Project 2 Proposal

SHIPWRECKED!

Since the time of Europeans ships coming to the shores of the Western Hemisphere, shipwrecks have accumulated on these shores. These nautical resting places serve as a marker of history, telling of a natural disaster, a terrible tragedy, or a great battle. Whatever the cause for their watery demise, shipwrecks always have a story in the past, and sometimes, a story their discovery.

Shipwreck location and data provide opportunities to academics, hobbyists, and commercial ventures to see these historical treasures. Our map will serve as a tool to help them do so:

Utilizing a database of 10,000 shipwrecks, our group plans to create an interactive, filterable map that shows their location and known relevant data. The Our map will be based off the [Automated Wreck and Obstruction Information (AWOIS) database](https://nauticalcharts.noaa.gov/data/wrecks-and-obstructions.html) from the NOAA. We will convert the file into a csv, then into SQL. After we plan on using a FLASK to create a website that will employ the leaflet and mapbox interactions.

Our site will utilize the anime.js JavaScript library to give our map greater life, causing a wave like motion to occur whenever there is a click.

The AWOIS database will also be cross referenced with historical weather data, and overlays of important geographical anomalies.

Github link: <https://github.com/derekgreeley/project2>

Analogous graphics:

 

