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

koding.com

IDE

session2.h...

/home/zlahham

- .config
- Applications
- Backup
- Documents
- HTML
- Ruby
- Web
- .bash_history
- .bash_logout
- .bashrc
- .lesshst
- .profile
- README.md

```
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

koding.com

IDE

/home/zlahham

- .config
- Applications
- Backup
- Documents
- HTML
- Ruby
- Web
- .bash_history
- .bash_logout
- .bashrc
- .lesshst
- .profile
- README.md

session2.h...

```
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
```

File System

Text Editor

Terminal

```
zlahham: ~ $
```

Terminal

SHARE

What the hell is this stuff?

- We only care about the Text Editor and the file system for this course

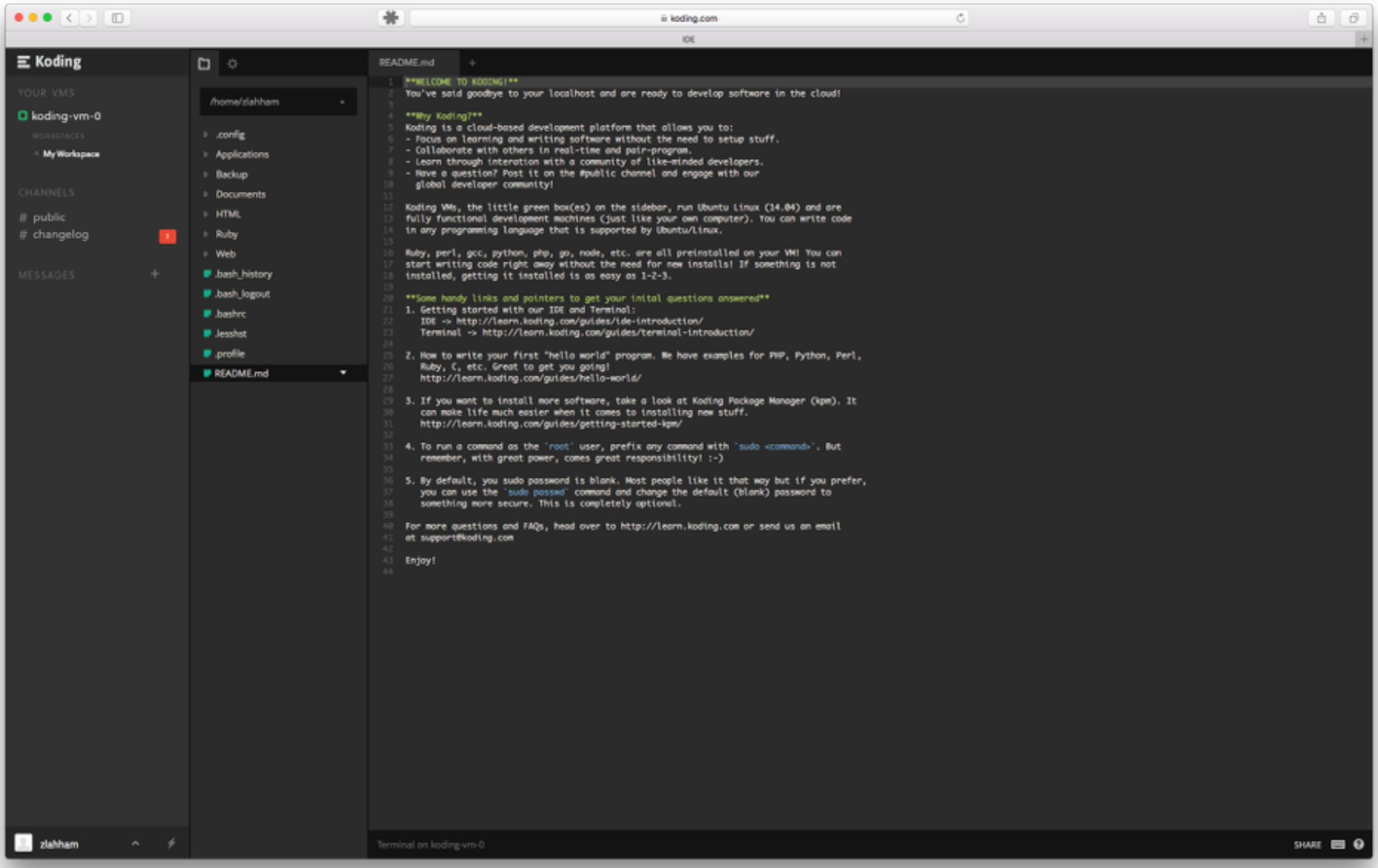
- We'll be using koding.com to maximise efficiency and minimise technical problems.

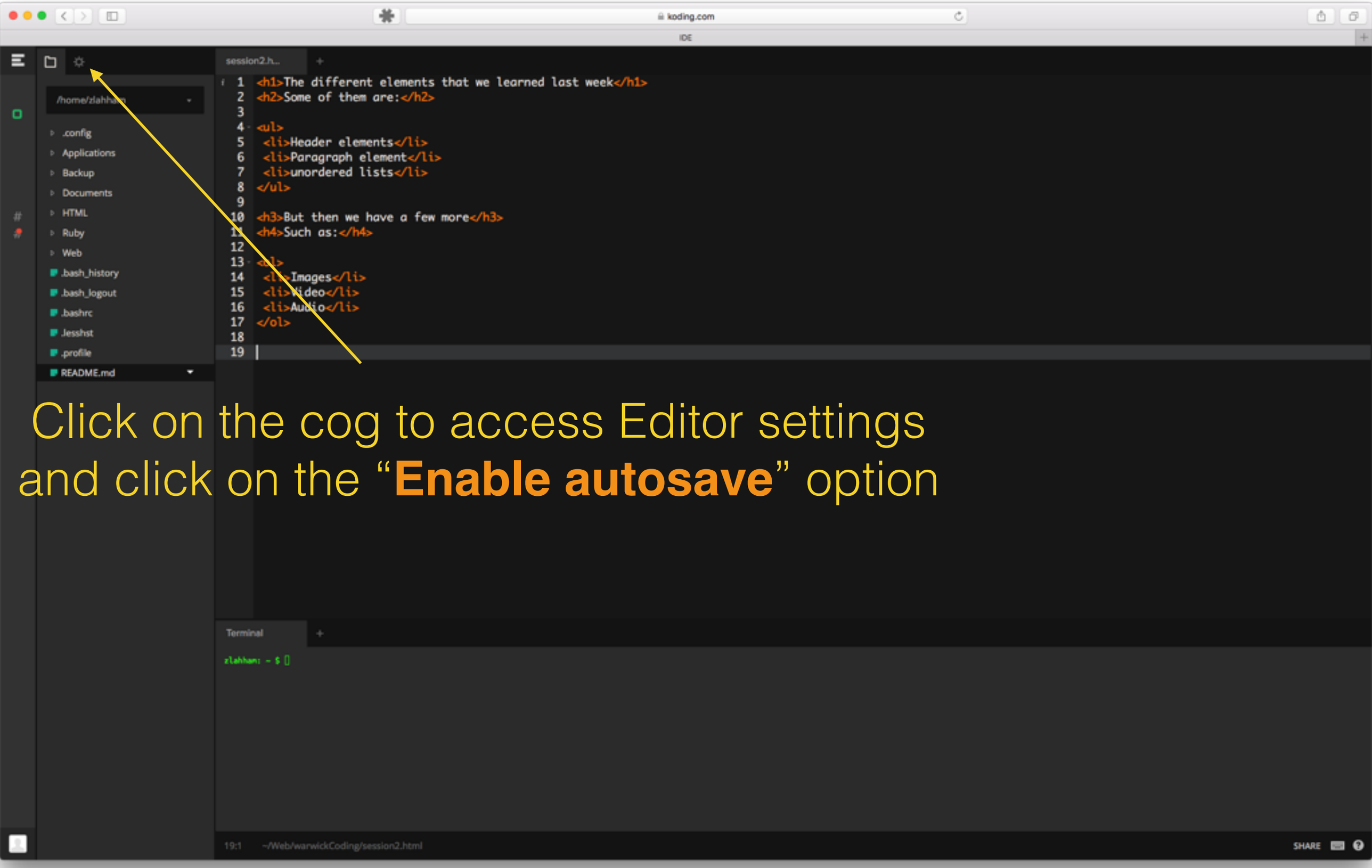
- Alternative Text Editors:
