Sprint 3 Plan

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

Team Roles

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

Goals:

For this sprint, the goal is to ensure all team members are on the same page and able to adequately contribute to the project. After this baseline has been established, work can begin in parallel, with some developers beginning to understand and prepare data visualizations for future sprints, and some developers setting up the foundations for the website, with main pages and some key features coming together.

Task Listing

Sprint 3:

1. "As a developer, I want to have React.js and Postgres set up locally so that the whole team can have the same foundation to start working on."
Story Point Estimate: 3
Ideal hours: 5
Spikes:

- Familiarize yourself with React and PostgreSQL, as well as code already written by peers

Tasks:

- Fetch newest DEV branch code
- Install React.js
- Install and set up Postgres and pgAdmin so our web app connects to it

- Communicate with team on completion

Assigned Members (5): Spencer Kaitlyn Noah Zack Bridget

2. “As a developer, I want to understand how the data should be compared and displayed.”

Story Point Estimate: 13

Ideal hours: 15

Spikes:

- Familiarize yourself with the data vis tool we select
- Understand the capabilities of what can and can’t be done

Tasks:

- *Communicate with sponsors:*
    - *Write out what are the permutations of data comparison*
    - *Decide on how to compare different locations on map*
    - *Decide what type of graph(s) they wanna use*
    - *Decide how exactly do temporal data should be displayed*
- *Get finalized data set from sponsors so that we know what data needs to be compared*
    - *Clarifying what the columns should be*

Assigned Members (3): Spencer Kaitlyn Noah

3. “As a developer, I want to pick a data visualization tool that is minimalistic and simple to work with, so that interpreting the debris data is easy to understand.”

Story Point Estimate: 2

Ideal hours: 3

Tasks:

- *Send list of graph tools to sponsors and have them pick which one they prefer*
- Install the selected data visualization tool in our codebase
- Render a graph and use it to make sure it fits well within our abilities and code. (aka play around with the tool)

Assigned Members (1): Zack

4. “As a general user, I want to be able to view how the Survey Slug program collects its marine debris data.”

Story Point Estimate: 5

Ideal hours: 7
Tasks:

- *Request images that sponsors would like displayed*
- *Request writeups of data collection methods*
- Draft design on figma (if enough changes are made by sponsor where it is needed)
- Implement design
- Included images and writeups collected from sponsors
- Have sponsors approve of page implementation

Assigned Members (1): Bridget

5. "As a general user, I want to view the people who contributed to this website."
Story Point Estimate: 5
Ideal hours: 7
Tasks:

- Request first draft of:
    - developer card descriptions
    - developer card photos
    - developer card links
    - *sponsor card descriptions*
    - *sponsor card photos*
    - Have all developer cards filled out
- Have all sponsor cards filled out
- *Ask for list of references from sponsor*
- *Ask for acknowledgment writeup from sponsor*
- *Have sponsors approve of team page*

Assigned Members (1): Zack

6. "As a general user, I want an informative homepage, so that I can learn about ways I can help lower the human impact on marine debris."
Story Point Estimate: 5
Ideal hours: 7
Tasks:

- *Request images for homepage*
- *Request call to action writeups*
- *Request marine debris + UCSC LML elevator pitch*

- Draft design on figma (if enough changes are made by sponsor where it is needed)
- Implement design
- Included images and writeups collected from sponsors
- Have sponsors approve of page implementation

Assigned Members (1): Noah

7. “As a general user, I want to have a navigation bar so that I can interact with all the different pages on the website.”

