

WEB PAGE DOCUMENTATION

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Programming Languages

REACT

Created by Facebook, React is a JavaScript library for building interactive user interfaces. As defined by the INFO 340 textbook,

“React was created to make it much easier to define and manipulate [many] different parts of the DOM, and to do so quickly (in terms of computer speed). It does this by enabling you to declare a web app in terms of different components (think: “things” or “parts” of a web page) that can be independently managed—this lets you design and implement web apps at a higher level of abstraction. Moreover, components are usually associated with some set of data, and React will automatically “re-render” (show) the updated component when the data changes—and to do so in a computationally efficient manner”.

If you are unfamiliar with React, we highly recommend using this textbook as a resource. More information on React can be found in Chapters fifteen and sixteen at this link: [Client-Side Web Development](#).

We incorporated this language into the structure of our website in almost every file. Before we switched to Nex.js, we started by creating a solid UI with a React app framework. In order to understand the code behind our website, it is important to understand React code.

NEXT.JS

According to the Next.js website, “Next.js is a React framework that gives you building blocks to create web applications. By framework, we mean Next.js handles the tooling and configuration needed for React and provides additional structure, features, and optimizations for your application.” If you are unfamiliar with the framework, the Next.js website hosted by Vercel is a great resource. You can access it at this link: [What is Next.js?](#)

The Next.js framework provides the structure we used to build the web application.

BOOTSTRAP

As described in the INFO 340 textbook, Bootstrap is

“the most commonly used CSS framework on the web. Sometimes called “Twitter Bootstrap”, it was originally created at Twitter to enforce some consistency among their internal tools, but was released as an open-source project in 2011. Its popularity has

benefits and drawbacks: it's very well tested, documented, and supported, but it's also so prevalent that it's default look has become cliché."

We started using Bootstrap for its precoded components, such as navigation bars and footers. Bootstrap, in combination with our CSS file, makes up the stylings of our website.

Suppose you are unfamiliar with Bootstrap or need a refresher. In that case, we invite you to visit the Bootstrap Website [Get started with Bootstrap](#) page and the INFO 340 textbook [Chapter 9 CSS Frameworks | Client-Side Web Development](#).

GitHub Repository Structure

For each of these pages, describe what does this file contain? How does it show up on our website? and then anything that a new set of eyes needs to know before looking at your code.

[.NEXT](#)

COMPONENTS

Navbar.js

This file contains the code to produce the navigation bar for our website. The link to the news page is commented out, but our vision is to reactivate this link once the news page is ready to be published. More information on the news page can be found below.

Footer.js

This file contains the code to produce the footer for our website.

LOCALE > ES

The files in this folder are necessary for the Spanish toggle button to work. If any files in the Pages or Components folders are edited, then the Spanish equivalent in this folder must be edited.

Components_es

This folder contains the navigation bar and footer in Spanish. Each of them has its folder.

Pages_es

The folder contains the core pages translated into Spanish. Each of them has its folder.

NODE MODULES

PAGES

_app.js

_document.js

About.js

This file holds the code for the about us page.

Data.js

This file holds the code for the data page. (Go into detail about how we created the visualizations)

Index.js

This file holds the code for the home page.

News.js

This file holds the code for the news page. The original vision for this page was to host the posts under a hashtag we created. The hashtag would give us control over the posts that would populate the page. To make this possible, we worked with the Walls.io API. The motivation was to automate adding items to the page rather than having someone manually add information about the project. Unfortunately, we could not make this page work, and it was quickly populated by misinformation. Once posts start being made with a dedicated hashtag, this page can be activated again.

RepoPage.js

This file contains access to the repository.

Api Folder

PUBLIC

This folder contains all the images and files that are downloadable or displayed on the website. This should continue to be the case if the website is modified.

STYLES

This folder contains the CSS file for all of the pages.