Introduction To Responsive Web Design

Using Bootstrap

RESPONSIVE WEB DESIGN

CONTENT ADJUSTS TO DIFFERENT SCREEN LAYOUTS

Desktop/Laptop

Codetrain

Tablet

Codetrain

Mobile

Codetrain

Responsive layout

Codetrain

Codetrain

CSS Frameworks for Responsive Web Design

- Bootstrap
- Bulma
- Materialize
- Semantic UI
- Foundation

BOOTSTRAP

HOW TO BUILD RESPONSIVE WEBSITES

Codetrain

Getting Started With Bootstrap

1. Installation
2. Layout
3. Content
4. Components

Codetrain

Layout

- Bootstrap Grid System

  This is a powerful mobile-first flexbox grid used to build layouts of all shapes and sizes. It follows a twelve column system, and dozens of predefined classes.

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.container

.row

12 cols

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Two equal layouts: 12 / 2 = 6

Codetrain

Three equal layouts: 12 / 3 = 4

4 cols	4 cols	4 cols

Codetrain

Four equal layouts: 12 / 4 = 3

3 cols	3 cols	3 cols	3 cols

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Dynamic layouts

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Screen Sizes

xs - mobile

sm - tablet

md - laptop

lg - desktop

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How To Construct a Bootstrap Grid Class

col-[screen size]-[number of cols]

Eg. col-md-4

Now let's practise some Bootstrap!

INSTRUCTIONS

- In your web browser, go to the official bootstrap website (www.getbootstrap.com)
- Select v3.4.1 from the dropdown on the navbar
- Click on download bootstrap to download a fresh copy of the bootstrap package
- Extract the contents of the bootstrap zip file and copy all of the contents (thus css, js, fonts folders)
- Create a new folder on your desktop and name it “bootstrap_practice”
- Paste the content from the bootstrap folder to your “bootstrap_practice” folder
- Drag the “bootstrap_practice” folder to a new sublime text window
- Create a new html file (index.html) and code the basic html structure
- Link the bootstrap.css file in the head section of your html document
- Link the bootstrap.js file in the body of your html document. (It should be the last thing in your body tag)
- Download jQuery (v3 or above) and link it after your bootstrap.js in your body
- Create a new css file (styles.css) and link it to your html document (It should be after the bootstrap.css)
- Write code using bootstrap grid classes to build the grid layouts in the earlier slides (12, 13, 14, 15)

Thanks!

Codetrain
Mahama Block,
Accra Digital Centre - Accra Central

info@codetraingh.com
www.codetraingh.com