



warwick  
C<>ding



# 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 (Structure)**
- **CSS - CascadingStyleSheets (Style)**
- Created a “Keep Calm” poster using HTML & CSS



# Last week recap

- `<!doctype html>`
- `<html>`
- `<head>`
- `<body>`

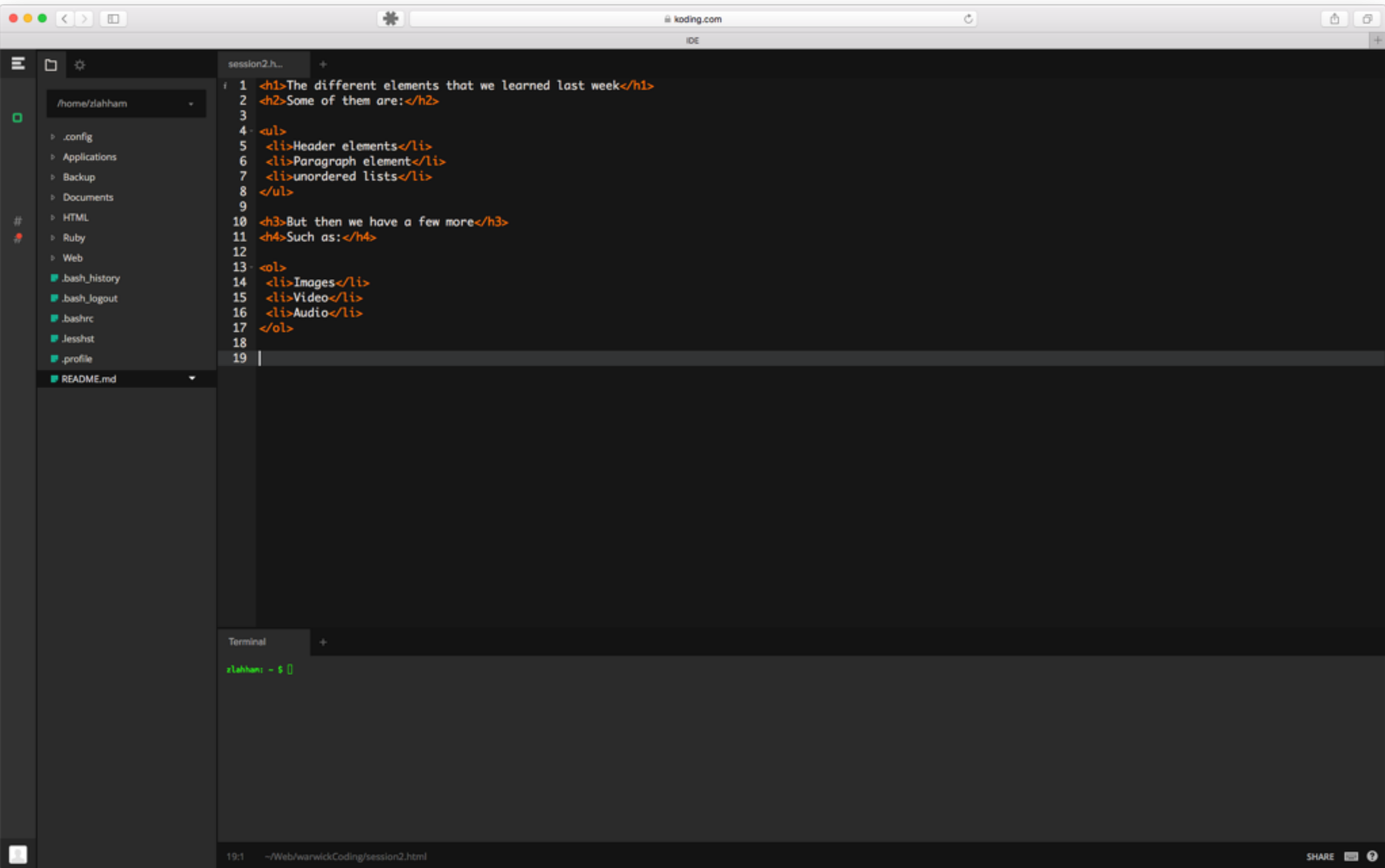


let's get started.



