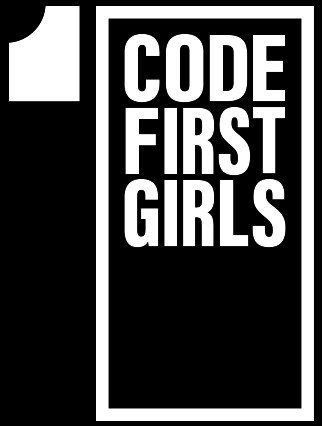
WELCOME TO CFG

YOUR INTRODUCTION TO WEB DEVELOPMENT



TECH SHOULDN'T JUST BE A BOYS CLUB.

OUR DECREE

We start from scratch

We **practice** a lot

We work **together**

We **have fun**

There are no silly questions

Our goal is to **learn**

We gain **a new skill**

We meet new **friends**

OUR ULTIMATE GOAL

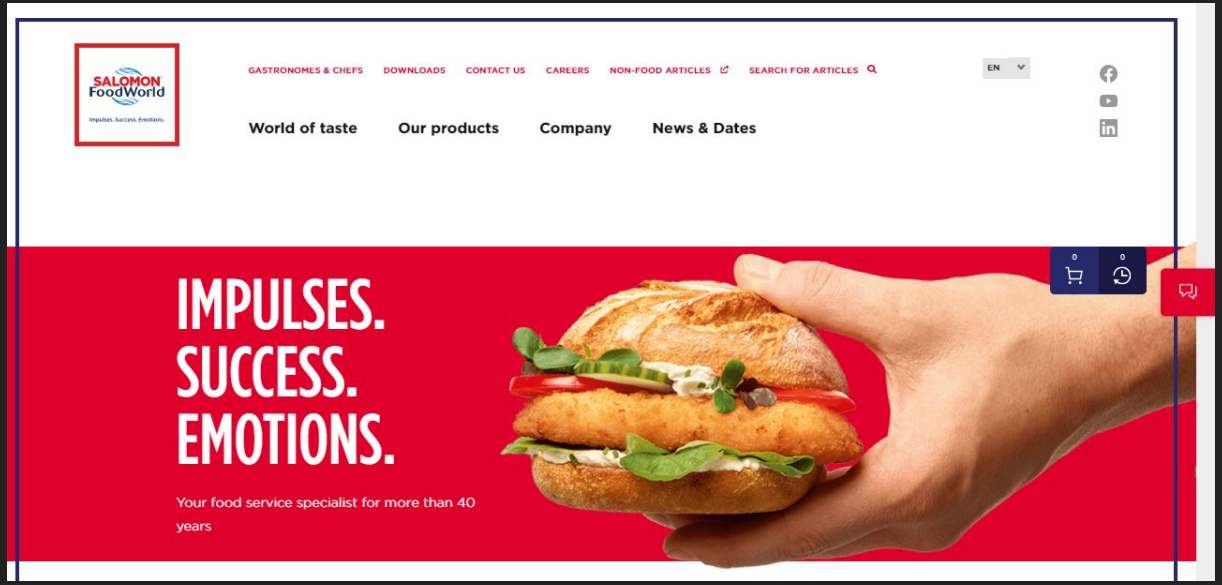
Build a quality static **website**

Gain a basic **professional skill**

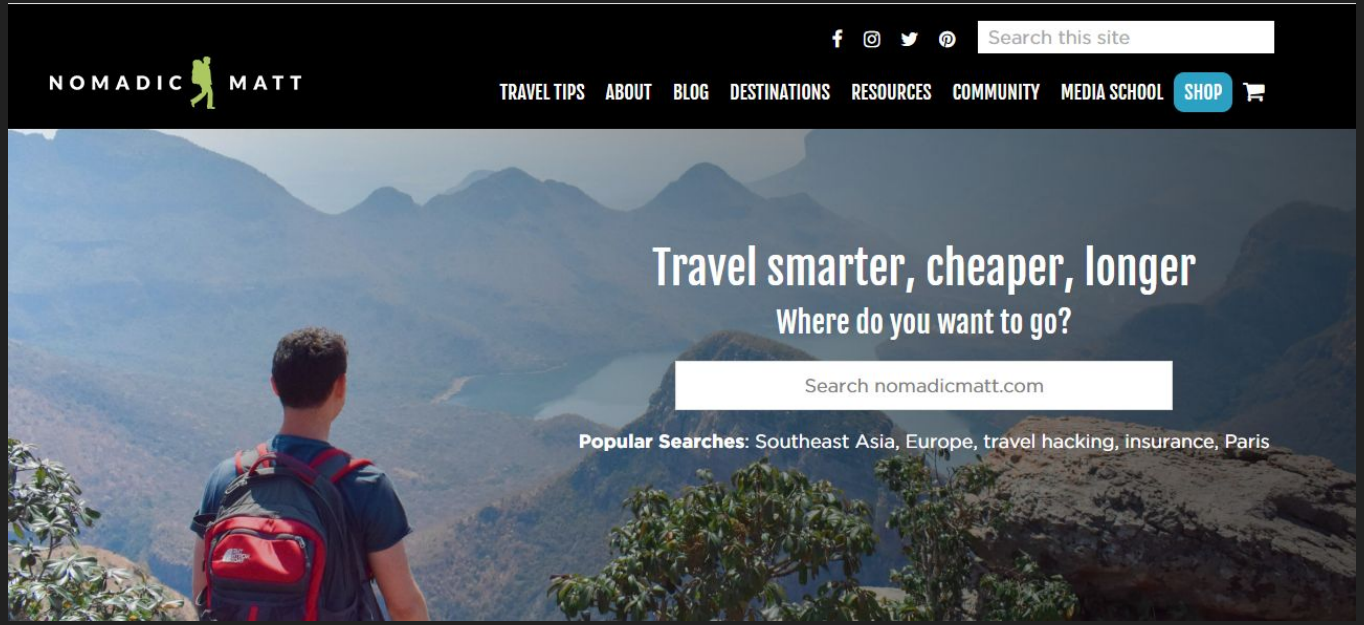
Marry up **technical** expertise with your **creative ability**

