



Biscayne Bay Visualization

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PROBLEM

Concern for the water quality in the Biscayne Bay is growing due to continuing reports of fish kills. This web page seeks to spread environmental awareness regarding the Biscayne Bay by visualizing critical data.

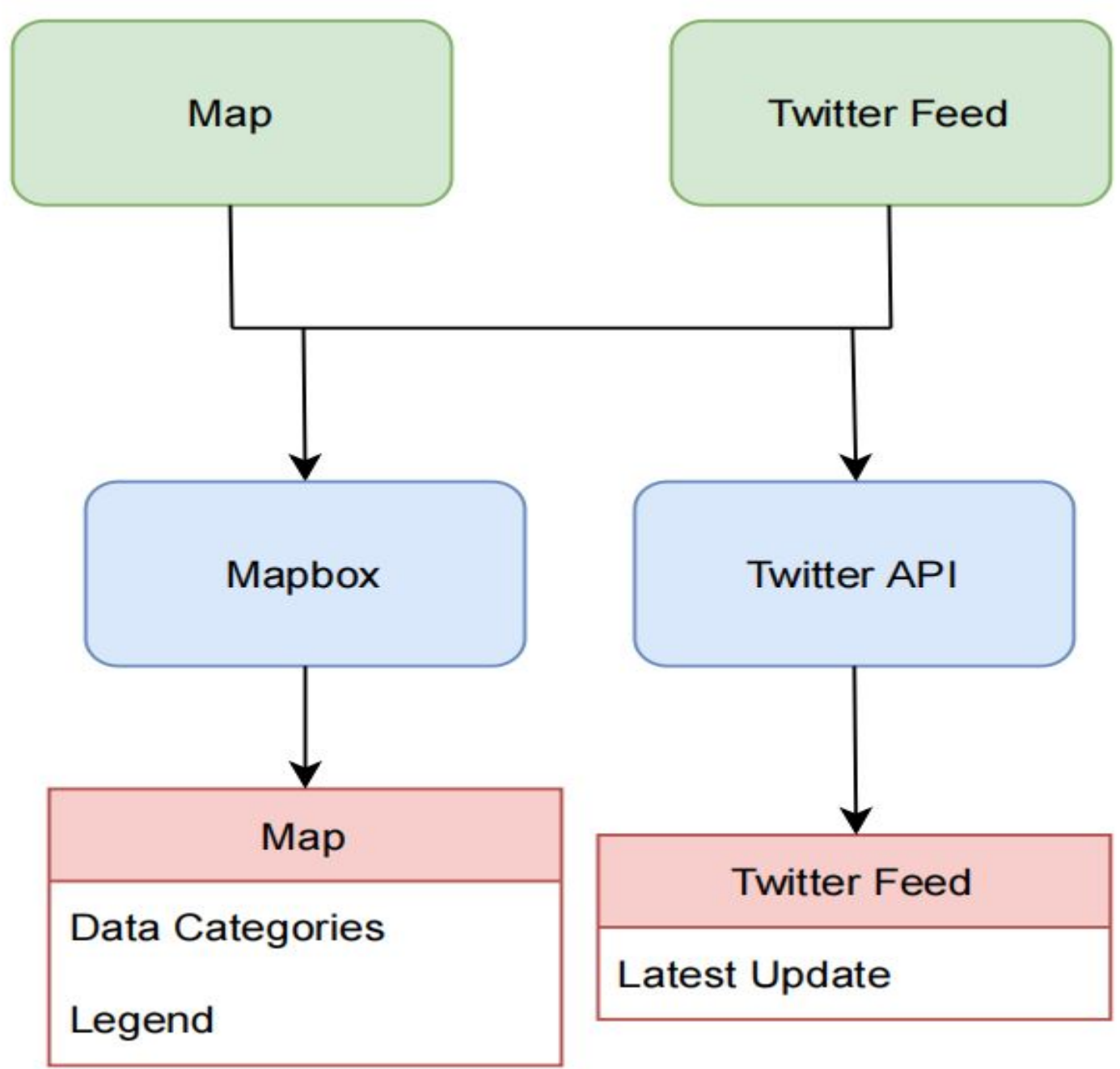
CURRENT SYSTEM

Web page currently displays a map that visualizes the water quality data collected by the buoys in the Biscayne Bay. It also contains data categories that inform the user of what the data represents.

