



[http://live-voting.herokuapp.com/  
events/35](http://live-voting.herokuapp.com/events/35)

<https://thimble.mozilla.org/>

[https://www.youtube.com/watch?  
v=JecFOjD9l3k](https://www.youtube.com/watch?v=JecFOjD9l3k)

warwick  
C<>ding



Everyone should be on Slack at this point.

# Session 2

Diving Deeper with HTML



# Agenda for Today:

- Start using a **Text Editor**
- Look into more **HTML** fun stuff
- Semantic **HTML**
- **HTML5**



# Last week recap

- Talked about the history of the web
- **HTML - HyperTextMarkupLanguage (Content)**
- **CSS - CascadingStyleSheets (Style)**
- Created a “Keep Calm” poster using HTML & CSS

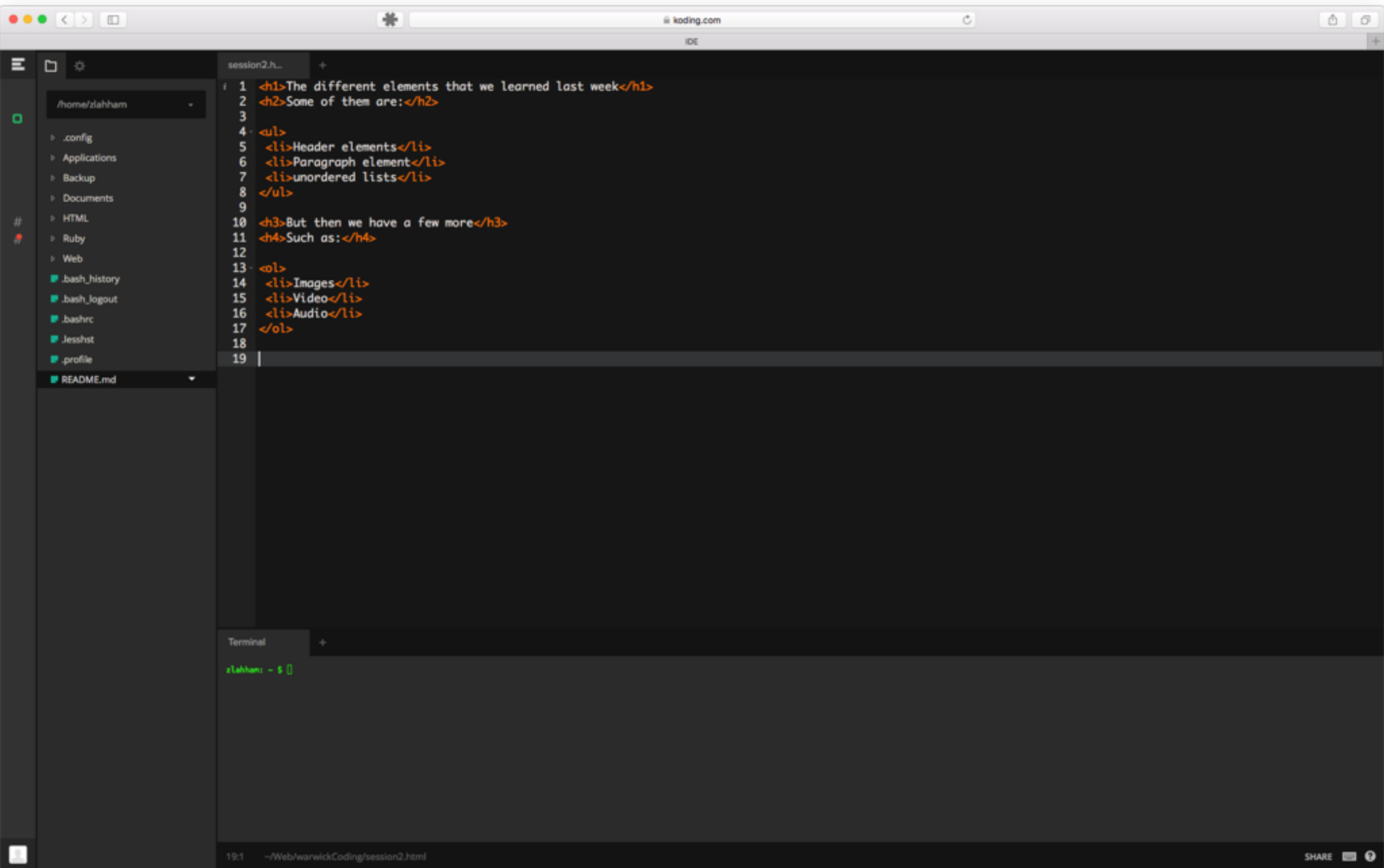


let's get started.