Improve our technical **confidence**

EXAMPLES OF BASIC WEBSITES



EXAMPLES OF BASIC WEBSITES



EXAMPLES OF BASIC WEBSITES

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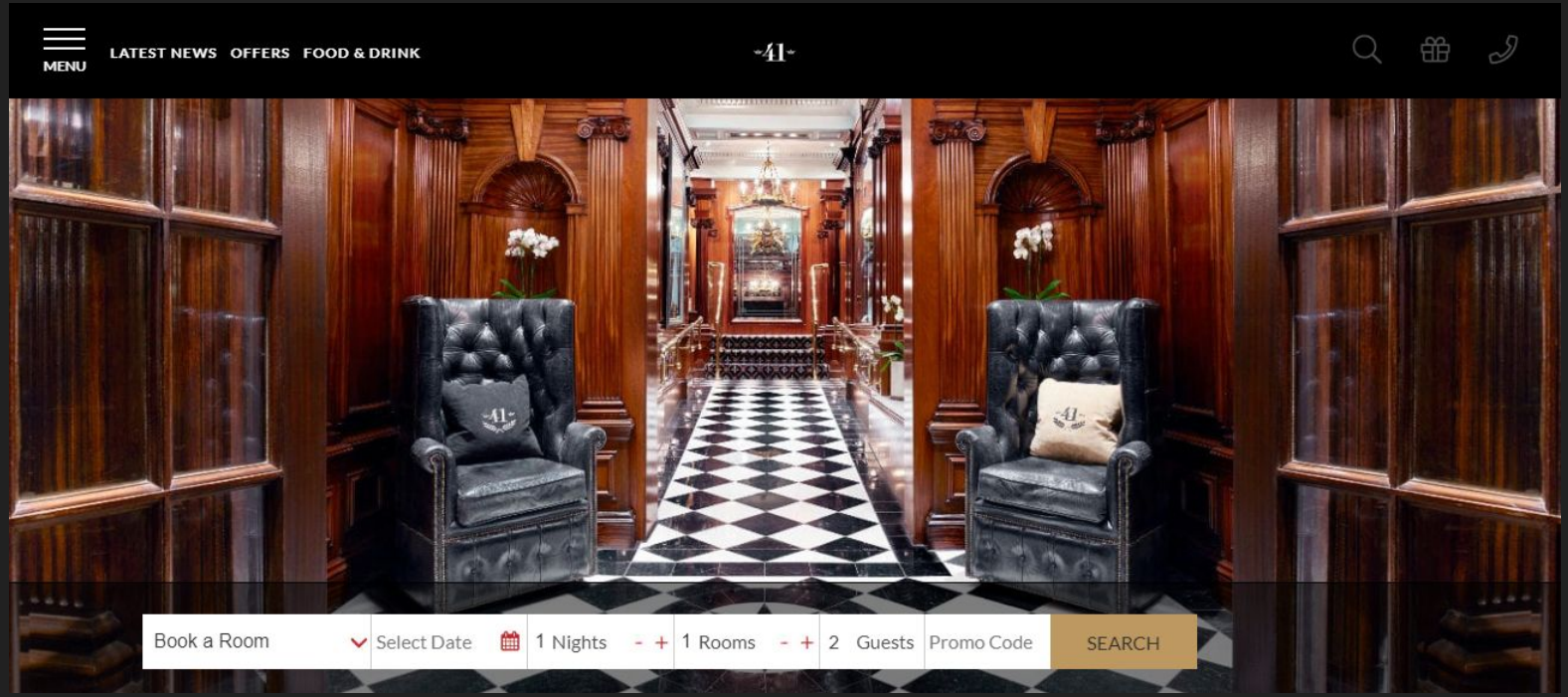
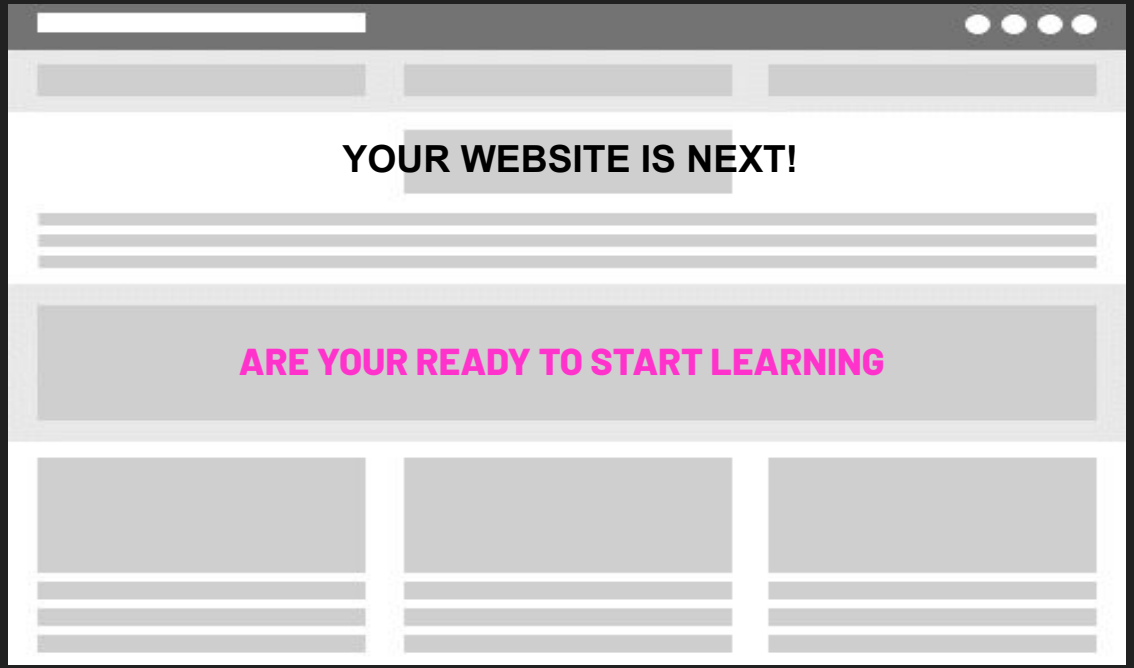


