Bootstrap

Adding a responsive CSS Framework to our app www.getBootstrap.com

Bootstrap

https://www.w3schools.com/bootstrap4/default.asp

Why Bootstrap

- Free
- Most popular
- Responsive (Desktop to mobile devices)
- Nice looking styles
- Pre-defined "components"

- Other choices
 - Material (Google)
 - Foundation

Bootstrap and jQuery go hand-in-hand.

You can have jQuery without Bootstrap, but you "can't" have Bootstrap without jQuery.

Responsive?

https://www.w3schools.com/bootstrap4/default.asp

Responsive will adapt to the environment.

Mobile First Mind-Set

Mobile First means that's the starting point from which styles are based.

Behavior starts with the smallest device (mobile phone) and works up (desktop)

Behavior? CSS uses "Media Queries" to test the size of the browser window

https://www.w3schools.com/bootstrap4/bootstrap grid system.asp

Grid

https://www.w3schools.com/bootstrap4/trybs_template1.htm

Grid starts with a div that has either one of the two classes: **container** or **container-fluid**. Then the grid needs a div with a **row** class

01-bs-grid-demo-01.html

https://www.w3schools.com/bootstrap4/bootstrap grid stacked to horizontal.asp

Small content will appear side by side. Larger content will be stacked UNTIL you tell it what to do.

01-bs-grid-demo-02.html

Define column widths

- Same size: col
- Custom size: numbers should add up to 12

01-bs-grid-demo-03.html

Define column widths

Based on Screen Size

01-bs-grid-demo-04.html

https://www.w3schools.com/bootstrap4/default.asp

Grid

https://www.w3schools.com/bootstrap4/bootstrap_grid_system.asp

Extra Small: col, col-x, Small: col-sm, col-sm-x, Medium: col-md, col-md-x

Large: col-lg, col-lg-x

Extra Large: col-xl, col-xl-x

x = number that should add up to 12

Navbar

https://www.w3schools.com/bootstrap4/bootstrap navbar.asp

Responsive will adapt to the environment.

Navbar

https://www.w3schools.com/bootstrap4/tryit.asp?filename=trybs_navbar_collapse navbar-expand-sm (xl, lg, md)

https://www.w3schools.com/bootstrap4/bootstrap_navbar.asp

Go through Try it Yourself

02-demo-navbar.html

How to display your data

Small Content You *can* build it in JavaScript

How to display your data

Large Content
You *can* use an HTML template. It doesn't get rendered

Using HTML Template

Use JavaScript/jQuery to get the contents

Styles?

https://www.w3schools.com/bootstrap4/default.asp

- Colors
- Tables
- Images
- Jumbotron
- Alers
- Buttons
- Button Groups
- Badges
- Progress Bars
- Spinners
- Pagination

- List Groups
- Cards
- Dropdowns
- Collapse
- Navs
- Navbar
- Forms
- Inputs
- Input Groups
- Custom Forms
- Carousel
- ...

Components?

https://www.w3schools.com/bootstrap4/default.asp

- Alert
- Button
- Carousel
- Collapse
- Dropdown
- Modal
- Popover
- Tab
- Toasts
- Tooltip

Customizer

https://themestr.app/