Story Point Estimate: 8

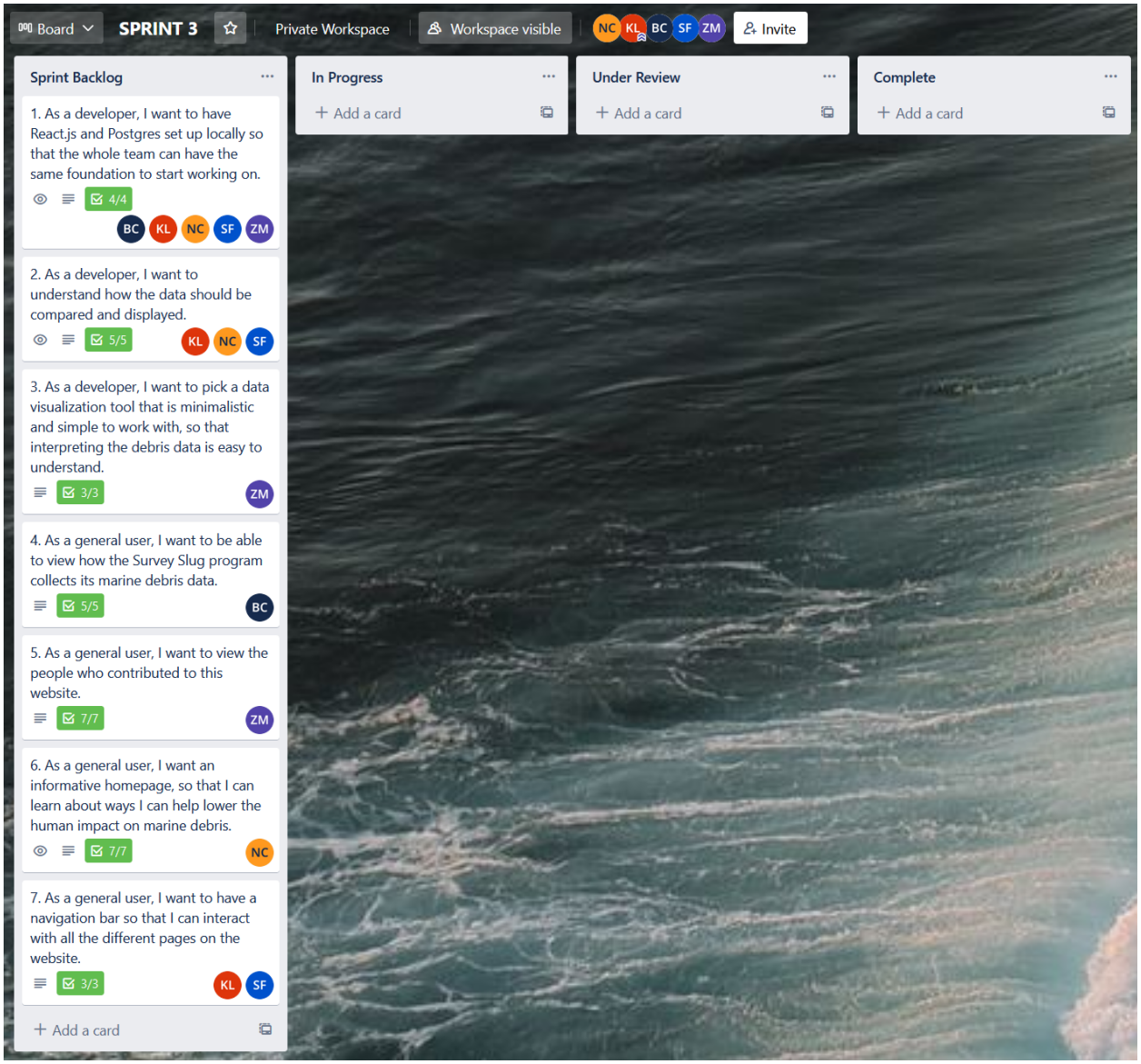
Ideal hours: 10

Tasks:

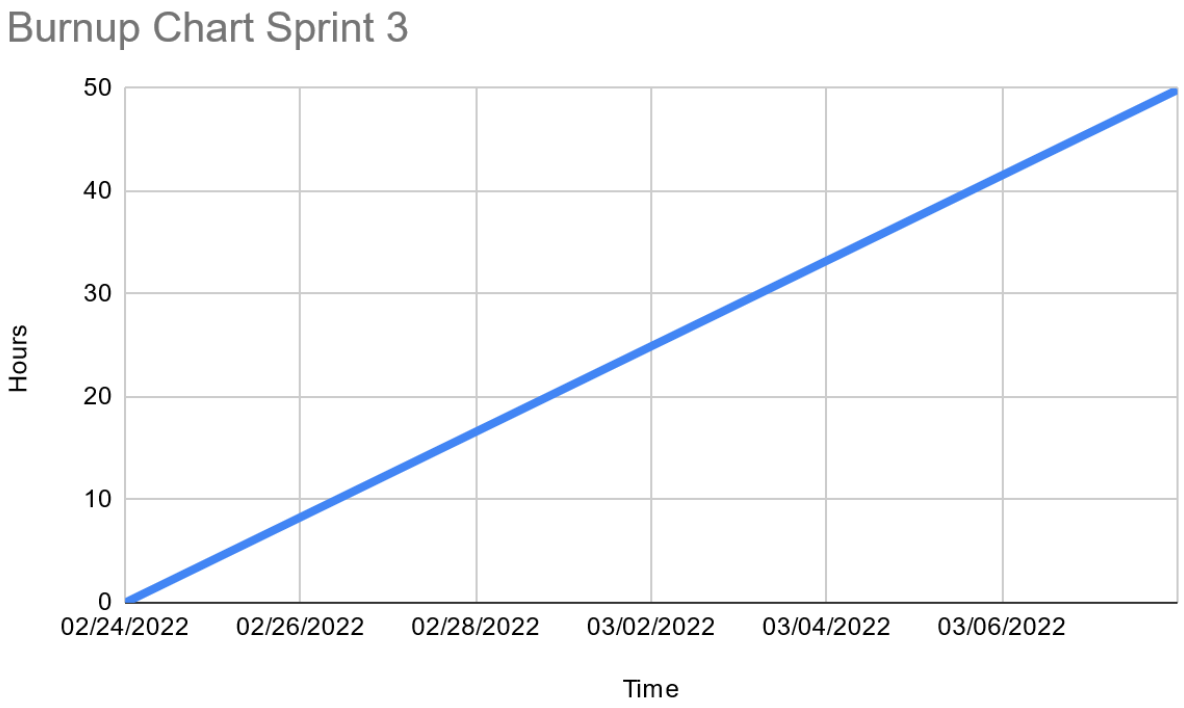
- Design and implement frontend of navbar (Navbar.js)
- Implement the back end react router (controller.js)
- Import all pages to controller.js to be rendered

Assigned Members (2): Spencer Kaitlyn

Initial Scrum Board



Initial Burnup Chart



Scrum Times:

Sprint Meetings:

Tue/Thu 11:00am - 11:15pm

TA Meeting:

Wed 4:00pm - 5:00pm

Sponsor Meeting:

Tues 3:30pm - 4:30pm

General Work Together Meetings:

Monday 4:00pm - 5:00pm