EXAMPLES OF BASIC WEBSITES



COURSE JOURNEY

HTML

MODULE 01

CSS

MODULE 02

Recap
Project
design

MODULE 03

Bootstrap

MODULE 04

JavaScript

MODULE 05

UI/UX
Accessibility

MODULE 06

Github
Pages
Project
work

MODULE 07

Project
presentations

MODULE 08

INTRODUCTIONS

01 HTML BASICS

What is HTML and what it is used for?

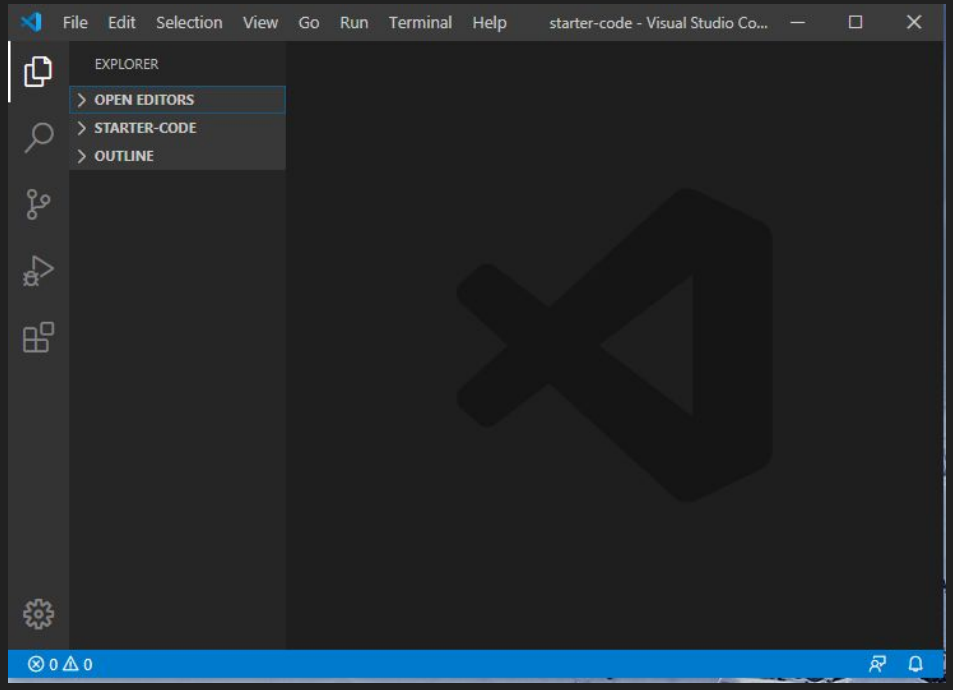
Learn basic HTML syntax

Learn how to structure and build a HTML page