# IDE Time

- Integrated Development Environment
  - Terminal
  - Text Editor
  - File system



File  
System

Text Editor

Terminal

```
1 <h1>The different elements that we learned last week</h1>
2 <h2>Some of them are:</h2>
3
4 <ul>
5   <li>Header elements</li>
6   <li>Paragraph element</li>
7   <li>unordered lists</li>
8 </ul>
9
10 <h3>But then we have a few more</h3>
11 <h4>Such as:</h4>
12
13 <ol>
14   <li>Images</li>
15   <li>Video</li>
16   <li>Audio</li>
17 </ol>
18
19
```

Terminal  
zlahham: ~ \$

19:1 ~/Web/warwickCoding/session2.html

SHARE





# What the hell is this stuff?

- We only care about the Text Editor and the file structure... for now
- We'll be using [koding.com](https://koding.com) to maximise efficiency and minimise technical problems.
- Alternative Text Editors: **Sublime Text and Atom.**

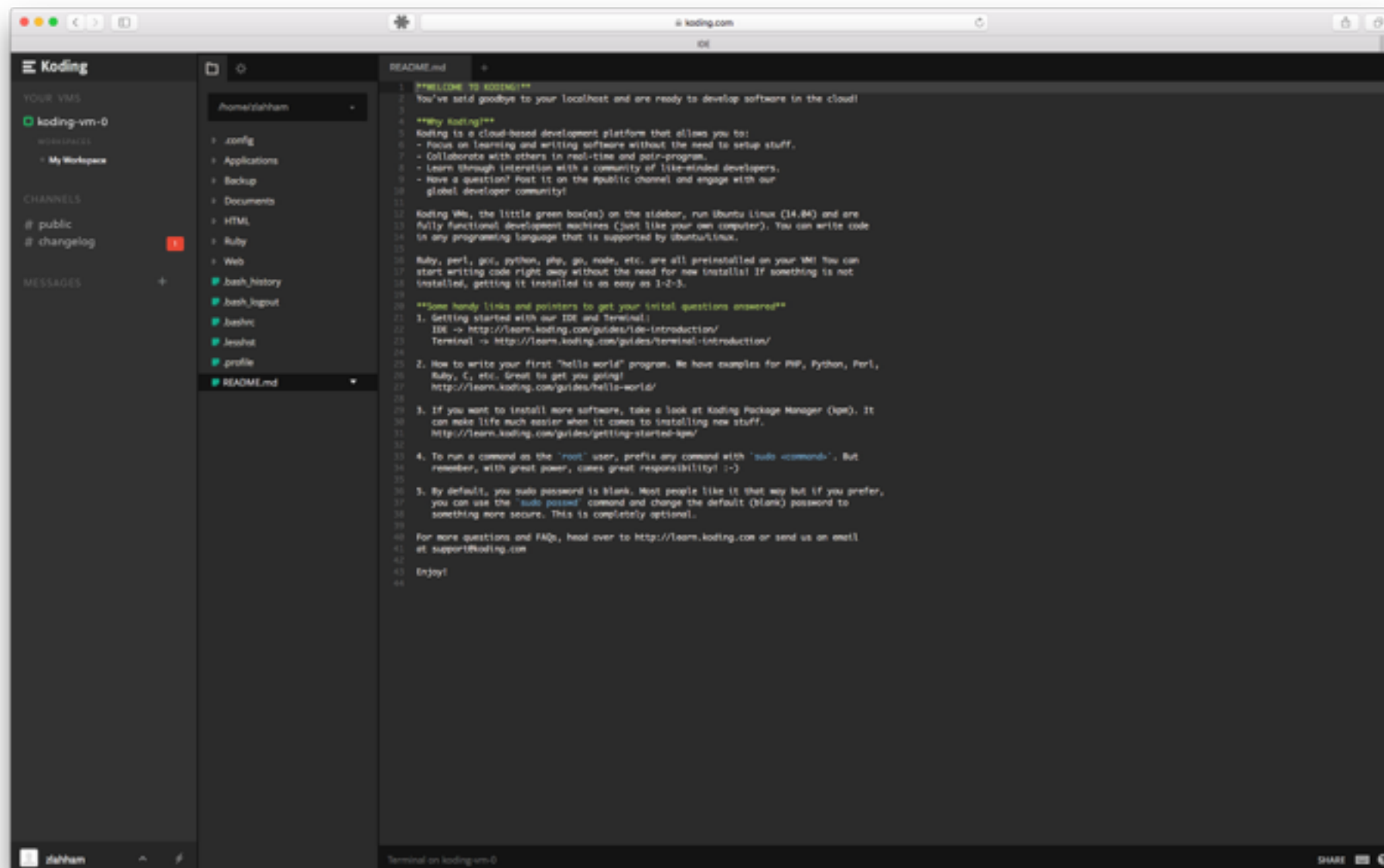


# 5-10 minutes

- Go to [github.com](https://github.com) and create an account if you haven't already.
- After signing up to github, go to [koding.com](https://koding.com) and signup using your github account.



- Don't worry about Github for now
- After signing in, you should see this screen on koding.com





The screenshot shows the Koding IDE interface. On the left sidebar, there's a 'Koding' logo and sections for 'YOUR VMS' (showing 'koding-vm-0'), 'WORKSPACES' (showing 'My Workspace'), 'CHANNELS' (showing '# public' and '# changelog'), and 'MESSAGES'. The main area is divided into a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a