# IDE Time

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





File  
System

Text Editor

Terminal

```
session2.html
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: ~ $
```

19:11 ~/Web/wwarwickCoding/session2.html

SHARE



# What the hell is this stuff?

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

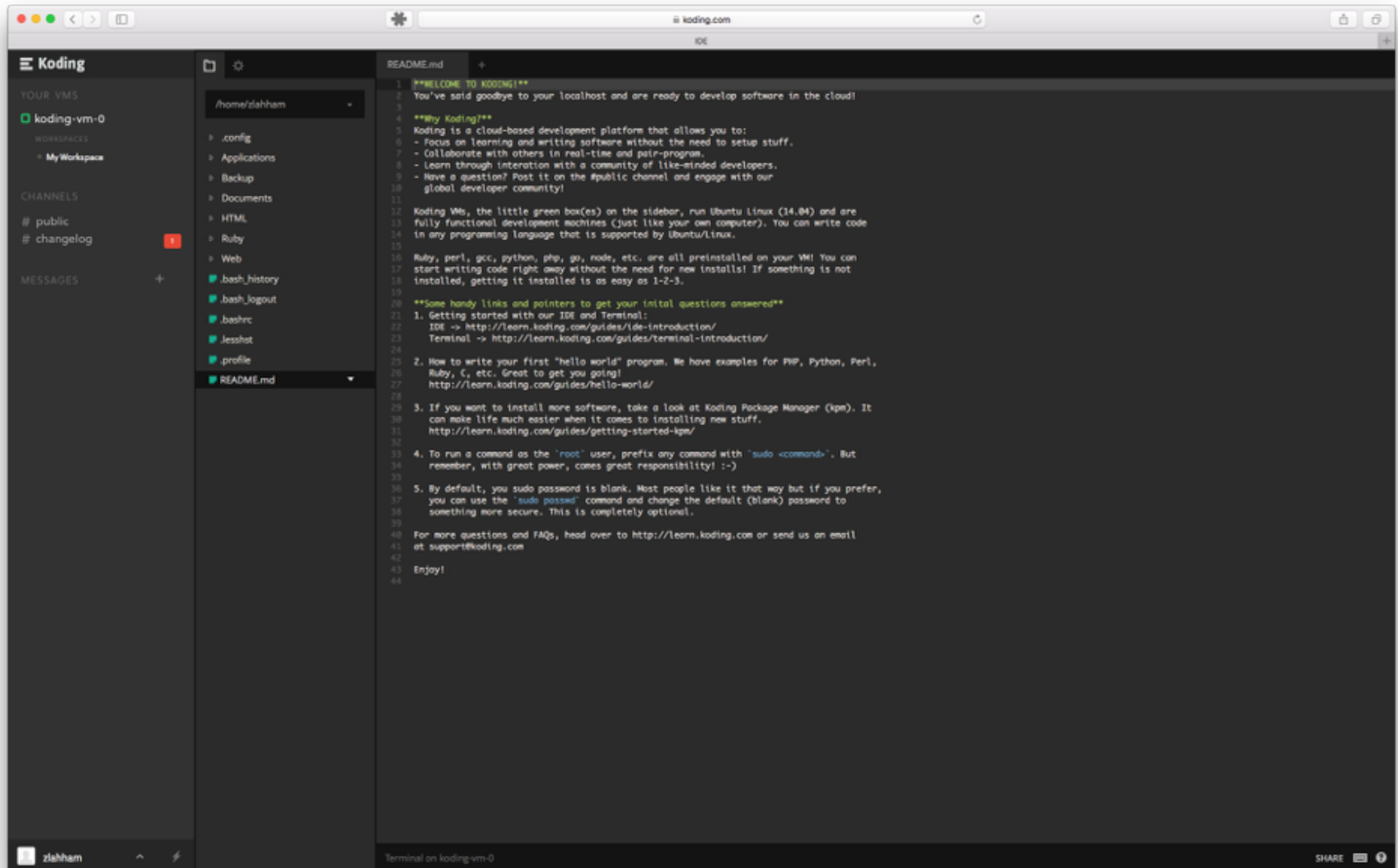


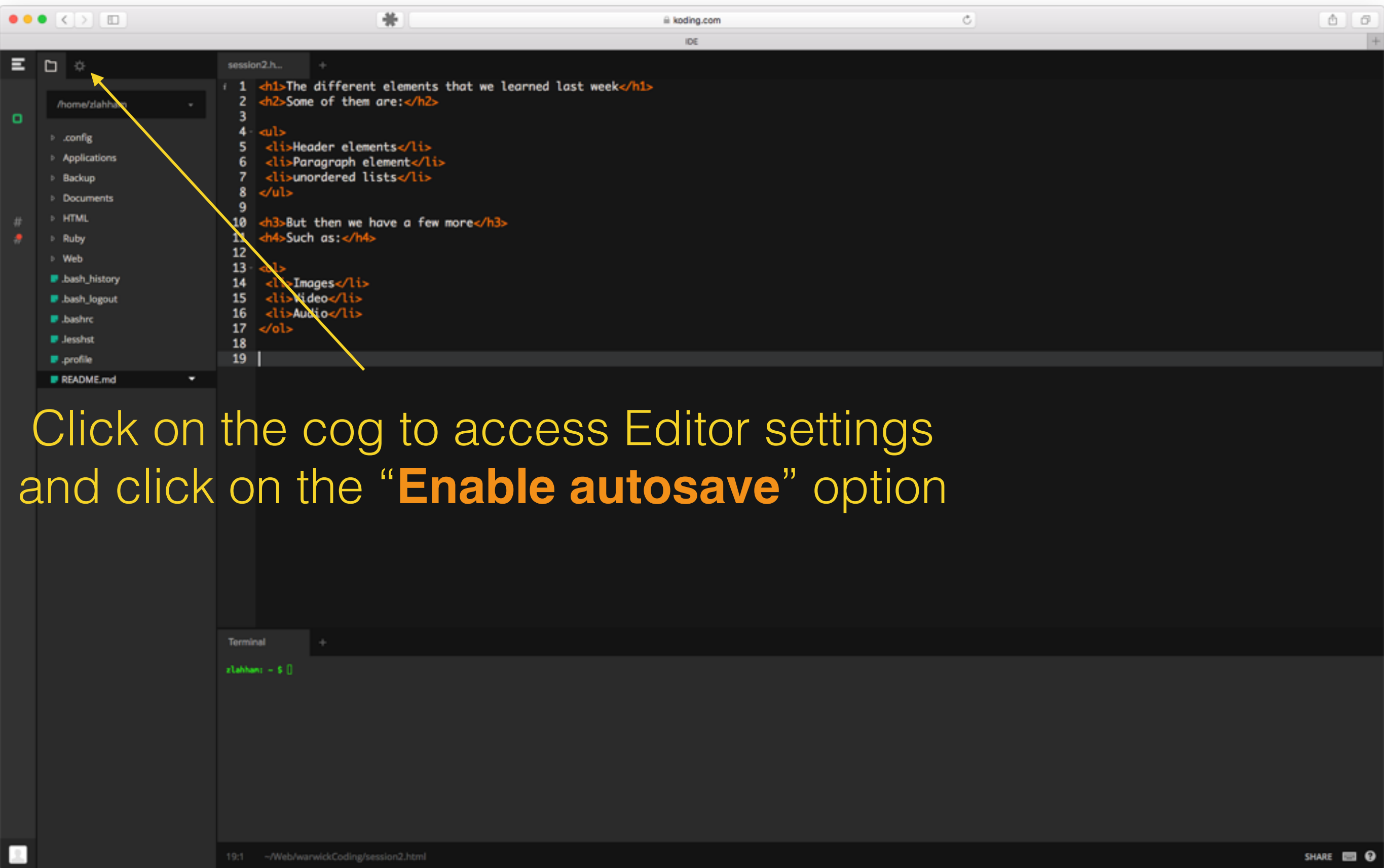
# 5-10 minutes

- Go to [github.com](https://github.com) and create an account
- Go to [koding.com](https://koding.com) and signup with you **Github account**



