

Nooksack Salmon Enhancement Association

Mapping Project Abstract

By
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Project Description

N-Sea (Nooksack Salmon Enhancement Association) would like an interactive map to show all of their projects in the Nooksack watershed. They would like the map to be broken down into the smaller watersheds that make up the greater Nooksack watershed and any projects that exist underneath those smaller watersheds to be visible when the area is selected by a user. This map would include links to one-page reports about each project done at each location on the map that is accessible once a user clicks on a project location.

How It is Going To Work

The back-end of the application will have a database that will be designed and populated with data that can be updated to reflect all former, current and future projects. It will have an administrative backend so that new projects can be added by N-Sea in the future without the need for developers.

The front-end of the application will consist of a map and a menu for linking to other N-Sea pages. The map will contain polygons to represent the watersheds within the Nooksack watershed. When a watershed is selected the map will show the projects contained underneath that watershed. Projects will be represented by small images (fish, trees, etc.) and when selected will have a popup that contains information about the project and a link that will redirect to a page containing more information about the project.

Short Term Project Goals

- Create a working web app with a map containing past and current projects.
- Create a Database with clean data.
- Have a simple, usable design.

Long Term Project Goals

- Have backend CRUD functionality for the website.
- Create thorough and detailed documentation that can be passed on to other students at a later date if the project is not finished by the end of this quarter.

Deliverable Schedule

Week 2: **Project Abstract** (Monday), received all needed information from N-Sea (Wednesday), Technologies selected (Friday)

Week 3: Database designed (Tuesday), Design App (Thursday), Database implemented (Weekend)

Week 4: Create GitHub repository, Begin creating codebase, Begin work on project update, ensure clean data in the database

Week 5: **Project update containing GitHub repo, graphic and code sketches, description of resources and libraries** (Monday), Continue work on the codebase

Week 6: Start work on front-end implementation

Week 7: Wrap up for a functional demo.

Week 8: **Functional demo of the site** (Monday), Apply feedback from the demo

Week 9: Prepare the project for deployment, Iron out any issues or bugs, Complete documentation

Week 10: Deploy project (if applicable), **Submit project documentation** (Monday)

Client Contact

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