directory structure for '/home/zlahham' with folders like '.config', 'Applications', 'Backup', 'Documents', 'HTML', 'Ruby', and 'Web'. The 'Web' folder is highlighted with a yellow arrow. The code editor shows a 'README.md' file with content about Koding. The terminal at the bottom shows 'Terminal on koding-vm-0'.

Right-click on “Web”  
and create a new file  
called **myGroceryList.html**



The effect of Nesting different elements

The image shows a web browser window displaying a grocery list. The list is titled "My Grocery List" and contains a list of items: Milk, Cereal, Eggs, Brown Bread, Gluten-Free Bread, and Pita Bread. The items are grouped into two categories: "Milk, Cereal, Eggs" and "Brown Bread, Gluten-Free Bread, Pita Bread". The browser window is titled "koding.com".

The code editor shows the HTML code for the page. The code is as follows:

```
1 <!DOCTYPE HTML>
2
3 <body>
4   <h1>My Grocery List</h1>
5   <ul>
6     <li>Milk</li>
7     <li>Cereal</li>
8     <li>Eggs</li>
9     <ul>
10      <li>Brown Bread</li>
11      <li>Gluten-Free Bread</li>
12      <li>Pita Bread</li>
13    </ul>
14  </ul>
15 </body>
16
17
```

The code editor window is titled "myGroceryList.html" and "index.html". The file explorer on the left shows the following files:

- index.html
- perl.pl
- php.php
- python.py
- ruby.rb
- myGroceryList.html
- .bash\_history
- .bash\_logout
- .bashrc
- .lessht
- .profile
- README.md

The status bar at the bottom shows the file path: "~/Web/myGroceryList.html".



