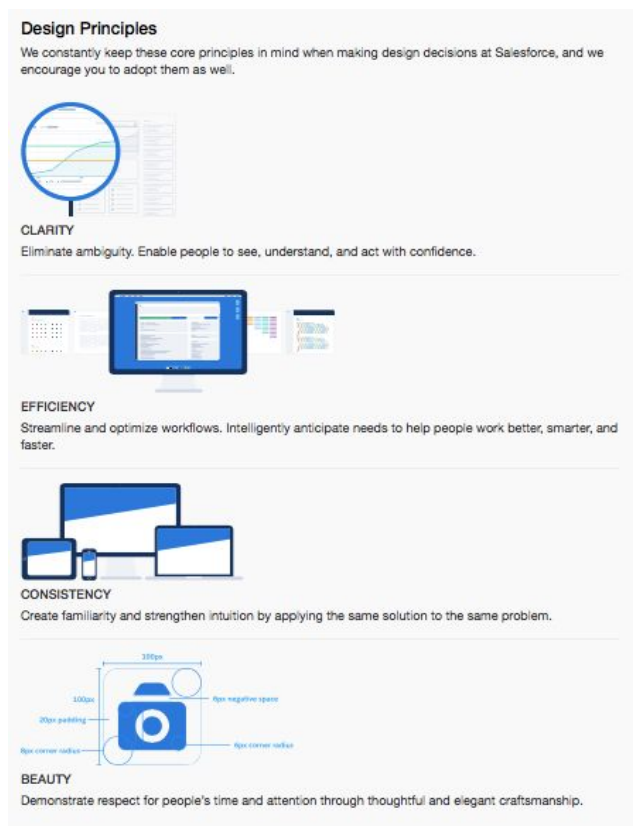


# PEACH Design Guide User Manual

The Peach Design Guide is designed to be the central reference point for developers working on the PEACH project. It does not tell the user how to construct a React Bootstrap site, but gives clear instructions as to how the site should be laid out.

## Design Page:

The start of the design page gives an overview of the design principles the site should adhere to, whilst further down the page there are more specific such as thematic rules and how animations should be used etc.

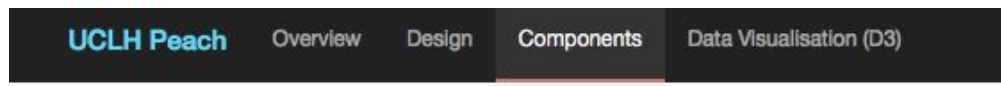


(Design overview)

The flow of the design page, moving from general overview to the specific, mirrors the web development process.

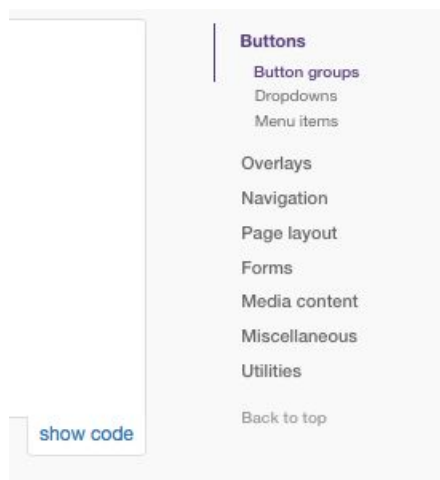
## Components Page:

In order to maximise integration between different PEACH subprojects, it is vital that all sites use the same compatible components. Therefore developers must reference the Design Guide components list.



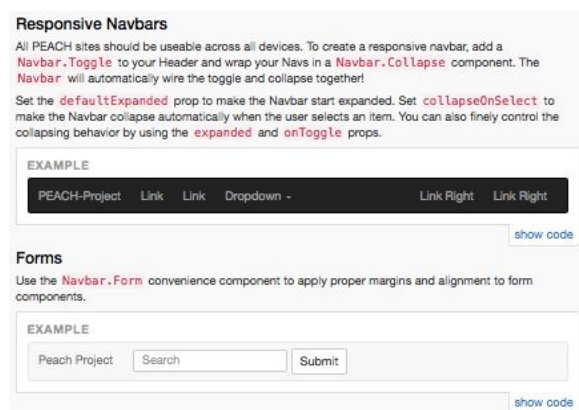
(Page tab selection)

Once the user navigates to the components page using the tab selection at the top of the page, they will then find the appropriate component using the smart sidebar at the side of the page.



(Smart sidebar)

Each component is displayed as an embedded interactive example. Beneath which, is an accompanying description, as well as the live code editor.



(Example Navbar component)

Using the live code editor, the developer will edit the code on site to suit their needs, the results of which are rendered on screen. When the developer is happy with the result, they will simply copy the code from their editor across to their project.

