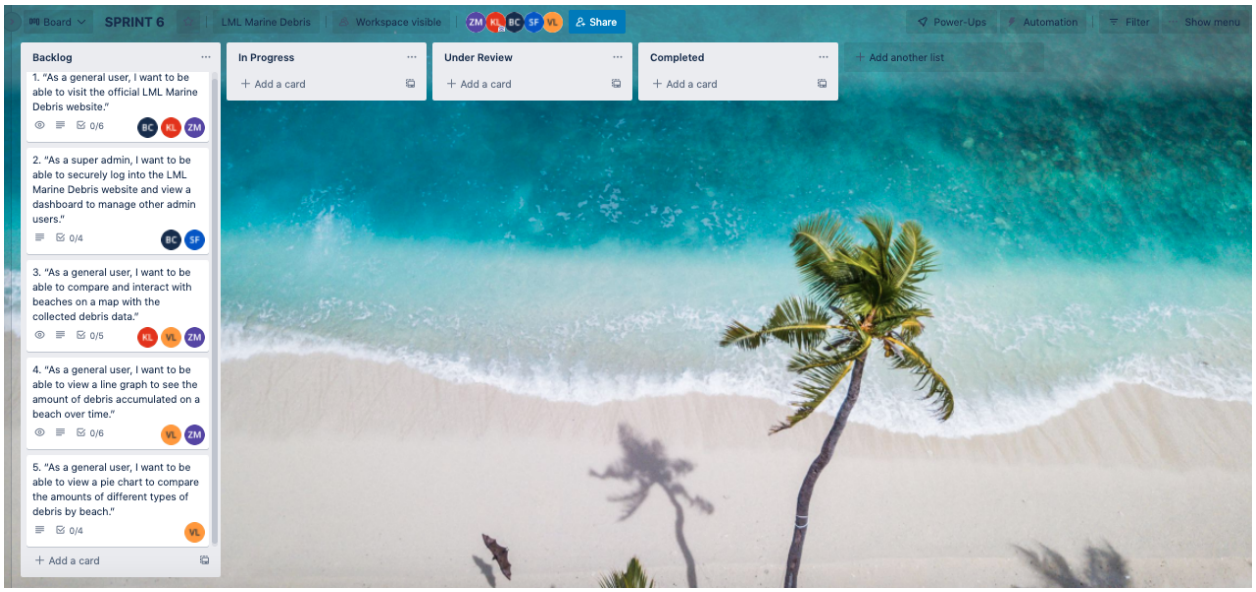
Ideal hours: 2

Tasks:

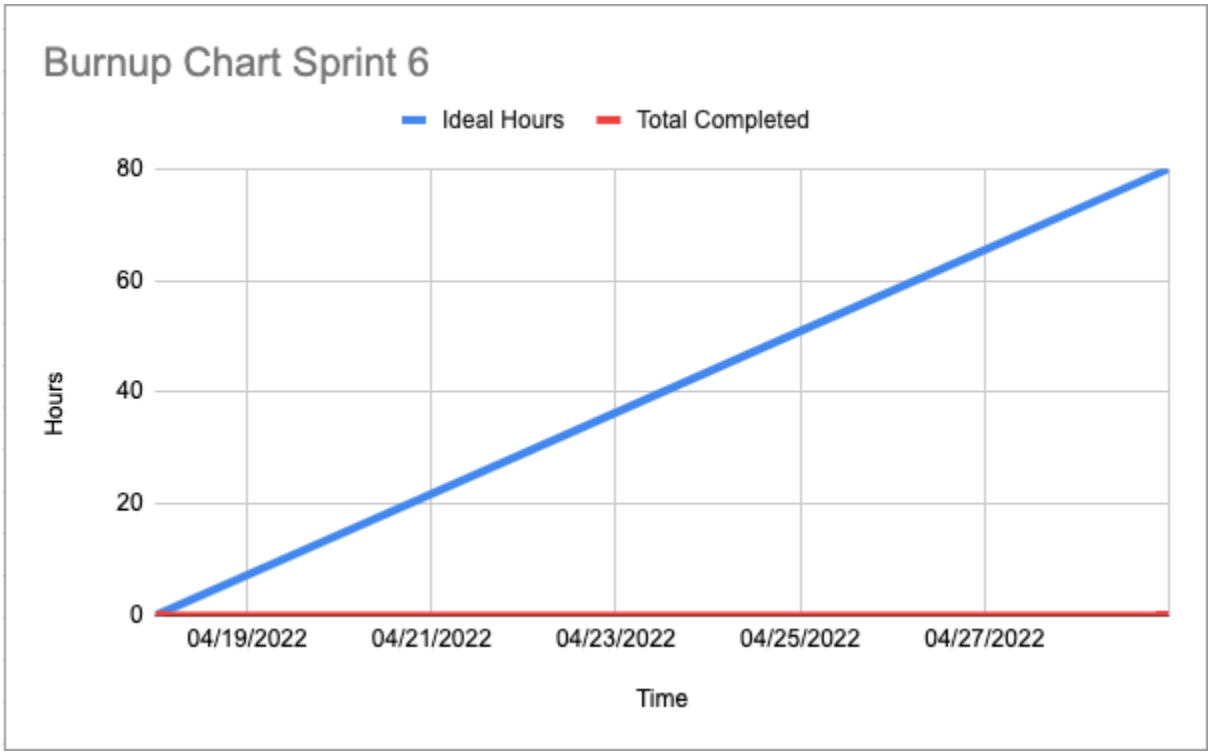
- Frontend
    - Select beach by clicking pin on map
    - Implemented the requested graph aesthetics
        - Finalize chart colors
        - Pie slice style
        - Animation

*Assigned Members (1): Vinh*

# Initial Scrum Board



# Initial Burnup Chart




# Scrum Times:

**April 18, 2022 - April 29, 2022**
Sprint Meetings:
MWF 2:00pm - 2:15pm
TA Meeting:
W 2:00pm - 2:30pm
Sponsor Meeting:
M 4:00pm - 4:30pm