



Bootcamp: Front -End development Boot Camp

Project: A simple Grid system with SASS

Project Type: Mini-project

Requirement : SASS + HTML

Description :

As a front-end developer you need to develop a simple grid CSS library that is going to be used in a web site project. Requirement is as follow:

Grid is a 12 column system that uses 1120Px as maximum supported for our grid. All the grid should be developed with css flex-box module.

Break points are:

- Smaller than 479px : All column are 100% and in column format.
- Larger than 480px but smaller than 790: All columns are 50% and sit next to each other as a row.
- Larger than 791: All columns behave with normal size based on 12 columns grid with maximum size of 1120px.

Class name is `.column-x` which X can be number from 1 to 12. Column-1 is the smallest and column-12 is the largest column.

Note that there is gutter of 15px margin should be added to left and right of each column.

All columns are wrapped in a `.row` and all rows are wrapped in `.container`.

There are supporting classes to help making layout easier as well:

`.m-x`: add top and bottom margin and x can be a number between 1 to 5. `.m-1` means margin top and bottom of 1rem, `.m-2` means margin top and bottom of 2rem and so on.

Also we need to `mt-x` and `mb-x` which adds margin top or bottom respectively.



.row-justify-content: add `justify-content: flex-start | flex-end | center | space-between | space-around | space-evenly` to element with `.row`.

.row-align-items: add `align-items: stretch | flex-start | flex-end | center | baseline` to element with `.row`.

.Display-flex: changes display of an element to flex

.rtl: changes whole layout to RTL view.

For this task you need to use:

- Partial
- Nesting
- mixins
- Variables
- Interpolation
- At-Rules

Output:

Output is a `grid.css` file and `demo.html`