Complete interesting practical exercises

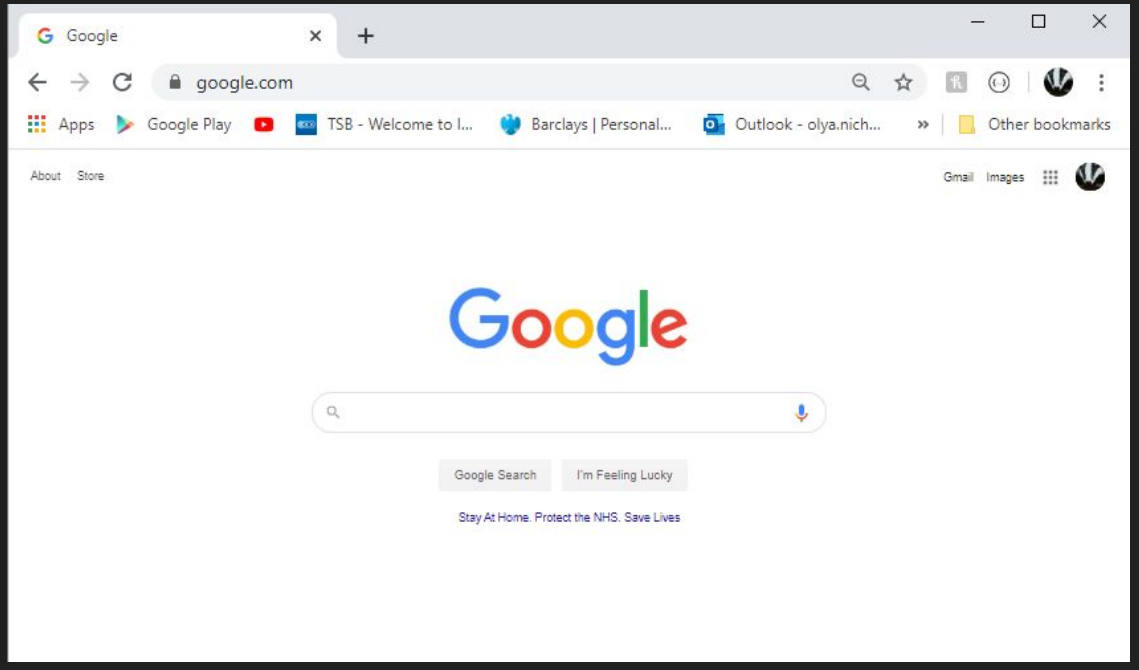
GETTING STARTED - TOOLS

VISUAL STUDIO



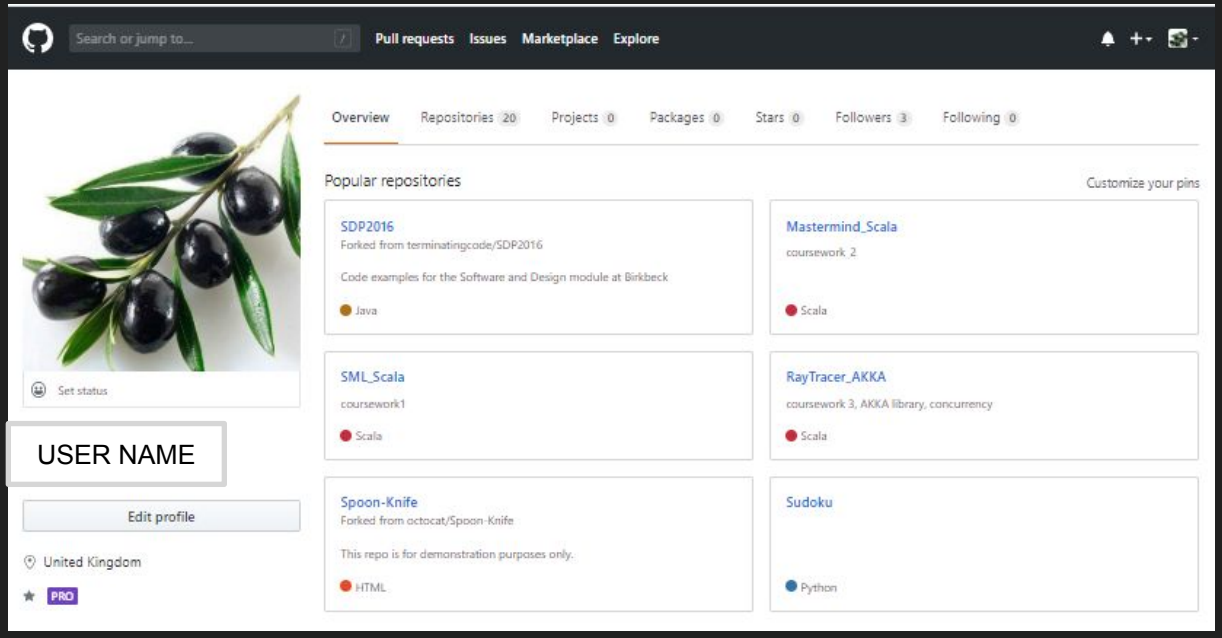
GETTING STARTED - TOOLS

CHROME BROWSER



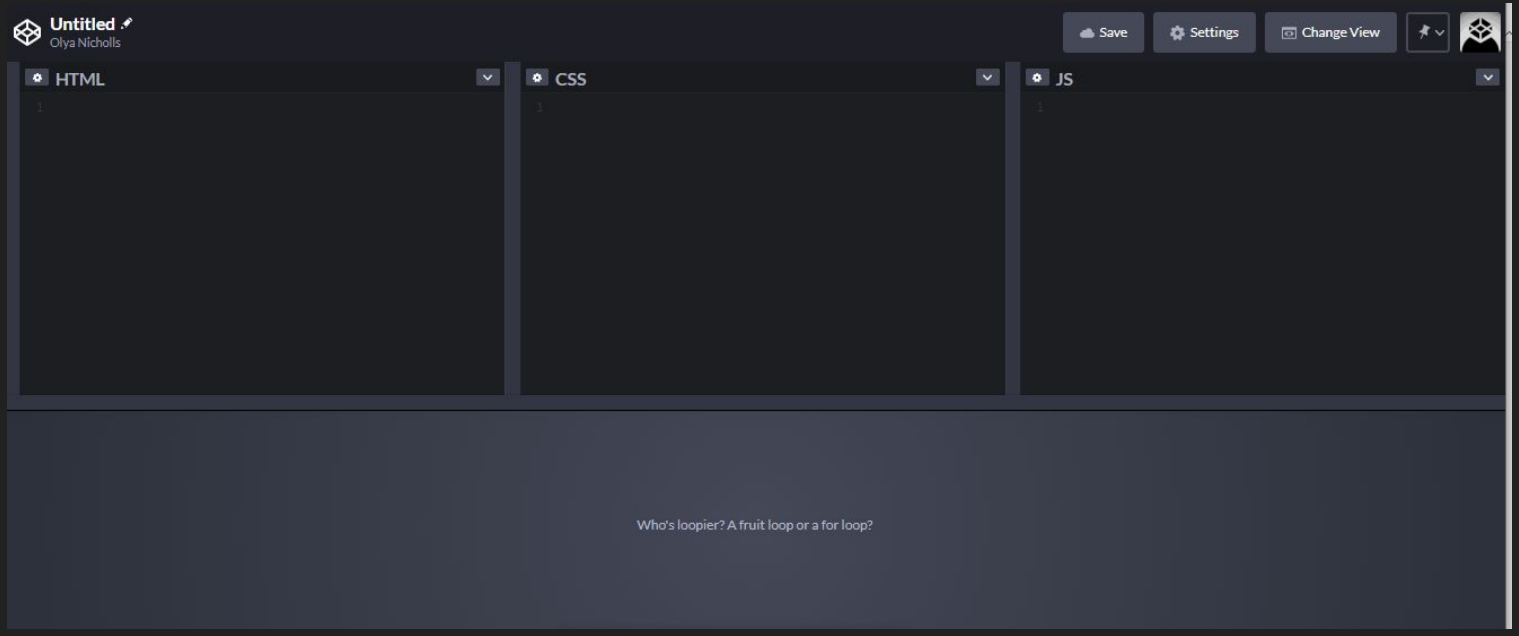
GETTING STARTED – TOOLS

GITHUB ACCOUNT

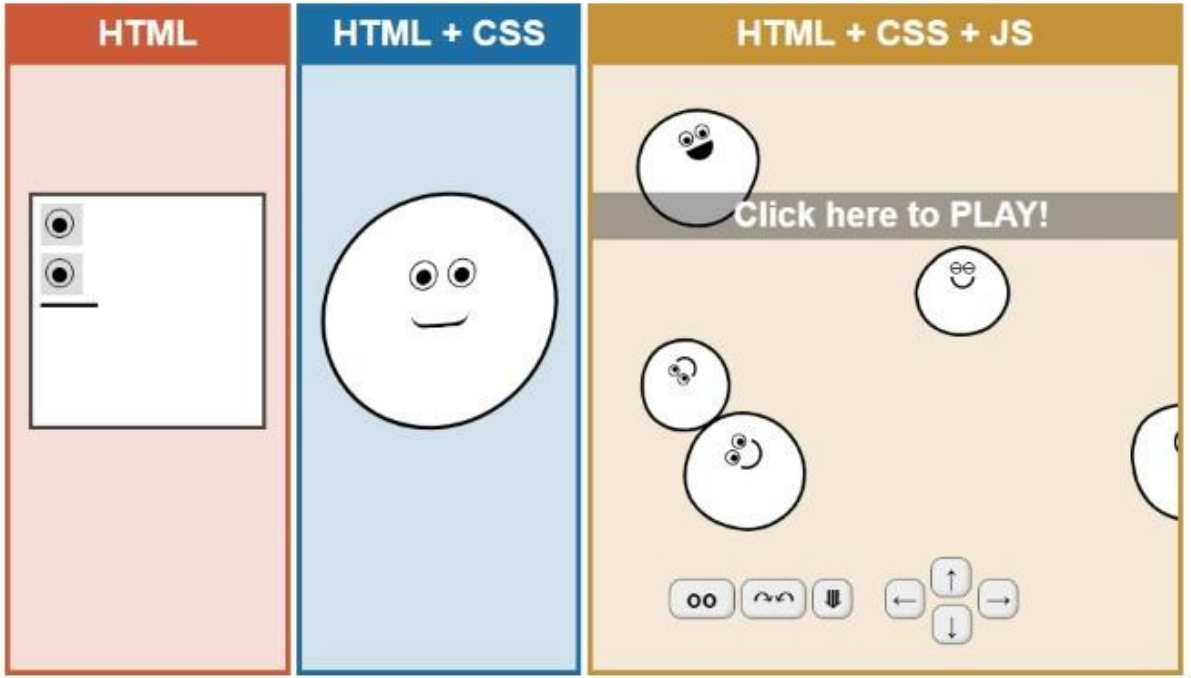


GETTING STARTED - TOOLS

CODEPEN



HOW A WEBSITE IS MADE



