

Code Standard:

The technology stack used in the project are Angular 4 and HTML5/CSS3, so an appropriate style guide is required for each technology. Google has already created a code styling that should be followed for Angular 4. This style guide can be found from <https://angular.io/guide/styleguide> . Some of the styling guideline found in the style guide are like “Style 3-01” where classes are named with upper camel.

There are also some function that are coded in vanilla Javascript. Those code will follow standards from https://www.w3schools.com/js/js_conventions.asp and https://www.w3schools.com/js/js_best_practices.asp . W3 provides the industry web standard and modern web browsers follow W3 guideline for compliance as well.

The rest of the templating technology stack which are HTML5/CSS3 will follow the <https://google.github.io/styleguide/htmlcssguide.html> . It provides a good starting point to standardize the code and makes the code pleasing to read.

Full styling guide can be found from the link provided. Any other styling that are outside the domain of the guides listed above will be discussed among the team before becoming the official style.

Done Criteria: user stories and tasks

User Stories	Done
As a developer, I want to be proficient with JavaScript, Angular, HTML, CSS, Github, Slack, Adobe, so that I can create an aesthetically pleasing website following the design given by Holistic Labs.	Everyone can write basic HTML and CSS. Everyone should be able to implement javascript functions into the source code. Everyone should be able to upload code onto github.
As a developer, I want to familiarize myself with the current Digital Butler website design, so that I will have a better idea on the product.	Everyone should have an understanding of how the digital butler website navigates and what each box on the website is for/should display.
As a developer, I want to create a skeleton of the product, so that I have something tangible to present.	The team should have a basic skeleton of the website. The skeleton should have windows and be organized according to the given prototype.

As a developer, I will begin to develop the UI of the main part of the web application, so that the website becomes easier to use and understand.	The team should have created a function UI. The windows on the website should have the necessary functions that the prototype has. I.e tabs that changes contents of the data visualization window, windows that display pop-ups, and a draggable window used for re-opening closed windows.
As a developer, I want to be proficient with D3.js library, so that I will know this technology to create data visualization.	I should be able to understand how to implement different ways to visualize data and how to
As a developer, I want to develop pop-ups of the UI so that I can display more information.	The website should have functioning pop-up windows to display information about a device.
As a developer, I want to begin to visualize data with interactive graphics so that I can display information about a network.	There should be at least one data visualization chart or graph implemented into the data card.
As a developer, I want to make data accessible via API so that I can retrieve data to visualize and present.	There should be access to APIs that we can extract information from for our data visualization charts and graphs.
As a developer, I want to optimize the UI, so that the website becomes easier to use and understand.	The UI should be dynamic to window changes and all features such as closing, minimizing, opening and dragging windows should be possible.
As a developer, I want to finish or add more data visualization features or any other features that we can afford to create on the application.	D3 charts should be able to display itself on the application, integration with the API is not necessary.