

Fundamentals of html & css

Page & Site Structure

Deployment

Templating

Style & Design

Web development

Lab 1-6 Review

Fundamentals of html & css

Lab-1.1: Editing HTML



```
index.html
1 <html>
2 <head>
3   <title>Starbuzz Coffee</title>
4 </head>
5
6 <body>
7   <h1>Starbuzz Coffee Beverages</h1>
8
9   <h2>House Blend, $1.49</h2>
10  <p>A smooth, mild blend of coffees from Mexico, Bolivia and Guatemala.</p>
11
12  <h2>Mocha Cafe Latte, $2.35</h2>
13  <p>Espresso, steamed milk and chocolate syrup.</p>
14
15  <h2>Cappuccino, $1.89</h2>
16  <p>A mixture of espresso, steamed milk and foam.</p>
17
18  <h2>Chai Tea, $1.85</h2>
19  <p>A spicy drink made with black tea, spices, milk and honey.</p>
20 </body>
21 </html>
22
```

editor · files · text · tags ·
browser · reference

Lab-1.2: HTML Structure



Welcome to the App Bundle Store

This store brings you great app bundles week after week. We select the best power user apps from a broad range of our highest quality apps from the best publishers, at great prices.

Whether you are interested in gaming or graphics design, software development or media production - we have the bundle for you. Each app bundle is designed to complement the others, delivering you an exciting take on a genre.

Favourites

- Hype by Turnoff
- Webstorm by idea
- Sublime by sublimehq.com
- Desktop Utility by Sweet Productions

folders · head · title · link ·
image · references

Lab-2 CSS Intro



```
<!DOCTYPE HTML>
<html>
<head>
<title>APP Stores</title>
<link type="text/css" rel="stylesheet" href="style.css" media="screen" />
</head>
<body>
<h1>Score: Apps, Movies, Music, Books</h1>
<div class="main_panel">
  <div class="Games">
    <li><Clear All</li>
    <li><Google Box</li>
    <li><Squinks</li>
  </li>
</div>
</body>
</html>
```

inheritance · classes · fonts ·
colours · indentation · best
practices

Lab-3a Layout



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Weekly Specialists

Mac Supercharge Bundles

Learn a long time since the last time Mac bundles that...
Mac OS X Supercharge Bundle
Learn a long time since the last time Mac bundles that...
Mac OS X Supercharge Bundle
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- Desktop Utility by Sweet Productions

What's Apps we Like

fonts · content · images ·
classes · folding editor · sidebar
· float

Page & Site Structure

Lab-3b Multicolumn



Lorem ipsum dolor sit

- Mauris
- Cras
- Proin
- Integer
- Curabitur
- Integer
- Suspendisse
- Quisque

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Nulla facilisi. Aliquam dapibus leo eget leo. Etiam vitae turpis sit amet massa posuere cursus. Sed vitae justo quis tortor facilisis ultrices. Integer id erat. Donec at felis id erat interdum vestibulum. Quisque et eros. Donec fringilla, est in condimentum venenatis, tortor velit vehicula sem, in elementum quam sapien eu lectus. In dolor urna, ultracorpor vel, semper sit amet, semper ut, felis. Praesent nisi.

header · maincontent ·
navigation · footer · primary ·
secondary

Lab-4a Navigation



Lorem ipsum dolor sit

Mauris Cras Proin Integer Curabitur Integer Suspendisse Quisque

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Praesent nisi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque mauris turpis eu purus.

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Nulla facilisi. Aliquam dapibus leo eget leo. Etiam vitae turpis sit amet massa posuere cursus. Sed vitae justo quis tortor facilisis ultrices. Integer id erat. Donec at felis id erat interdum vestibulum. Quisque et eros. Donec fringilla, est in condimentum venenatis, tortor velit vehicula sem, in elementum quam sapien eu lectus. In dolor urna, ultracorpor vel, semper sit amet, semper ut, felis. Praesent nisi.

Proin quis orci eu erat molestie varius. Praesent condimentum orci in lectus. Ut ipsum. In hac habitasse platea dictumst.

nav · tab · current · padding ·
border · menu · li · ul

Lab-4b Case Study



header · main · nav · aside ·
article · footer · section · figure

Deployment

Lab-5a Harp &
Surge



Install software tools to serve a web site locally and also to deploy the web site to a public web server.

