Web Design: HOWTO

UDACITY: Intro to HTML and CSS

https://www.udacity.com/course/intro-to-html-and-css--ud304

Intro to Course

- <u>Lesson 1</u>
  HTML, CSS, and Boxes

- <u>Lesson 2</u>
  CSS Framework. Responsive Layout

- <u>Lesson 3</u>
  Bootstrap

Previously on... *Leson 2*

Step 1 → **Grid Based** *layout*

Step 2 → **12 columns** *design*

Step 3 → **Responsive** *design (%)*

Step 4 → **Framework** *as collection of CSS classes*

Step 5 → **Negative space** *(padding & margin) &* **Overflows**

Step 6 → *Media Specific CSS (***Media Queries***)*

Step 7 → *CSS Resetting (***normalize.css***)*

Step 8 → *Useful* **fake images** *(lorempixel.com)*

Step 9 → *Typography (***Google Fonts***)*

Lesson 3. Bootstrap

How to how to build a static website using Twitter's Bootstrap framework.

Reading Documentation

Boostrap website → *CSS menu*

(Ex. : Grid system → predefined classes)

Choosing Features

Boostrap website → Customize button

→ *Check: Typography, Grid system and Modals*
→ *Press Compile and Download*
→ *Get your ZIP file for this lesson!*

Minified CSS Files

Uncompress the ZIP file and get...

→ *CSS files*
- *bootstrap-theme.css*
- *bootstrap-theme.min.css*
- *bootstrap.css*
- *bootstrap.min.css*

→ *JS files*
- *bootstrap.js*
- *bootstrap.min.js*

Exploring the Framework

Grid system

Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases. It includes predefined classes for easy layout options, as well as powerful mixins for generating more semantic layouts.
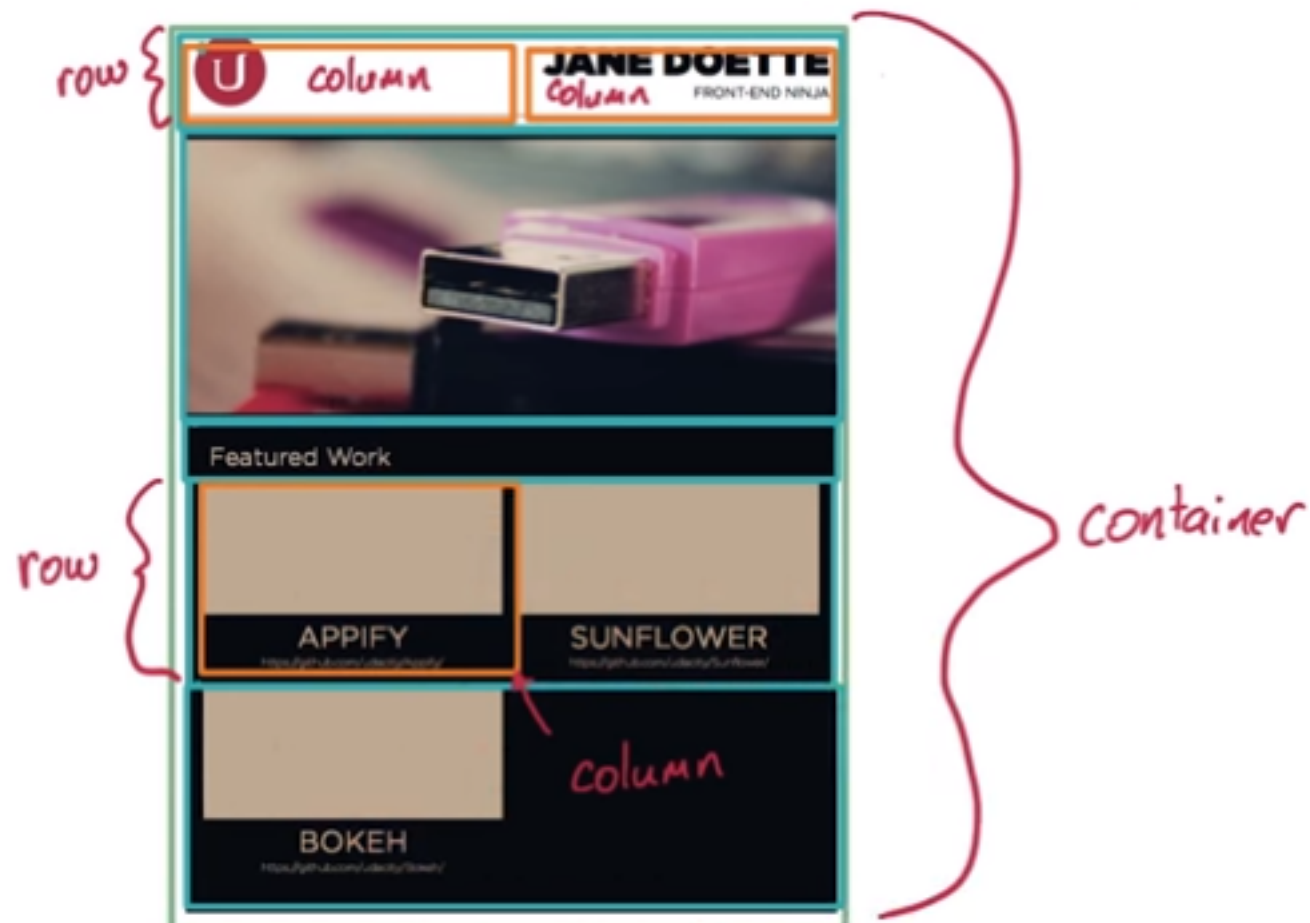
Introduction

Grid systems are used for creating page layouts through a series of rows and columns that house your content. Here's how the Bootstrap grid system works:

- Rows must be placed within a `.container` (fixed-width) or `.container-fluid` (full-width) for proper alignment and padding.
- Use rows to create horizontal groups of columns.
- Content should be placed within columns, and only columns may be immediate children of rows.
- Predefined grid classes like `.row` and `.col-xs-4` are available for quickly making grid layouts. Less mixins can also be used for more semantic layouts.
- Columns create gutters (gaps between column content) via `padding`. That padding is offset in rows for the first and last column via negative margin on `.row`s.

Exploring the Framework

Container [row1 [column1, column2...] row2...]

Applying Bootstrap Grid System
https://www.youtube.com/watch?v=zNXiqfxzzw8

Boostrap <u>grid system predefined classes</u> for this lesson...

→ **.container**

→ **.row**

→ **.col-md-1** *to* **.col-md-12**

Resource → bootstrap prestructure
Video solution →
https://www.youtube.com/watch?v=Fu-_kwAFX64

Responsive Page

Boostrap <u>responsive images predefined classes</u>
for this lesson...

→ **.img-responsive**

Using Bootstrap Typography

Bootstrap <u>typography predefined classes</u> for this lesson...

→ **.text-right**
→ **.text-uppercase**

Custom CSS for Your Site

Custom CSS

• add a new file to /css called style.css

bootstrap css
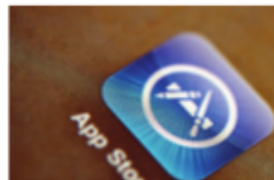
+

style css

Ejercicio 1

*Utiliza **Bootstrap** para realizar la siguiente web:*

Solución Ejercicio 1

Parte 1:

https://www.youtube.com/watch?v=5qhOqSVsZV4

Parte 2:

https://www.youtube.com/watch?v=BARSFNEwfv0