IAB207 – Rapid Web Application Development

2019 S2

Workshop 02
Let's Build A Web Application!

WORKSHOP

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Agenda

- Introduction
- Last Week Recap
- Outcomes
- HTML Exercises
- CSS Exercises

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Workshop Practice

- Work in pairs (two student "teams")
  - Will help you discuss and work together

- Complete the exercises individually
  - Both members in the team will have a hands-on experience.

- Choose different team members every week
  - Will help you form a team for your last assignment

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Last Week Recap

- Travel Web App (MVP)
- Review Existing Offering
- System Design

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Outcomes

- Hands on introduction to HTML
- Hands on introduction to CSS
- End up with a page ready for Bootstrap

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HTML INTRODUCTION

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Suggestions

- Visual Studio Code (editor)
  - Do not use Word (unless you're a glutton for punishment)
- Create an easy to locate folder for workshops

Exercise: HTML

- Create a basic "index.html" page
  - Standard structure of an HTML document (lecture)
  - Title: My Travel App
  - Displays only "Hello World" as a heading when opened in the browser.
- Need a hand?
  - https://git.io/fjSRs

Exercise: HTML

- Let's add some more content
  - Search for an image displaying the beauty of Italy
  - Add a subheading "Italy"
  - Create a short paragraph below the subheading with some text (https://www.lipsum.com/)
- Need a hand?
  - https://git.io/fjSRI

Exercise: HTML

- Let's give the page a bit more structure and life
  - Change "Hello World" to a more meaningful heading
  - Add a banner image for your page below the header
  - Add two more destinations with related images and descriptions after Italy.
  - Add navigation links above the banner image
  - Add a footer with copyright details
- Need a hand?
  - https://git.io/fjSRx

What have we done so far?

- Started with a basic structure

- Added some content

- Gave content structure

- Prepared content for styling

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CSS INTRODUCTION

CSS Selector

- ## Element Selector

```
p {
    color: green;
        }
```

```
 <p>content1</p>
…..
<p>content2</p>
```

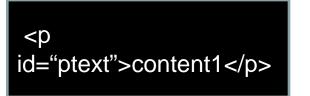- ## Class selector
  - Styles for a group of elements (could be of different types)

```
.gclr {
    color: green;
        }
```

```
<p class="gclr">…</p>
…..
<div class="gclr">…</div>
```

- ## Id selector
  - Style for a single element

```
#ptext {
    color: green;
        }
```

```
 <p
id="ptext">content1</p>
```

We look at two ways to include style

- <head> </head> section
  - Include styles in the tags `<style></style>` tag
  - Re-usable within the html

- Include a .css file
  - ```
    <head>
    <link rel="stylesheet" type="text/css"
    href="mystyle.css">
    </head>
    ```

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Good website to understand the power of CSS

www.csszengarden.com

Exercise: CSS

- Let's clean up the page overall
  - Change the font style for the page
  - Sort out the width and margin of the page
- Need a hand?
  - Create <style></style> within <head></head>
  - After <body> tag, create <div id="wrapper> and place closing </div> after </main> closing tag.
  - https://git.io/fjSrz

Exercise: CSS

- Let's clean up header section
  - Style the header
  - Style the navigation menu items
  - Style the banner image
- Need a hand?
  - https://git.io/fjSri

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Exercise: CSS

- Let's clean up the main area and footer
  - Using CSS Flexbox
  - Style the Top Destinations section
  - Arrange Italy, India, Oman side by side
  - Style the footer
- Need a hand?
  - https://git.io/fjSr7

QUESTIONS?

Have a nice day!

THANK YOU ☺