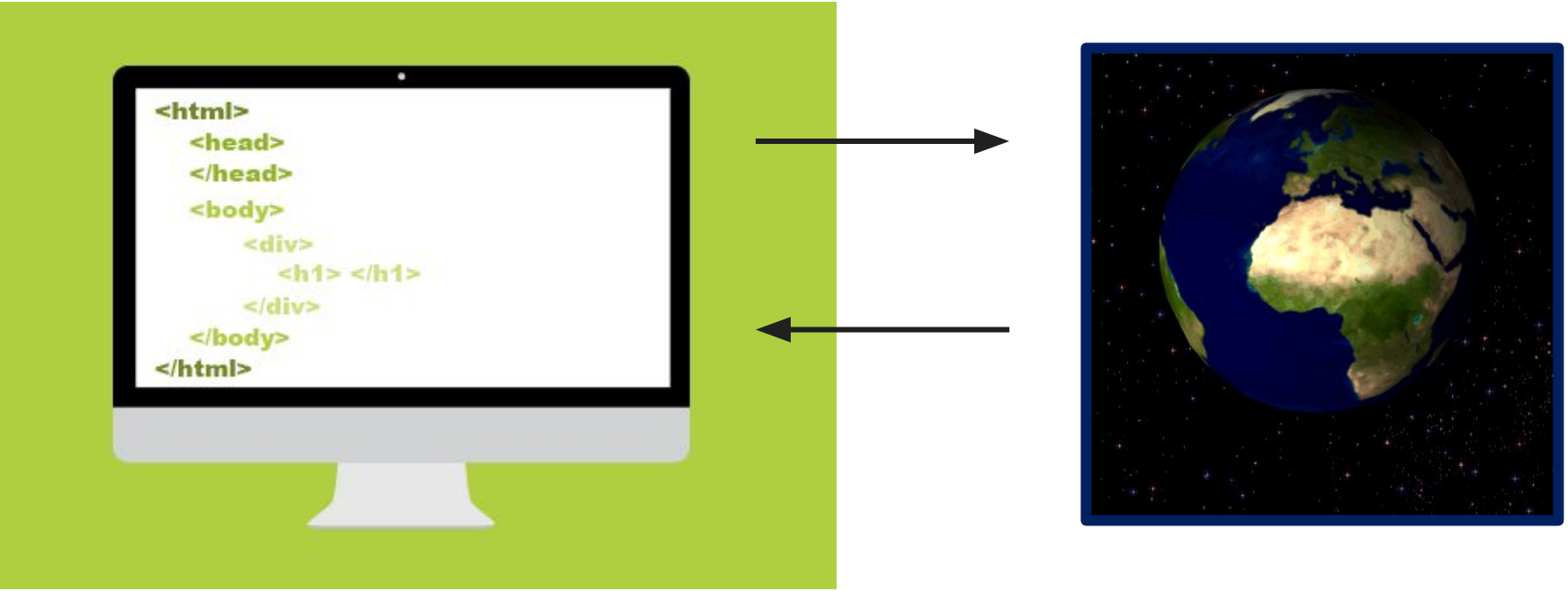
HACK THE BBC


BBC
Sign in
Home
News
Sport
Weather
iPlayer
NEWS
Home
Coronavirus
UK
World
Business
Politics
Tech
Science
Health
Family & Education
England
N. Ireland
Scotland
Alba
Wales
Cymru
Local News
PM thanks 500,000 who have signed up to help NHS
The role of volunteers will be "absolutely crucial" in fighting coronavirus, says Boris Johnson.
2h
UK
2555
How do I do social distancing and self-isolation?
