Release Plan
Marine Plastics Monitor 2019
Team Name:
1st Release: March 2019
Revision 1

- **High level goals:**
    - Clean up existing code from previous release
    - Update website UX so users can easily collect and enter data into database
    - Create an easily digestible way to view and analyze previously collected data
    - Polish the pre-existing website's feature as well as add in more user-friendly functions
    - Make the UX multi-language/nationality

User stories for release:

- Sprint 1
    - () As a developer, I want to familiarize myself with the technologies needed to continue developing our website.
        - Meet w/ Guita 1/28 to understand what previous group did
        - MongoDB
        - Express
        - React
        - Node.js
    - () As a developer, I want to have a clean code base to start working on.
        - Make sure all development environments are properly configured - everyone
        - Modularize code and make code more readable, especially server.js - Noel
        - Create code style document - Cassia
        - Finalize separation from API website to regular website
        - Create an .env file to store secure information and to distinguish production from development. (npm?) - franky
- Sprint 2
    - () As the site owner, I want my site to run smoothly and professionally
        - I want to make sure that the accounts signing up have valid emails.
        - Handle 404 errors

- - - ■ Host pdfs directly on our site
    - ○ () As somebody inputting data from surveys, I want to be able to edit and delete the data from my surveys.
        - ■ Link email to surveys and only allow users to edit/delete their own surveys.
        - ■ Ask COI how they want admin privileges given.
    - ○ () As a user inputting data, I want the database entry form to match all elements of the hard copy COI survey form
        - ■ Remove (maybe add?) the styrofoam category.
        - ■ Add food/organics category.
        - ■ Slope titled differently
- Sprint 3
    - ○ () As a user browsing data, I want to be able to visualize where trash has been picked up using an improved map.
        - ■ "expected length NaN"
        - ■ Add some info that pops up when you click on a location
        - ■ Make map locations/pins more visible
    - ○ () As a user entering information, I want my experience filling out tedious forms to be as easy as possible
        - ■ () Ability to save static info about frequently visited beaches
        - ■ () Make it easier to use data already entered for rib scan and reuse for accumulation sweep that occurred on the same day
        - ■ () Prevent duplicate beaches being added under different names (e.g. New Brighton Beach vs. New Brighton) → add in a suggestion feature
        - ■ () Tide height needs unit of measurement
        - ■ () Wind speed needs to show knots
        - ■ () Degree symbol for compass direction

Product Backlog
- Create a mobile app to make data collection in the field more friendly, OR mobile optimize the site
    - ○ Phone scanner
- Show plastic distribution on the beach
- Site should be able to display different languages/units depending on language/location
    - ○ Latitude/longitude: account for different methods of collecting that information

Last modified: **1/26/2019** (created and added to document)