

Developer Documentation

HRDC Maintenance Portal

How to obtain source code:

- Our code will be available at the following github link:
https://github.com/423s24/Group_4

Planned Directory Structure

- The directory structure will be the typical react framework structure with components, etc.

Planned Builds

- React
- NPM packages
- The rest will be TBD...

Developer Testing:

- We will make sure a placeholder webpage compiles without error.
- We can write unit tests

Automated Build and Test

- Continuous Integration

How to release a version

- We will define individual goals for each sprint and categorize them as either a *minor updates* or *patches*, depending on the scope.
- We are using the standard version notation of Major.Minor.Patch, with the final release of our website being the first major update.

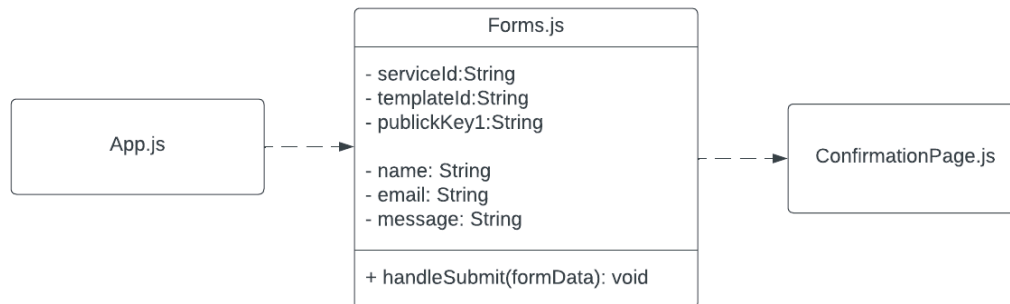
Bug Tracker

- We will use the *Issues* tab in the github repository to manage and track current bugs.

Comments in source code

- We make pull request that will outline a change to the code base in a short summary describing what it adds or changes in the product.
- In the code, make sure that the code is properly explained in a short comment if a chunk of code does not have a clear functionality when reading at first glance. (functions should have a brief description of what it does)

UML Class Diagram:



HRDC's goal is to have a simple and robust maintenance request form that anyone can fill out regardless of age and ability. We rationalize our minimalism through the goals of HRDC.

This simple UML class diagram demonstrates how each component interacts with one another. React uses *App.js* as the foundational root.

By running the react app, *App.js* will launch *Forms.js*, which is where users will input their contact information such as name and message. The message will be sent by using the EmailJS api using *serviceId*, *templateId*, and *publicKey1* as fields.

Once the "submit" button is pressed, the user will be redirected to *ConfirmationPage.js* where they will receive a "Thank you! Your form has been sent, we will get back to you as soon as possible.". The confirmation page is the final step of the process.