Click on the drop-down arrow and then click "Preview File"

```
1 <!DOCTYPE HTML>
2
3 <body>
4   <h1>My Grocery List</h1>
5   <ul>
6     <li>Milk</li>
7     <li>Cereal</li>
8     <li>Eggs</li>
9     <ul>
10      <li>Brown Bread</li>
11      <li>Gluten-Free Bread</li>
12      <li>Pita Bread</li>
13    </ul>
14  </ul>
15 </body>
16
17
```

17:1 ~/Web/myGroceryList.html

SHARE





# Was there anything missing in the HTML code?

- `<!DOCTYPE html>`
- `<head>`
  - `<meta charset="UTF-8"/>`
  - `<title>My List</title>`
- `</head>`





# Was there anything missing in the HTML code?

attribute

`<a href="http://www.google.com">Google Me!</a>`

element

tag



# Let's now create some links

- I want to see a picture of all the grocery items
- Discuss how we can add a link to images with the person next to you
- Add a link to each list item that links to a related Google image.
- I want these links to open in a new tab



# Let's head over to [thimble.mozilla.org](https://thimble.mozilla.org)

The screenshot shows the Thimble by Mozilla website. At the top, there's a green header with the Thimble logo and a user profile 'Hi, zaham'. The main content area has a green background with the text 'Write the Web On the Web' and a description: 'Thimble is an online code editor that makes it easy to create and publish your own web pages while learning HTML, CSS & JavaScript.' Below this is a button 'Start a project from scratch'. To the right is a preview of a Thimble project showing a 'Welcome to Thimble' message and a 'STAY CALM AND THIMBLE ON' poster. Below the main section, there's a heading 'Make your own version of these popular projects' and a grid of three project templates. The first is 'Keep Calm Poster' with a red background and white text. The second is 'Back-to-School Postcard' with a yellow background and a school scene. The third is 'Current Events Comic' with a purple border and a comic strip layout. Each template has a 'Remix this Project' button.

Thimble by mozilla

Hi, zaham

## Write the Web On the Web

Thimble is an online code editor that makes it easy to create and publish your own web pages while learning HTML, CSS & JavaScript.

Start a project from scratch

Welcome to Thimble

STAY CALM AND THIMBLE ON

### Make your own version of these popular projects

#### Keep Calm Poster

Change the design of this poster to make it your own.

Remix this Project

#### Back-to-School Postcard

Add your own content to this interactive postcard.

Remix this Project

#### Current Events Comic

Create your very own version of this comic strip.

Remix this Project




# Tasks

- Follow the tutorial
- After completing the tutorial, think about how we can separate the CSS from the HTML.



# Let's head back to thimble.mozilla.org



Change the design of this poster to make it your own.


Remix this Project

OR

Use it to teach

- How to design a poster
- Editing HTML content
- Editing CSS styles

Keep Calm Teaching Kit



Add your own content to this interactive postcard.


Remix this Project

OR

Use it to teach

- Editing HTML content
- CSS colors
- Creating an interactive element with JavaScript

Postcard Teaching Kit



Create your very own version of this comic strip.


Remix this Project

OR

Use it to teach

- Editing HTML content
- Finding Creative Commons-licensed images
- CSS colors

Comic Strip Teaching Kit



Three things I <3

3 Things I <3

Welcome to my website!  
I want to tell you about 3 things I love.

- Games
- Music
- Places

Thanks for visiting!

Make a simple website to share what you love.


Remix this Project

OR

Use it to teach

- Navigation inside a website
- Editing HTML content
- Embedding media in webpages

Things I Love Teaching Kit



Click here!

MY CHINCHILLA MISPLACED  
MY DIORAMA.

Remix a basic JavaScript function to explain why your homework is late.


Remix this Project

OR

Use it to teach

- Basic coding ideas
- Editing JavaScript content
- Creating an interactive button with JavaScript

Homework Excuse Generator Teaching Kit



My Six-Word Summer

Burning sidewalks.  
Melted kicks.  
Walked everywhere.

Tell us what you did last summer in just six words.

Remix this Project

OR

Use it to teach

- Searching for openly licensed images online
- Editing HTML content
- Editing for specific word choice

My Six-Word Summer Teaching Kit



# Reflection

- Started using a text editor
- More HTML



# Resources for next session

- MozillaDeveloperNetwork MDN
  - <https://developer.mozilla.org/en-US/docs/Web/CSS>
  - <https://developer.mozilla.org/en-US/docs/Web/HTML>
- [www.codepen.io](http://www.codepen.io)
- [www.koding.com](http://www.koding.com)



“Talk is cheap. Show me the code”

–Linus Torvalds