


# Web Development Labs 1-6

### Lab-01 HTML Structure



Welcome to the App Bundle Store

folders · head · title · link · image · references

### Lab-02 CSS Intro

```
code
```

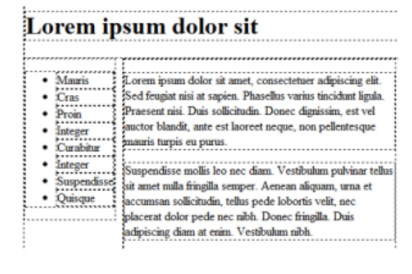
inheritance · classes · fonts · colours · indentation · best practices

### Lab-03a Layout



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


### Lab-03b Multicolumn




header · maincontent · navigation · footer · primary · secondary

### Lab-04 Navigation

Devise a simple navigation metaphor for a web site.




### Lab-05a Harp & Surge



PLAY VIDEO

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

### Lab-05b Templates




Refactor the bundle-store site to use EJS templates

### Lab-06a Nav Params



Introduce semantic elements. Define a parametrised navigation partial

### Lab-06b Semantic-UI



Create a revised version of bundle-store using the Semantic UI CSS framework.

Fundamentals of html & css

Page & Site Structure

Deployment

Templating

Style & Design

# Fundamentals of html & css

## Lab-00 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>Hocha Cafe Latte, $2.35</h2>
13 <p>Espresso, steamed mild 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
```

Introduction to Editing and viewing a html page

## Lab-01 HTML Structure



folders · head · title · link · image · references

## Lab-02 CSS Intro



```
<!DOCTYPE HTML>
<html>
<head>
<title>APP Store</title>
<link type="text/css" rel="stylesheet" href="style.css" media="screen" />
</head>
<body>
<h1>Score: Apps, Movies, Music, Books</h1>
<ul>
<li><a href="apps.html">Apps</a></li>
<li><a href="music.html">Music</a></li>
<li><a href="movies.html">Movies</a></li>
</ul>
<div class="main_panel">
<h2>New Games</h2>
<ul>
<li>Clear All</li>
<li>Google Box</li>
<li>Squinks</li>
</ul>
</div>
</body>
</html>
```



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

## Lab-03a Layout




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


# Page & Site Structure

|   |   |   |   |
|---|---|---|---|
| <p>Lab-03b </p> <p>Multicolumn</p>   | <p>Lab-04 </p> <p>Navigation</p>   |   |   |
| <p><b>Lorem ipsum dolor sit</b></p> <table border="1"><tr><td data-bbox="926 664 1079 930"><ul style="list-style-type: none"><li>• Mauris</li><li>• Cras</li><li>• Proin</li><li>• Integer</li><li>• Curabitur</li><li>• Integer</li><li>• Suspendisse</li><li>• Quisque</li></ul></td><td data-bbox="1079 664 1536 973"><p>&gt;Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Praesent risi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque mauris turpis eu purus.</p><p>Suspendisse mollis leo nec diam. Vestibulum pulvinar tellus sit amet nulla fringilla semper. Aenean aliquam, urna et accumsan sollicitudin, tellus pede lobortis velit, nec placerat dolor pede nec nibh. Donec fringilla. Duis adipiscing diam at enim. Vestibulum nibh.</p></td></tr></table> | <ul style="list-style-type: none"><li>• Mauris</li><li>• Cras</li><li>• Proin</li><li>• Integer</li><li>• Curabitur</li><li>• Integer</li><li>• Suspendisse</li><li>• Quisque</li></ul>   | <p>&gt;Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Praesent risi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque mauris turpis eu purus.</p> <p>Suspendisse mollis leo nec diam. Vestibulum pulvinar tellus sit amet nulla fringilla semper. Aenean aliquam, urna et accumsan sollicitudin, tellus pede lobortis velit, nec placerat dolor pede nec nibh. Donec fringilla. Duis adipiscing diam at enim. Vestibulum nibh.</p> | <p><b>Lorem ipsum dolor sit</b></p> <p><b>Mauris</b> Cras Proin</p> |
| <ul style="list-style-type: none"><li>• Mauris</li><li>• Cras</li><li>• Proin</li><li>• Integer</li><li>• Curabitur</li><li>• Integer</li><li>• Suspendisse</li><li>• Quisque</li></ul>   | <p>&gt;Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Praesent risi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque mauris turpis eu purus.</p> <p>Suspendisse mollis leo nec diam. Vestibulum pulvinar tellus sit amet nulla fringilla semper. Aenean aliquam, urna et accumsan sollicitudin, tellus pede lobortis velit, nec placerat dolor pede nec nibh. Donec fringilla. Duis adipiscing diam at enim. Vestibulum nibh.</p> |   |   |
| <p>header · maincontent ·<br/>navigation · footer · primary ·<br/>secondary</p>   | <p>Devise a simple navigation metaphor for a web site.</p>  |   |   |




# Templates & Deployment


Lab-05a Harp & Surge 




[PLAY VIDEO](#)


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

Lab-05b Templates 



Refactor the bundle-store site to use EJS templates

Lab-06a Nav Params 



Introduce semantic elements.  
Define a parametrised navigation partial

# Style & Design

Lab-06b  
Semantic-UI



Create a revised version of  
bundle-store using the  
Semantic UI CSS framework.

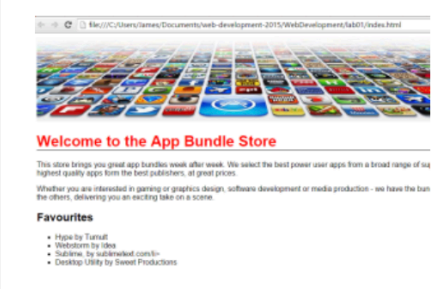
# Web Project Source Repositories

<https://github.com/wit-hdip-comp-sci-2019/bundle-store>

<https://github.com/wit-hdip-comp-sci-2019/grid-layout>

<https://github.com/wit-hdip-comp-sci-2019/bundle-store-ejs>

### Lab-01 HTML Structure



Welcome to the App Bundle Store


folders · head · title · link · image · references

### Lab-02 CSS Intro