Templating

Lab-5b Templating



```
├─ harp.json
├─ public
│   └─ assets
│       ...
│   └─ includes
│       ├── _curriculum.ejs
│       ├── _footer.ejs
│       ├── _header.ejs
│       ├── _sponsors.ejs
│       └── _summary.ejs
│   └─ index.ejs
│   └─ strands
│       ├── _layout.ejs
│       ├── data.ejs
│       ├── devices.ejs
│       ├── maths.ejs
│       ├── networks.ejs
│       ├── programming.ejs
│       └── project.ejs
└─ style.css
```

Rebuild the IoT web site from the last lab using templating. This version of the site will aim to significantly reduce the content the author has to manage by reusing 'templates' containing common sections.

Lab-5c Templating & Nav



Rework the tabbed navigation site from lab 04 to use EJS template

Style & Design

Lab-6a Semantic UI



Department of Computing & Mathematics
BSc (Hons) the Internet of Things

BACHELOR OF SCIENCE (HONS) IN APPLIED COMPUTING PROGRAMS FOR THE IoT

Program your World
An exciting new level 6 Honours degree for 2019. Learn programming and Electronics and learn how to code cool devices, play with the physical world, create

Programming	Data Science	Devices
Learn a broad range of programming and problem solving skills, including exciting new platforms, software tools and languages. Use these skills to build apps for mobile, cloud and device based IoT applications. Evolve a portfolio of fascinating applications.	At the heart of many IoT applications is data: measurements, events, alerts and other information that must be relayed, stored and ultimately turned into knowledge. Learn the fundamentals of modern approaches to data in this strand.	The 'Things' we connect to are often physical devices. These can range from simple temperature sensors to sophisticated control systems like traffic lights or cameras. Connecting to and interacting with the physical world is the subject of this strand.

Rebuild the iot web site using semantic-ui

Lab-6b Semantic UI



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Programming Learn a broad range of programming and problem solving skills, including exciting new platforms, software tools and languages. Use these skills to build apps for mobile, cloud and device based IoT applications. Evolve a portfolio of fascinating applications.	Data Science At the heart of many IoT applications is data: measurements, events, alerts and other information that must be relayed, stored and ultimately turned into knowledge. Learn the fundamentals of modern approaches to data in this strand.	Devices The 'Things' we connect to are often physical devices. These can range from simple temperature sensors to sophisticated control systems like traffic lights or cameras. Connecting to and interacting with the physical world is the subject of this strand.
Science	Project	Mathematics

TSSG c t r g

Continue to enhance the IoT web site with additional Semantic-UI styles & Components

https://github.com/wit-computing/iot-web

wit-computing / iot-web

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No description, website, or topics provided. [Edit](#)

New [Add topics](#)

43 commits 1 branch 9 releases 1 contributor











































Branch: master [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

 edeleastar removed semantic and link to CDN hosted versions. Latest commit 6795681 on 8 Feb 2016











































 public	removed semantic and link to CDN hosted versions.	a year ago
 .gitignore	initial empty project	a year ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

s on Feb 8, 2016

removed semantic and link to CDN hosted versions. edeleestar committed on 8 Feb 2016	 6795681	
stackable sections on the home page edeleestar committed on 8 Feb 2016	 c4d366f	
render banner image to edge of page edeleestar committed on 8 Feb 2016	 b04c232	
updated layout in data strand edeleestar committed on 8 Feb 2016	 5502270	
all strand pages now include grid model edeleestar committed on 8 Feb 2016	 6419d01	
programming page incorporates grid for main content edeleestar committed on 8 Feb 2016	 4293fee	
stacked segment experiments edeleestar committed on 8 Feb 2016	 3291ae5	
incorporate icons + simplify grid edeleestar committed on 8 Feb 2016	 f3bf7a7	
coloured sections in curriculum edeleestar committed on 8 Feb 2016	 cc7c7ed	
revised footer including icons edeleestar committed on 8 Feb 2016	 9638f4a	
spacing edeleestar committed on 8 Feb 2016	 07678b1	
final tidy up edeleestar committed on 8 Feb 2016	 9324249	
curriculum section transitioned to a grid section edeleestar committed on 8 Feb 2016	 0b77615	
upgraded sponsors section to use grid edeleestar committed on 8 Feb 2016	 ecb973c	
revised header on all strand pages edeleestar committed on 8 Feb 2016	 3b641a4	
revised head section to use grid and alignment edeleestar committed on 8 Feb 2016	 fc53499	
correct semantic.css path + introduce segment to all strand pages edeleestar committed on 8 Feb 2016	 36ee06e	
ui container for all strand pages edeleestar committed on 8 Feb 2016	 10b827a	
header, footer + sponsor segments edeleestar committed on 8 Feb 2016	 1315ac3	
ui container for main pages edeleestar committed on 8 Feb 2016	 62754c4	
include semantic.css, remove old hand coded styles. edeleestar committed on 8 Feb 2016	 a136fc0	