EXAMPLE

PEACH-Project

Link

Link

Dropdown -

Link Right

Link Right

```

const navbarInstance = (
  <Navbar inverse collapseOnSelect>
    <Navbar.Header>
      <Navbar.Brand>
        <a href="#">PEACH-Project</a>
      </Navbar.Brand>
      <Navbar.Toggle />
    </Navbar.Header>
    <Navbar.Collapse>
      <Nav>
        <NavItem eventKey={1} href="#">Link</NavItem>
        <NavItem eventKey={2} href="#">Link</NavItem>
        <NavDropdown eventKey={3} title="Dropdown" id="basic-nav-dropdown">
          <MenuItem eventKey={3.1}>Action</MenuItem>
          <MenuItem eventKey={3.2}>Another action</MenuItem>
          <MenuItem eventKey={3.3}>Something else here</MenuItem>
          <MenuItem divider />
          <MenuItem eventKey={3.3}>Separated link</MenuItem>
        </NavDropdown>
      </Nav>
      <Nav pullRight>
        <NavItem eventKey={1} href="#">Link Right</NavItem>
        <NavItem eventKey={2} href="#">Link Right</NavItem>
      </Nav>
    </Navbar.Collapse>
  </Navbar>
);

ReactDOM.render(navbarInstance, mountNode);

```

hide code

(Example Responsive Navbar code)

Within the components list, there is information specific to the Peach project regarding how certain components should be used, for example forms and form input.

PEACH form entry guidelines

Telephone input

- A single unassisted entry box should be used when anticipating UK telephone numbers, otherwise use a single entry box with a country code selector drop down box
- Country code selector box should have U.K. at the top, followed by an alphabetical list.
- Tool tips should be used to assist correct number input (e.g. Enter 'home' telephone number
- Ensure that the input box accepts formatted and unformatted entries (e.g. 01181-2 equivalent to 011812
- Remove UK country code from display after number is committed

NHS Number input

- Provide single entry box for NHS Number input.
- Ensure it is long enough to display number in full.
- During input, reformat numbers, in the form of 3 numbers, space, 3 numbers, space, then last 4
- Ensure NHS Number consists of only 10 digits and 2 spaces.
- During input, permit only single space character to act as a separator within the number

Sex and Current Gender Input

- Inputs for patient's current gender may take one of the following:
  - Male
  - Female
  - Other Specific
  - Not Known
  - Not Specified
- Inputs for patient's sex may take one of the following:
  - Male
  - Female
  - Not Known
  - Indeterminate

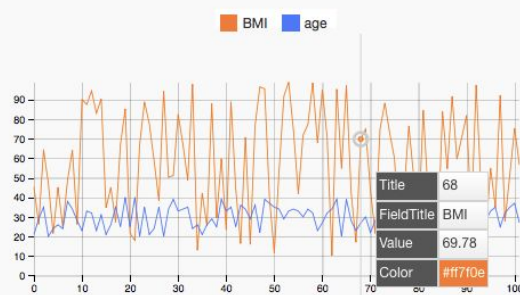
(Form input information)

## D3 Visualisations page:

For any PEACH project with a data visualisation aspect, we have provided the D3 tab, wherein developers can see examples of visualisations created with React D3 and get an idea of which chart type to use for what purpose. The page acts as a showcase for some of D3's interactive capabilities, with the interactive tooltip graph examples. This list of charts is not exhaustive, and developers do not need to restrict themselves to the use of these charts only. Instead, the list is meant to act as a showcase, and a starting point for data visualisation development in the PEACH project. All examples have the accompanying code displayed, which can be copied across to new projects.

### Tooltip Line Multiple

The multiple line chart is frequently used for data investigation. It allows viewers to compare and correlate the trends of two or more variables.



(Interactive D3 line chart example)

```
JavaScript

// load your general data
var chartData = require('dsv?delimiter=,.../data/garbage.csv
');

// your date format, use for parsing
var parseDate = d3.time.format("%YMM").parse;

var width = 700,
    height = 300,
    margins = {left: 100, right: 100, top: 50, bottom: 50},
    title = "Taiwan refuse disposal",
    // chart series,
    // field: is what field your data want to be selected
    // name: the name of the field that display in legend
    // color: what color is the line
    chartSeries = [
      {
        field: 'total',
        name: 'Total',
        color: '#ff7f0e'
      }
    ],
    // your x accessor
    x = function(d) {
      return parseDate(d.month);
    },
    xScale = 'time';

HTML

<LineTooltip
  title={title}
  data={chartData}
  width={width}
  height={height}
  margins={margins}
  chartSeries={chartSeries}
  x={x}
  xScale={xScale}
/>
```

(Accompanying D3 example code)