```
code
```


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

### Lab-03a Layout



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

### Lab-03b Multicolumn




header · maincontent · navigation · footer · primary · secondary

### Lab-04 Navigation

Devise a simple navigation metaphor for a web site.

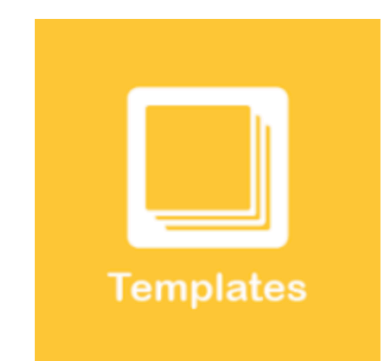
### Lab-05a Harp & Surge



PLAY VIDEO

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

### Lab-05b Templates




Refactor the bundle-store site to use EJS templates

### Lab-06a Nav Params



Introduce semantic elements. Define a parametrised navigation partial

### Lab-06b Semantic-UI



Create a revised version of bundle-store using the Semantic UI CSS framework.



- move horizontal bar to below nav  
edeleastar committed 16 days ago ✓
- include nav section in each page  
edeleastar committed 16 days ago
- incorporate nav.css  
edeleastar committed 16 days ago
- refactor site to use grid stylesheet  
edeleastar committed 16 days ago

Commits on Jan 26, 2019

- image adjustments  
edeleastar committed on 26 Jan ✓
- grid rules  
edeleastar committed on 26 Jan
- new section + divs to structure content  
edeleastar committed on 26 Jan
- comprehensive style of guarantee  
edeleastar committed on 26 Jan
- background image asset  
edeleastar committed on 26 Jan
- target guarantee will specific rule  
edeleastar committed on 26 Jan
- introduce guarantee paragraph  
edeleastar committed on 26 Jan

Commits on Jan 23, 2019


- lab exercises  
edeleastar committed on 23 Jan
- introduce special class  
edeleastar committed on 23 Jan

Commits on Jan 22, 2019

- new deals page + assets  
edeleastar committed on 22 Jan
- updated styles  
edeleastar committed on 22 Jan

- lab.05.start ...  
fe84f73 zip tar.gz
- lab.05.end ...  
544398c zip tar.gz
- lab.03.start ...  
f048921 zip tar.gz
- lab.03.exercises ...  
12a1dfc zip tar.gz
- lab.03.end ...  
788f928 zip tar.gz
- lab.02.exercises ...  
e07d737 zip tar.gz
- lab.02.end ...  
fb7d830 zip tar.gz
- lab.01.exercises ...  
df421ef zip tar.gz
- lab.01.end ...  
9bbd44f zip tar.gz

### Lab-01 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 mobile 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 Tarrall
- WebStorm by Idea
- Sublime by sublimetext.com
- Desktop Unity by Sweet Productions

folders · head · title · link · image · references

### Lab-02 CSS Intro

