

e. Created or used a design style guide and/or a pattern library.

BE uses a combination of open source libraries and internally developed style guides and patterns for our applications. We have CSS pattern libraries in bootstrap; template modeling using Angular; and build patterns using npm, bower, and gulp. BE did not have a style guide created specifically for this project. Instead, we elected to use the Bootstrap CSS framework as it provides an out-of-the-box experience that is aesthetically pleasing, generally accepted, and supports multiple browsers and mobile devices. If this were not a prototype, we would have created style guides, pattern libraries, and general designs consistent with the customer's standards or desired branding.

Open Source Libraries

BE leverages many open source libraries in our contract work. For design and style, we used the Twitter Bootstrap framework integrated into our Angular applications. We chose this framework because it is a commonly accepted and widely used.

Bootstrap

BE uses the Twitter Bootstrap 3 CSS framework for most of our Single Page Application (SPA) projects. We find that this gives us a good starting point that we can customize depending on the requirements of our customers. Since we also use the UI-Angular library instead of the native JavaScript functions in Bootstrap, we use the Bootstrap-CSS-Only bower component and then add the UI-Angular library.

UI-Angular

The UI-Angular library takes the various bootstrap utilities such as dropdowns, typeaheads, and modals, and delivers them as native Angular components. This allows us to use the Bootstrap features in a much more natural and intuitive manner.

Internally-Developed Artifacts

BE has internal design experts that provide us with a common design language as well as color and logo options.

BE Color Palette

Most of our projects have a color palette that is either given to us by the customer or developed in-house. For BE Safe, we had our internal graphics designer create a color palette. We were fortunate in that our BE corporate color scheme matched nicely with the universally accepted medical colors of blue and white. The color palette is shown in **Figure 1** below.



Figure 1. BE Color Palette