When will the pandemic end?
What are the symptoms?


GROUP EXERCISE

WHAT IS HTML?

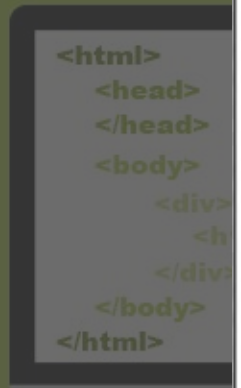
HTML (Hypertext Markup Language) is the standard markup language, whose primary function is to provide **structure** to websites.

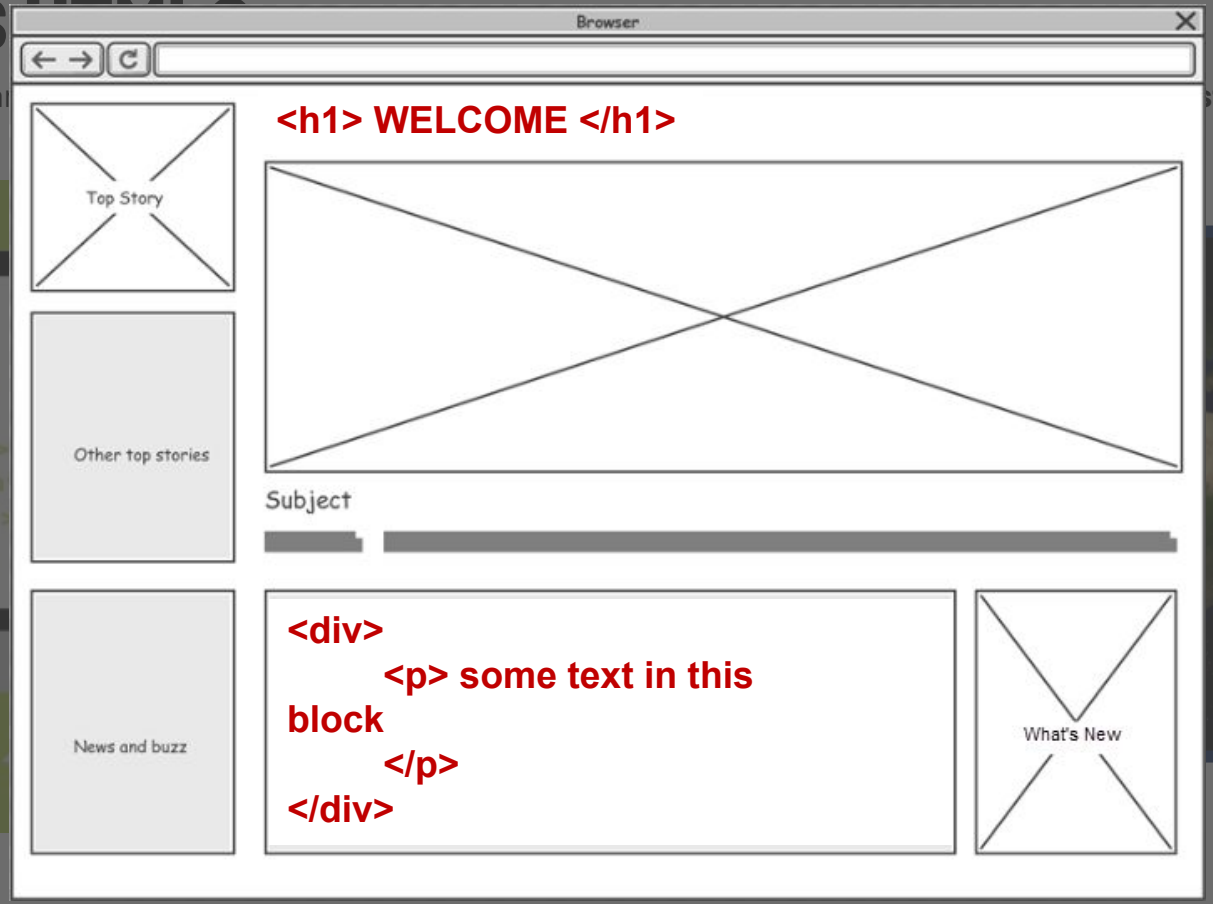


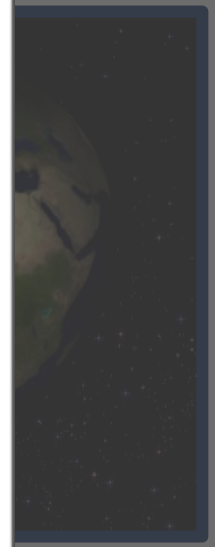
WHAT IS

HTML (Hypertext Mar

structure to websites.