```
<!DOCTYPE HTML>
<html>
<head>
<title>APP Store</title>
<link type="text/css" rel="stylesheet" href="style.css" media="screen" />
</head>
<body>
<div>Score: Apps, Movies, Music, Books</div>
<div>
<div href="apps.html">Apps</div>
<div href="music.html">Music</div>
<div href="movies.html">Movies</div>
</div>
<div class="main_panel">
<div>
<div>
Clear All</div>
Google Now</div>
Squidk</div>
</div>
</div>
</body>
</html>
```

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

### Lab-03a Layout



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.

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**What's Apps we Like**

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



center align header & nav

edelestar committed 21 days ago ✓

refactor style sheets into single directory

edelestar committed 21 days ago ✓

rule to enable active item

edelestar committed 21 days ago

tag active li in each navigation section

edelestar committed 21 days ago

pad navigation items

edelestar committed 21 days ago

new nav.css sheet - switch nav menu to inline

edelestar committed 21 days ago

introduce nav id to all menu sections

edelestar committed 21 days ago

reorient grid to three column structure

edelestar committed 21 days ago

Commits on Feb 4, 2019

include sheets in home.css

edelestar committed 22 days ago

factor grid and image into separate sheets

edelestar committed 22 days ago

Commits on Jan 30, 2019

introduce and place images

edelestar committed 27 days ago ✓

Commits on Jan 27, 2019

extend to a simple navigable site

edelestar committed on 27 Jan ✓

remove gridlines

edelestar committed on 27 Jan

lab.04.start ...

495f86f zip tar.gz

lab.04.exercises ...

af6b0f1 zip tar.gz

lab.04.end ...

d917eb9 zip tar.gz

lab.3b.exercises ...

0043276 zip tar.gz

lab.03b.end ...

ddb366e zip tar.gz

Lab-03b Multicolumn

>Lorem ipsum dolor sit

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

header · maincontent · navigation · footer · primary · secondary


Lab-04 Navigation

>Lorem ipsum dolor sit

Mauris Cras Proin

Devise a simple navigation metaphor for a web site.

Lab-05a Harp & Surge



PLAY VIDEO

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

section

 edeleastar committed 9 days ago ✓

main + article

 edeleastar committed 9 days ago

nav + aside

 edeleastar committed 9 days ago

header + footer element

 edeleastar committed 9 days ago

Commits on Feb 11, 2019

include compiled version of site for deployment

 edeleastar committed 15 days ago ✓

Commits on Feb 10, 2019

add id as paramater to all nav include

 edeleastar committed 16 days ago

include ids in \_nav

 edeleastar committed 16 days ago

include nav on all pages

 edeleastar committed 16 days ago

first version of nav

 edeleastar committed 16 days ago

refactor sidebar into secondary

 edeleastar committed 16 days ago

include sidebar on all pages

 edeleastar committed 16 days ago

move secondary content from main to new \_sidebar |

 edeleastar committed 16 days ago

move header/footer includes into layout

 edeleastar committed 16 days ago

refactor all pages to use \_layout

 edeleastar committed 16 days ago

lab.06a.end ...


 88e6609  zip  tar.gz

lab.06a.start ...


 d38051d  zip  tar.gz

lab05.b.end ...


 1aa46b9  zip  tar.gz

Lab-05b 


Templates



Refactor the bundle-store site to use EJS templates

Lab-06b 

Semantic-UI



Create a revised version of bundle-store using the Semantic UI CSS framework.

# Web Project Repositories

Bundle Store



Web project source from  
Lab 01, 02, 03, & 05

[Grid Layout](#)



Web project source from  
Lab 03 & 04

Bundle Store



- Templates



Web project source from  
Lab 06 & 06