After signing in, you should see this screen on [koding.com](https://koding.com)





Click on the cog to access Editor settings  
and click on the “**Enable autosave**” option



The screenshot shows the Koding IDE interface. On the left, there's a sidebar with '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 the directory structure of the VM, with a yellow arrow pointing to the 'Web' folder. The code editor displays the contents of 'README.md', which includes a welcome message, a list of features, and links to guides. The terminal at the bottom shows the prompt 'Terminal on koding-vm-0'.

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



myGrocery...

index.html

+

/home/zahham

.config

Applications

Backup

Documents

HTML

Ruby

Web

warwickCoding

index.html

perl.pl

php.php

python.py

ruby.rb

myGroceryList.html

.bash\_history

.bash\_logout

.bashrc

.lessht

.profile

README.md

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

```
<!DOCTYPE HTML>

<body>
  <h1>My Grocery List</h1>
  <ul>
    <li>Milk</li>
    <li>Cereal</li>
    <li>Eggs</li>
    <ul>
      <li>Brown Bread</li>
      <li>Gluten-Free Bread</li>
      <li>Pita Bread</li>
    </ul>
  </ul>
</body>
```

17:1

~/Web/myGroceryList.html

SHARE



myGrocery... index.html

```
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
```

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

17:1 ~/Web/myGroceryList.html

SHARE





# My Grocery List

- Milk
- Cereal
- Eggs
  - Brown Bread
  - Gluten-Free Bread
  - Pita Bread



# Was there anything missing in the HTML code?

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8"/>
```

```
<title>My List</title>
```

```
</head>
```

```
</html>
```



opening tag

attribute

content

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

`Google Me!`

`</a>`

element

closing tag



# <body>Anatomy

- Headings
- Paragraphs
- Line breaks
- Lists
- Media
- Links



# Headings

`<h1>Heading 1</h1>`

`<h2>Heading 2</h2>`

`<h3>Heading 3</h3>`

`<h4>Heading 4</h4>`

`<h5>Heading 5</h5>`

`<h6>Heading 6</h6>`



# Paragraphs

<p>"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."</p>



# Line Breaks

`<p>I am learning: <br> HTML and CSS</p>`

`<p>Hakuna Matata, what a wonderful phrase  
<br> Hakuna Matata, ain't no passing craze  
<br> It means no worries for the rest of  
your days <br> It's our problem free  
philosophy, Hakuna Matata </p>`



# Lists

- Types of lists:
  - Unordered lists `<ul>`
  - Ordered lists `<ol>`
  - Definition lists `<dl>`





# Exercise 1

- Go back to the `my-grocery-list.html`
- 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**



# Exercise 2

- On [koding.com](https://koding.com) create a new folder under **Web** and name it **frontend-course**
- Inside **frontend-course** folder create a folder called **session-2**
- Create a file and name it **exercise2.html**
- Replicate the following screenshot using all the different elements that we have learned about so far



# warwickCoding (Link this to the website)



## Frontend Course

Enter a short description here, you can get ideas from warwickcoding.com

### Name of Instructors

- Frog
- put image of a frog here
- Duck
- put image of a duck here

## Ruby Course

Enter a short description here, you can get ideas from warwickcoding.com

### Name of Instructors

- Horse
- put image of a horse here
- Eagle
- put image of an eagle here

## Android Course

Enter a short description here, you can get ideas from warwickcoding.com

### Name of Instructors

- Wesley
- put wesleys image here from warwickcoding.com



# Reflection

- Started using a text editor
- Used an IDE (koding.com)
- Learned about the anatomy of an HTML tag
- New HTML elements



# Task for next session

- Build something on your own
- If you want to replicate something similar from [thimble.mozilla.org](https://thimble.mozilla.org)



# 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)