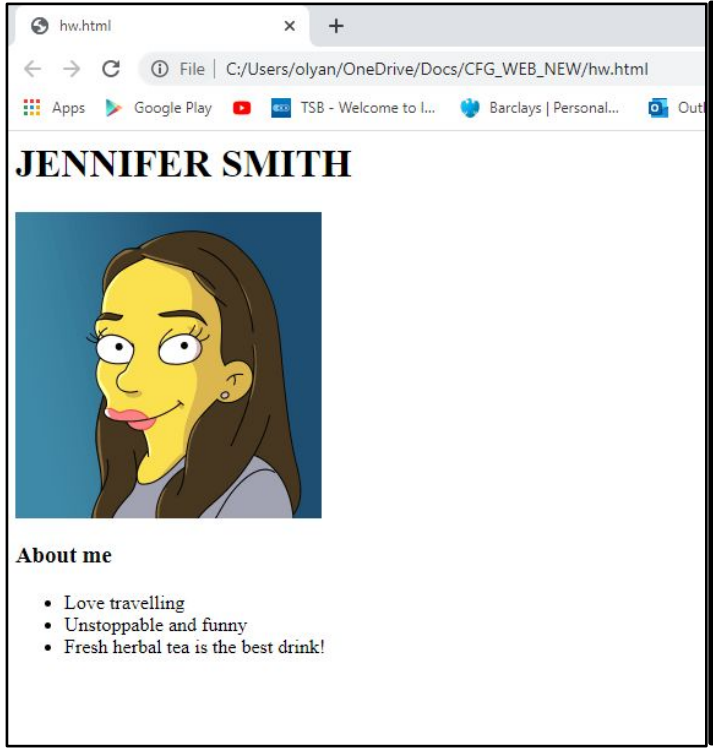
ELEMENTS

The building blocks of HTML

<h1> HTML TAGS </h1>

OPEN YOUR CODEPEN APP

HOMEWORK - PART 1

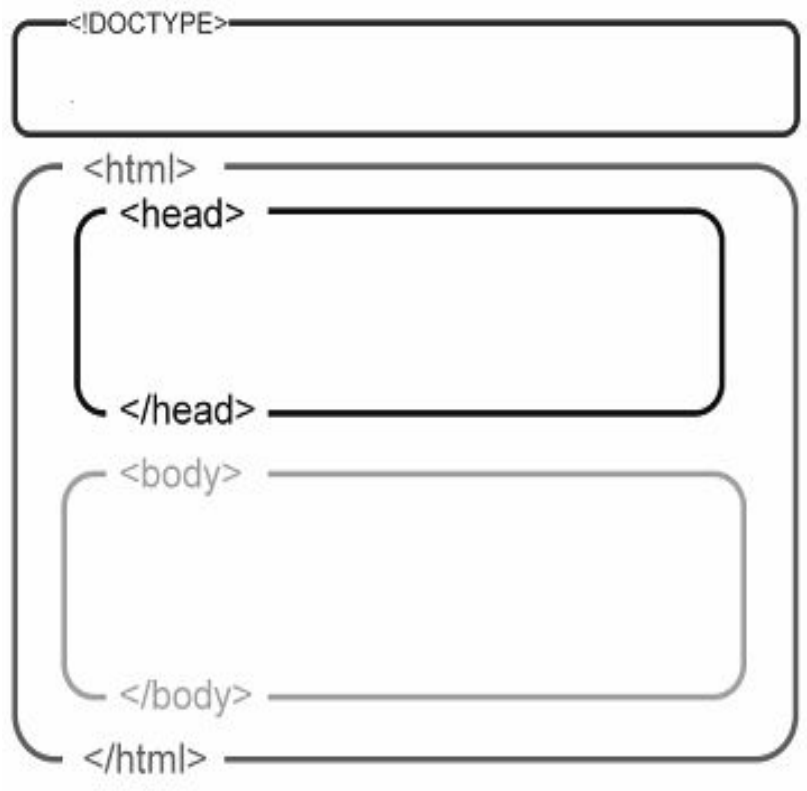


Now that we know how to use basic HTML tags, create a simple INTO page about yourself following the format on the this picture

Everyone posts their INTOs on **Slack**, so we get to know each other a bit better!

STRUCTURE OF AN HTML PAGE

A HTML page outline is structured in a particular way



<!DOCTYPE html>

Tells the browser what type of code (HTML) to expect and which version (5) we want to use

<html>

All HTML we wish for the browser to pick up must be within the <html> tags

<head>

The “thinking” part of our HTML where we bring in fonts, styles, javascript etc

<body>

Where we have our actual content

LET'S CREATE OUR FIRST WEB PAGE!

USE VISUAL STUDIO APP

NOW LET'S PRACTICE TOGETHER

10 MINS

Exercise 1.1

* Replace the text in the header and footer tag with your own content

Exercise 1.2

* Try including a paragraph and a h1 tag within an <article> tag.

Exercise 1.3

* Create three articles with different text. Try placing one article inside an <aside> tag and two outside it. Enclose all the content except the header and footer in the <main> tag

7 MINS

Exercise 1.4

* Create your own list, add a heading to the list and some text that describes what the list is about. If you finish quickly, try combining an unordered and ordered list.