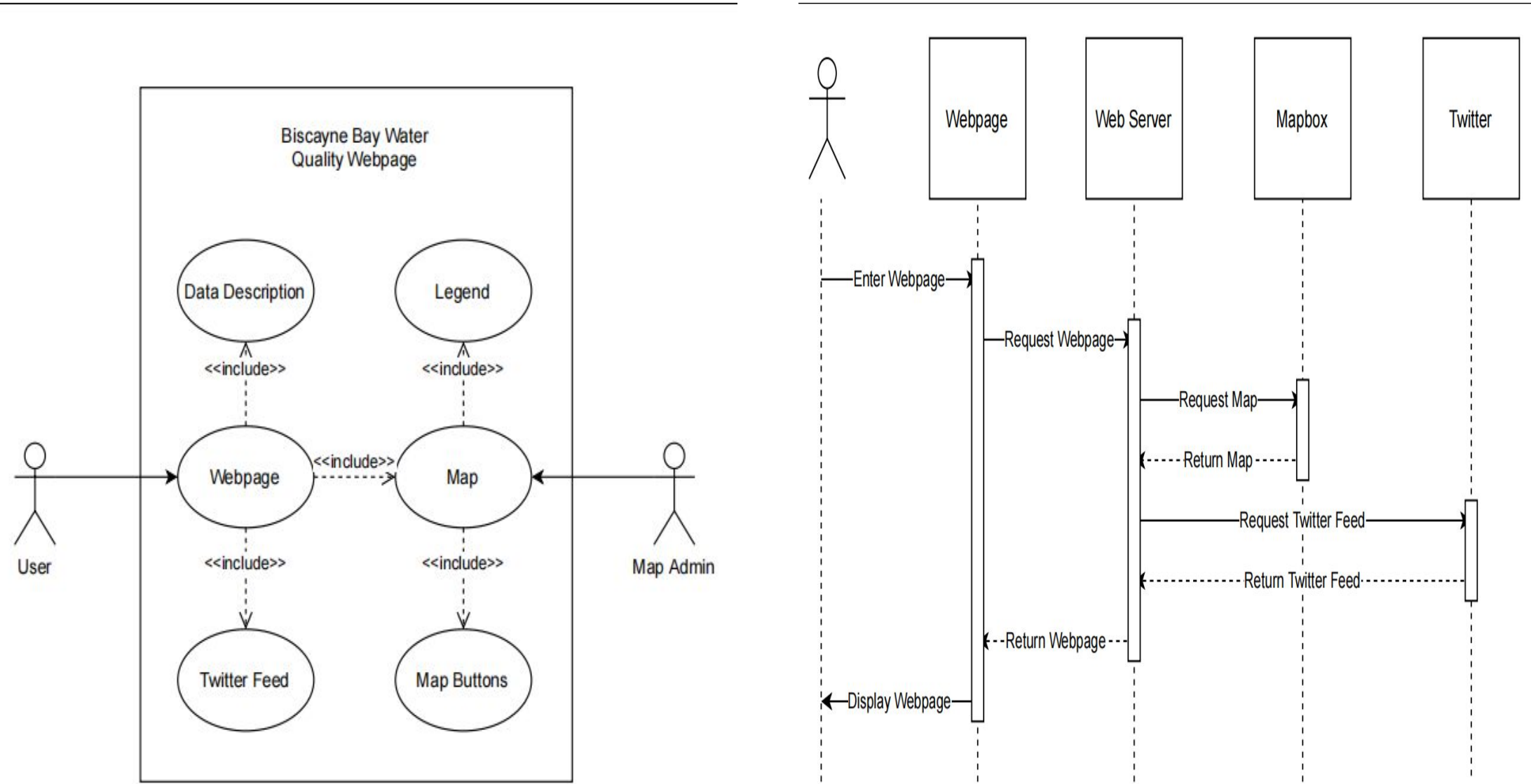
REQUIREMENTS

- Design a webpage that informs the user about the water quality in the Biscayne Bay.
- Create a visualization using Mapbox that displays the water quality data collected by the buoys in the Biscayne Bay.

