# Design Approach

There are a number of considerations

1. To avoid namespace collisions in both the CSS and JS SSA code, all customizations will be prefixed with *bomachi\_*.
2. The custom JS has a flag, BOMACHI\_transform, which must be set True for restyling of the SSA page to occur.
   1. ToDo – implement page by page granularity.
3. The PureCSS grid system is employed.
   1. ToDo – explore alternatives – need grid system & buttons.
   2. ToDo – can just the grid & button components be download
4. A new master <SECTION> container will be added to the document into which the relevant SSA code will be relocated. This section will have an ID of *bomachi\_Styled* contain a class name derived from the document’s page id.
5. Three subsections will be added as children of *#bomachi\_Styled*:
   1. #bomachi\_Hdr
   2. #bomachi\_Body
   3. #bomachi\_Ftr

Each of these will, by default, be assigned the *pure-g* class so as to function as a grid.

1. Except where needed, all AA ID & Class information will be stripped for the re-styled elements, with bomachi\_ class names used.

# BOMA/Chicago Custom Widgets

**Page Header (#bomachi\_Hdr)**

1. Standard layout

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Normally blank* | Standard presentation of customer name & ID | *Normally blank*  On Bio Page, contains image. |
| Grid Class | . pure-u-3-24 | .pure-u-17-24 | .pure-u-1-6 |
| Class name(s) |  | .bomachi\_pg\_customer  .bomachi\_pg\_name  .pure-u-2-3  .bomachi\_pg\_id  .pure-u-1-3 | .bomachi\_pg\_optional |

1. JavaScript function
   1. pageHeader ({'name': ‘*customer name*’, 'id': ‘*customer id*’, 'opt3': ‘optional content’});

# Page Specific Customizations

**censsacustbio**

| **bomachi Section** | **SSA Item** | **Transformations** |
| --- | --- | --- |
| bomachi\_Hdr | Biographical image - | /js |
| 2 | JS syntax is checked using JSLint, and then minified with CodeKit | /jsck |
| 3. | The minified file is placed in the /final directory via Hazel | /final |

# Developers Workflow

## CSS

| **Step** | **Activity** | **Output Directory** | **File Extension** |
| --- | --- | --- | --- |
| 1 | Source is written as a series of SASS modules | /sass | .scss |
| 2 | SASS modules are pre-processed (compiled) via CodeKit into a single CSS file | /css | .css |
| 3. | Prefixes are added via a Gulp task, using the gulp-autoprefixer module. Prefixes are applied for:   * Last 3 versions * Browser share > 1% * IE7 & IE8 | /final | .css |

## Javascript

| **Step** | **Activity** | **Output Directory** | **File Extension** |
| --- | --- | --- | --- |
| 1 | Source is written | /js | .js |
| 2 | JS syntax is checked using JSLint, and then minified with CodeKit | /jsck | -ck.js |
| 3. | The minified file is placed in the /final directory via Hazel | /final | .js |