5 MINS

Exercise 1.5

* Add some images to your webpage. Remember to use a relative path for the link

PRACTICING TOGETHER

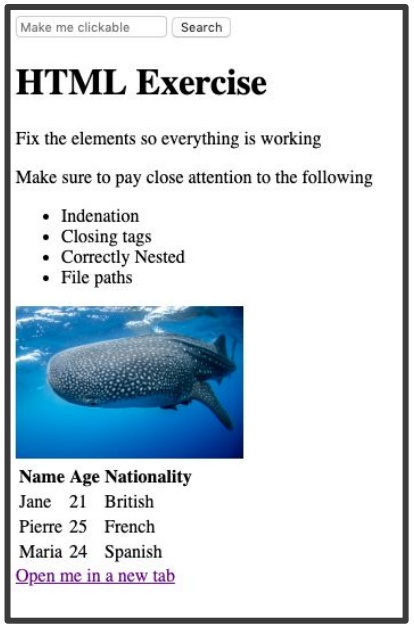
7 MINS

Exercise 1.6

* Create a new index.html file & copy paste the incorrect code (in Session1_Exercise guide)

Go through the code and try to fix the HTML

After fixing it, the webpage should look something like this →



HOMEWORK

+ **Intro Task “About Myself ”**

Create a simple INTRO page about yourself and post it on Slack

+ **Homework Task**

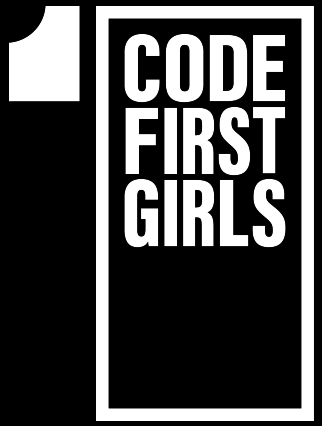
Build an HTML site with specific elements

+ **Extended Homework Task**

Build a 2-page HTML with specific elements

Refer to Session 1_Homework Guide for images

THANK YOU
HAVE A GREAT WEEK!

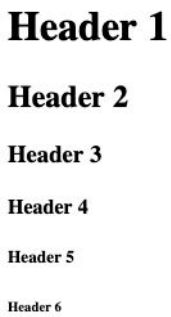


REFERENCE MATERIALS

HEADERS AND CONTENT

Headers

```
<!-- headers 1- 6 -->
<h1>Header 1</h1>
<h2>Header 2</h2>
<h3>Header 3</h3>
<h4>Header 4</h4>
<h5>Header 5</h5>
<h6>Header 6</h6>
```



Paragraphs and span

```
<!-- paragraph and span-->
<p>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Nam corporis inventore aperiam voluptates numquam
  debitis esse optio eos, sit exercitationem quos quasi eaque <span>blanditiis fuga incidunt</span> in commodi sunt
  saepe!
</p>
```

LISTS

Unordered List

```
<ul>
  <li>List Item 1</li>
  <li>List Item 2</li>
  <li>List Item 3</li>
</ul>
```

- List Item 1
- List Item 2
- List Item 3

Ordered List

```
<ol>
  <li>List Item 1</li>
  <li>List Item 2</li>
  <li>List Item 3</li>
</ol>
```

1. List Item 1
2. List Item 2
3. List Item 3

It is important to note that **<li>** stands for list item and has to be within a **<ul>** or **<ol>** but **<li>** cannot exist by itself.

LINKS

URL

Absolute

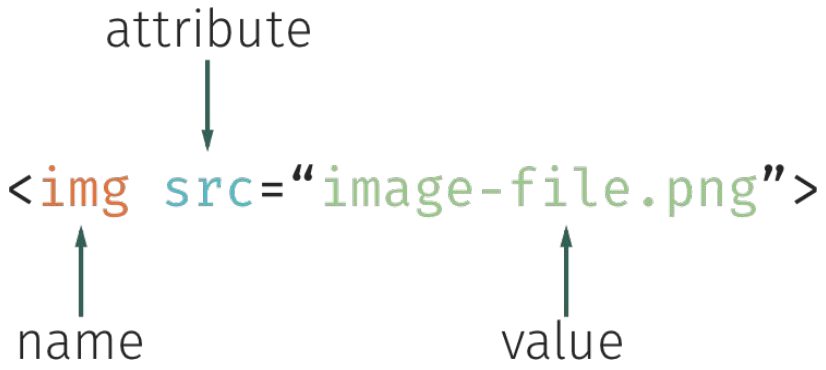
Relative

```
<!-- links (target="_blank" opens a new tab) -->
<!-- URL path -->
<a href="http://www.google.com" target="_blank">Go to google</a>
<!-- absolute path -->
<a href="/Users/username/Desktop/Code First Girls/Week 1 - HTML/starter-code/pages/page2.html">
  Go to page 2
</a>
<!-- relative path -->
<a href="./pages/page2.html">Go to page 2</a>
```

Go to google Go to page 2 Go to page 2

Absolute - typical address format (eg. 123 Main St, London, England, E17 8DN)
Relative - directions you would give someone from A to B (go out of this road, turn left, go down 2 streets etc)
URL - a web address, must start in http

IMAGES




```
<img src="./img/pic1.jpeg" alt="Pic one name">
```

Pic one name

Src is the source of the image - where is it located in the project folder/on the web?
Alt displays text when the image cannot be loaded. It's also used to make web pages more accessible (for those who use screen readers to know what the image is supposed to be)

TABLES

Tables are not often used in designing web pages and can be very confusing, so many developers avoid it.

<table> is the tag that allows you create a table.
<thead> is the header row at the top. This makes it bold
<tbody> is for the rest of the columns and rows
<tr> represents a table row
<td> stands for table data and once you have created rows, you can include columns within each row using this tag

```
<table>
  <thead>
    <tr>
      <th>Col 1</th>
      <th>Col 2</th>
      <th>Col 3</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Col 1</td>
      <td>Col 2</td>
      <td>Col 3</td>
    </tr>
    <tr>
      <td>Col 1</td>
      <td>Col 2</td>
      <td>Col 3</td>
    </tr>
    <tr>
      <td>Col 1</td>
      <td>Col 2</td>
      <td>Col 3</td>
    </tr>
  </tbody>
</table>
```

Col 1	Col 2	Col 3
Col 1	Col 2	Col 3
Col 1	Col 2	Col 3
Col 1	Col 2	Col 3