

Release Plan 2

Marine Plastics

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Revision 1

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High Level Goal

- Fun, interesting, and informative data visualizations for each data entry and for each location.
- An organized website with a map view to be able to display all the clean up sites.
- Ability for anyone to reorganize and filter clean up sites regarding season, material, or other data filters.
- An efficient database for text and photos (not necessarily the same database for both).

User Stories for Release

Sprint 1

- As a developer, I want the MLab database to be more flexible so that the input options do not have to be hardcoded.
- As a representative of Clean Oceans International, I would like there to be a lot of data on the site so that I can use it to demonstrate how much plastic has been cleaned up.
- As a developer, I want to learn D3 so that I can create the data visualizations.

Sprint 2

- As a representative of Clean Oceans, I would like to have pie charts and bar graphs of the amount of trash per beach so I can visualize the trash.
- As a representative of Clean Oceans, I would like to filter the clean up sites based off of what kind of trash so I can see which sites have certain amount/kinds of trash in a list or on the map.
- As a representative of Clean Oceans, I would like there to be input validation on the form so that the data is uniform and useful.

Sprint 3

- As a representative of Clean Oceans, I would like to see more elegant and creative visualizations so that the data is more interesting and exciting to look at.
- As a citizen scientist, I would like to see a visualized graphic of how to clean the beaches so I can clearly understand the process of the cleaning protocol.

- As a citizen scientist, I would like to be able to upload photos of the beach and clean up so I can share information about the beach.

Sprint 4

- As the owner of the site, I would like there to be unit tests so that it is easy to know when the site is broken.
- As a citizen scientist, I would like there to be a profile page that shows who I am, what organizations I am associated with, and what cleanups I have participated in.
- As a citizen scientist, I would like the site to be actually launched and public.

Product Backlog

- As a citizen scientist, I would want a mobile friendly form that is more like an app.
- As a researcher, I would want a way to export the data from MLab to a sql database form.
- As a citizen scientist, I would want a feed of upcoming cleanups that I can participate in.
- Auto selection for objects listed as “other”, so that all trash of the same or similar types will be grouped together.