ts on Oct 26, 2015

semantic elements in all strands edeleestar committed on 26 Oct 2015	 f028f86	
semantic elements introduced edeleestar committed on 26 Oct 2015	 5d7f11e	
adjust font href to include protocol for static loading edeleestar committed on 26 Oct 2015	 12164c8	
use OpenSans on all pages edeleestar committed on 25 Oct 2015	 ddf45b1	
switch home page to Open Sans web font edeleestar committed on 25 Oct 2015	 acf8484	
adjust margin of summary edeleestar committed on 25 Oct 2015	 5193eaa	
restructure home page to use rules: including banner background + 2 c... edeleestar committed on 25 Oct 2015	 33c083c	
introduce new layout rules to rearrange home page edeleestar committed on 25 Oct 2015	 41a1839	
footer image sizing edeleestar committed on 25 Oct 2015	 eeec760	
modules images height rules edeleestar committed on 25 Oct 2015	 888f6cb	
styling main images in strands edeleestar committed on 25 Oct 2015	 01ebf8a	
header + footer classes introduced edeleestar committed on 25 Oct 2015	 f5c7680	
header and footer styles + index changes edeleestar committed on 25 Oct 2015	 d84c2b9	
first version of style.css - margin auto for body edeleestar committed on 25 Oct 2015	 f7acabd	
strand header + footer + image repositioning edeleestar committed on 25 Oct 2015	 45e0181	
links to strands from index edeleestar committed on 25 Oct 2015	 20f2f83	
all strand pages edeleestar committed on 25 Oct 2015	 7bb6c7	
image assets for all strands edeleestar committed on 25 Oct 2015	 1b64b99	
home page image assets + image elements edeleestar committed on 25 Oct 2015	 54cb4ab	
home page textual content edeleestar committed on 25 Oct 2015	 2d562ec	
initial empty project edeleestar committed on 25 Oct 2015	 bd7c007	

Lab-4b Case Study



header · main · nav · aside ·
article · footer · section · figure

s on Oct 25, 2015

first version of style.css - margin auto for body

edelestar committed on 25 Oct 2015



f7acabd



strand header + footer + image repositioning

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45e0181



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20f2f83



all strand pages

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image assets for all strands

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Lab-4b Case Study



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bd7c807



Lab-6a

Semantic UI



Rebuild the iot web site using semantic-ui

final tidy up

edelestar committed on 8 Feb 2016



9324249



curriculum section transitioned to a grid section

edelestar committed on 8 Feb 2016



0b77615



upgraded sponsors section to use grid

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3b641a4



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fc53499



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36ee06e



ui container for all strand pages

edelestar committed on 8 Feb 2016



10b827a



header, footer + sponsor segments

edelestar committed on 8 Feb 2016



1315ac3



ui container for main pages

edelestar committed on 8 Feb 2016



62754c4



include semantic.css, remove old hand coded styles.

edelestar committed on 8 Feb 2016



a136fc0



Lab-6b

Semantic UI



Continue to enhance the IoT web site with additional Semantic-UI styles & Components

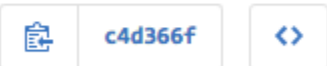
removed semantic and link to CDN hosted versions.

edelestar committed on 8 Feb 2016



stackable sections on the home page

edelestar committed on 8 Feb 2016



render banner image to edge of page

edelestar committed on 8 Feb 2016



updated layout in data strand

edelestar committed on 8 Feb 2016



all strand pages now include grid model

edelestar committed on 8 Feb 2016



programming page incorporates grid for main content

edelestar committed on 8 Feb 2016



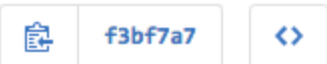
stacked segment experiments

edelestar committed on 8 Feb 2016



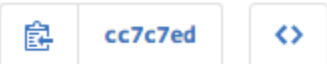
incorporate icons + simplify grid

edelestar committed on 8 Feb 2016



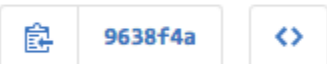
coloured sections in curriculum

edelestar committed on 8 Feb 2016



revised footer including icons

edelestar committed on 8 Feb 2016



spacing

edelestar committed on 8 Feb 2016