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION



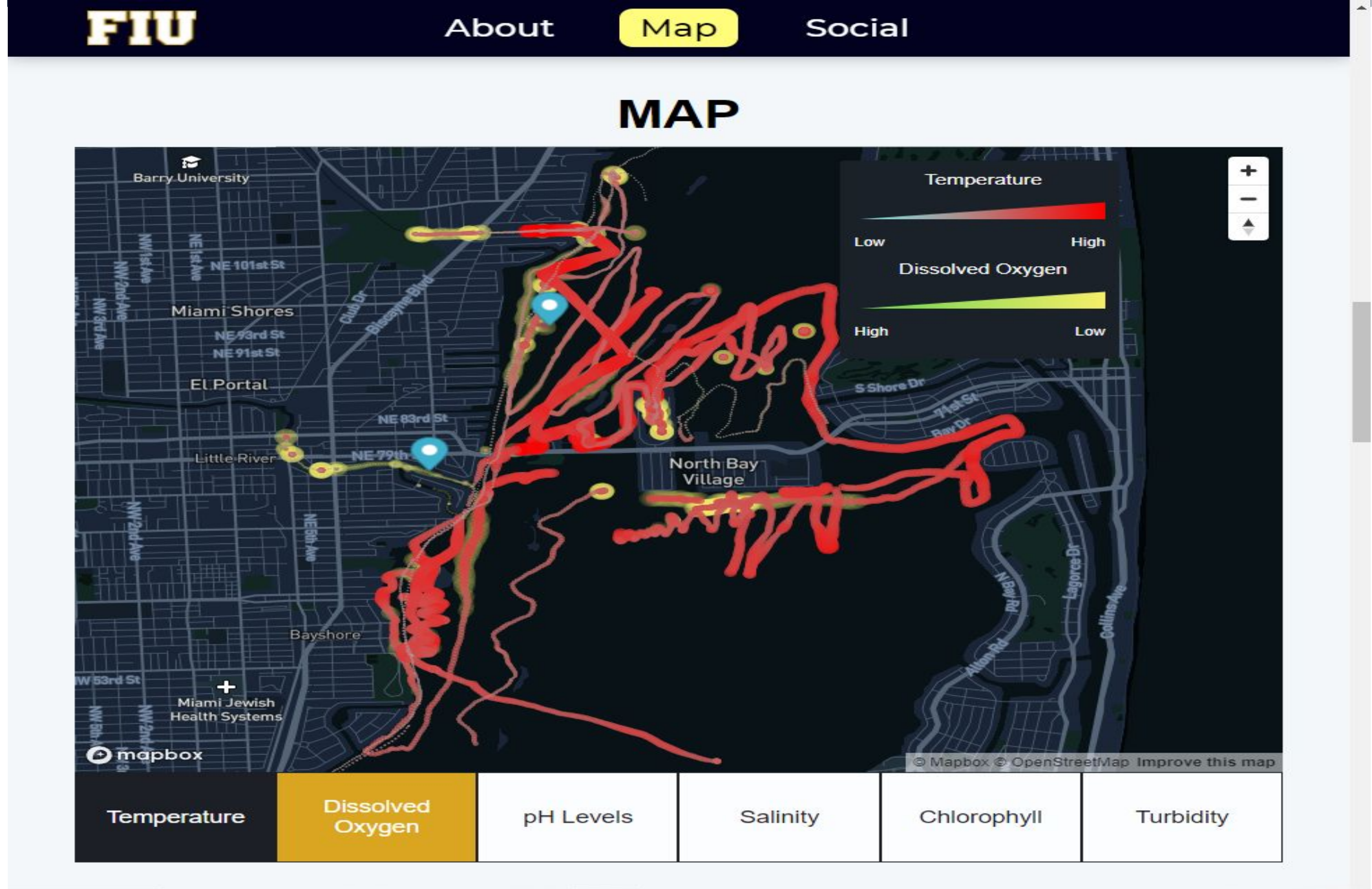
VERIFICATION

The webpage used manual tests to ensure proper web page functionality:
 Test 1: Toggle individual map features using buttons: pass
 Test 2: Clicking individual map features in order to see an explanation of the data: pass

SUMMARY

The Biscayne Bay Visualization project is a web page that displays critical data about the water quality in Biscayne Bay to the user using real data collected by buoys. The app relies on the Mapbox service, as well as the languages mentioned above.

SCREENSHOT



ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by assistant professor Biayna Bogosian. We thank our Senior Project partners: Joshua Fernandez, Daniel Chevez for assistance, cooperation and mentorship that we received throughout this process.