  Sublime Text, Atom, and notepad++

5-10 minutes

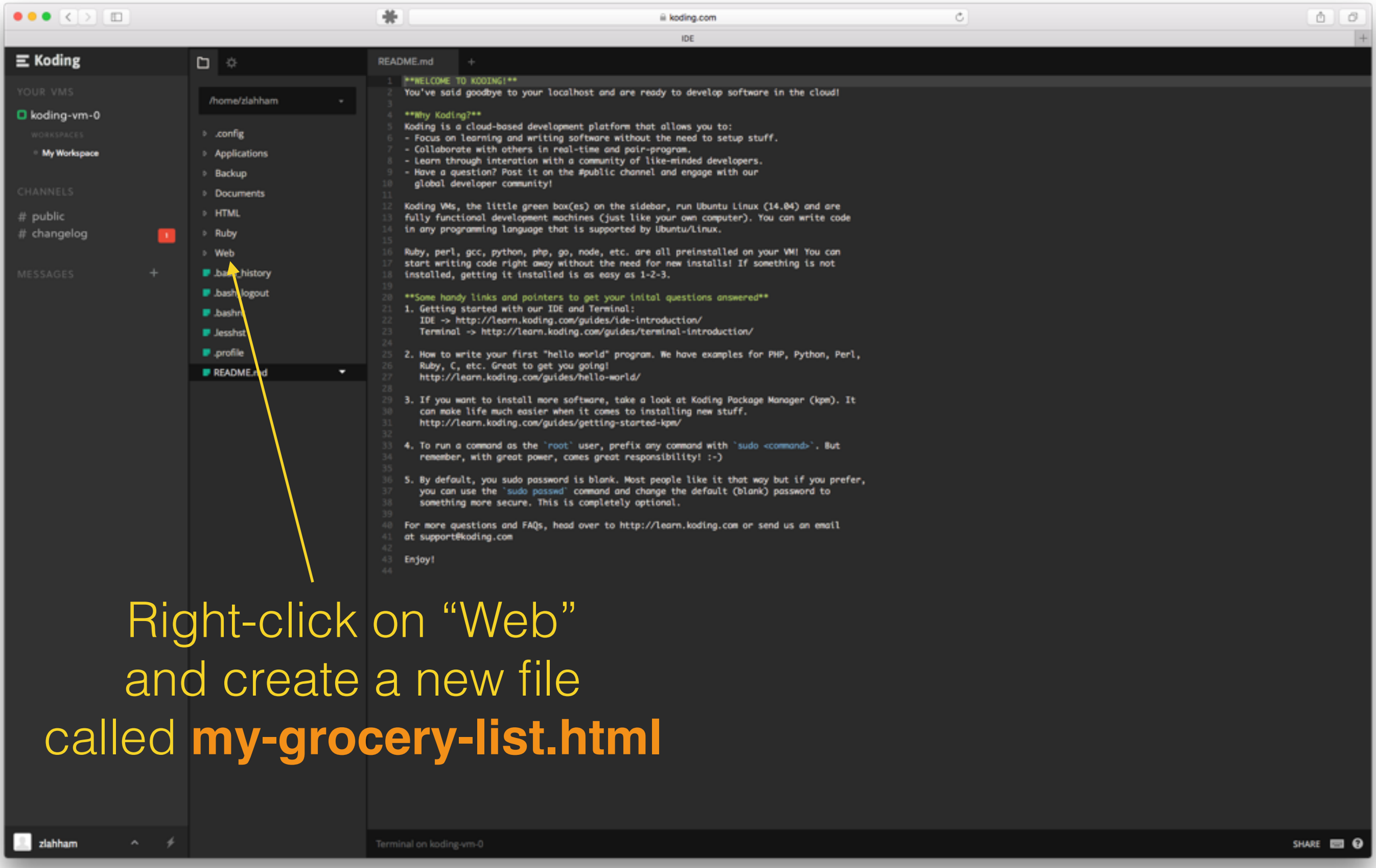
- Go to github.com and create an account
- Go to koding.com and signup with you **Github account**

After signing in, you should see this screen on koding.com

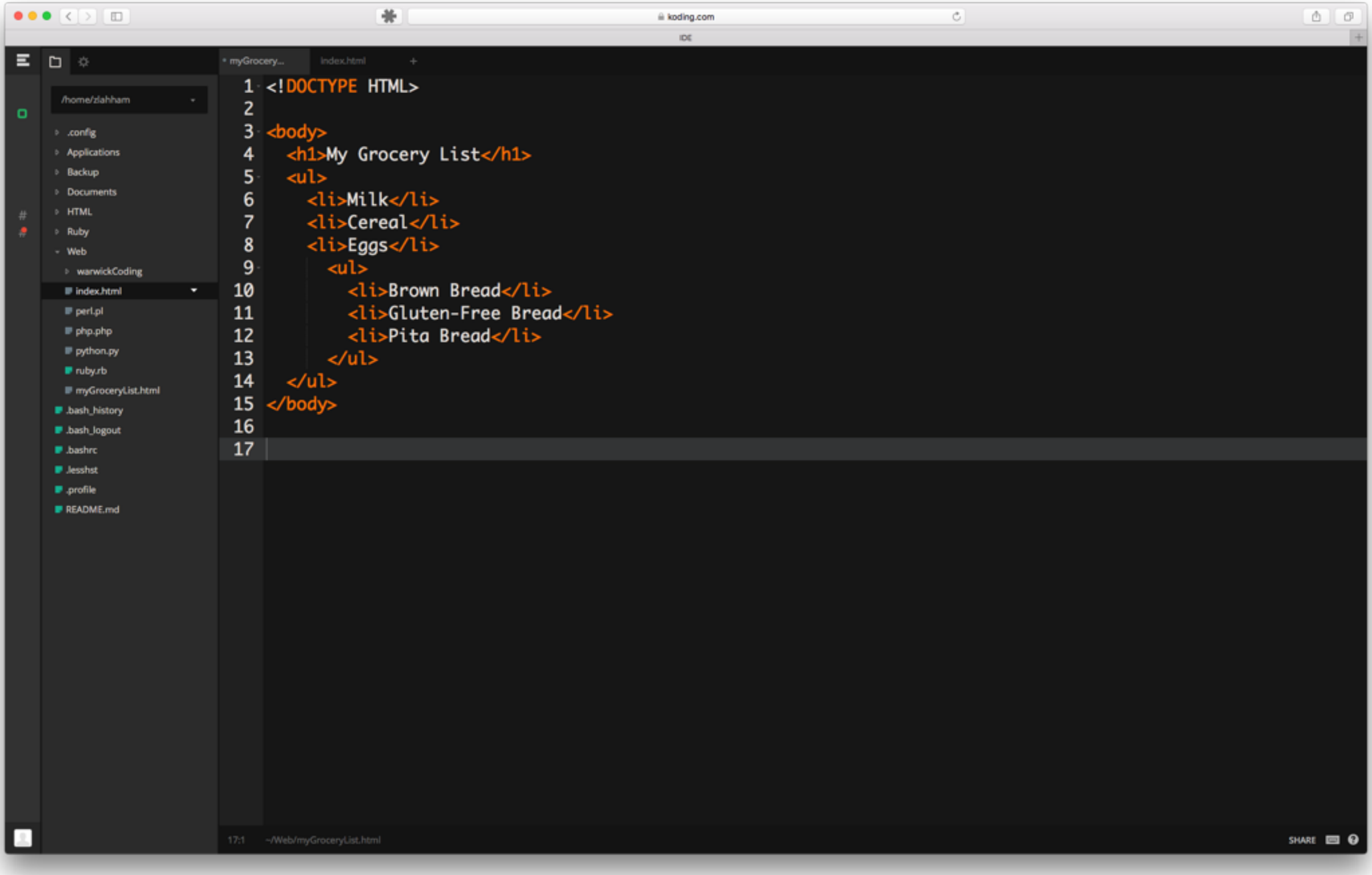


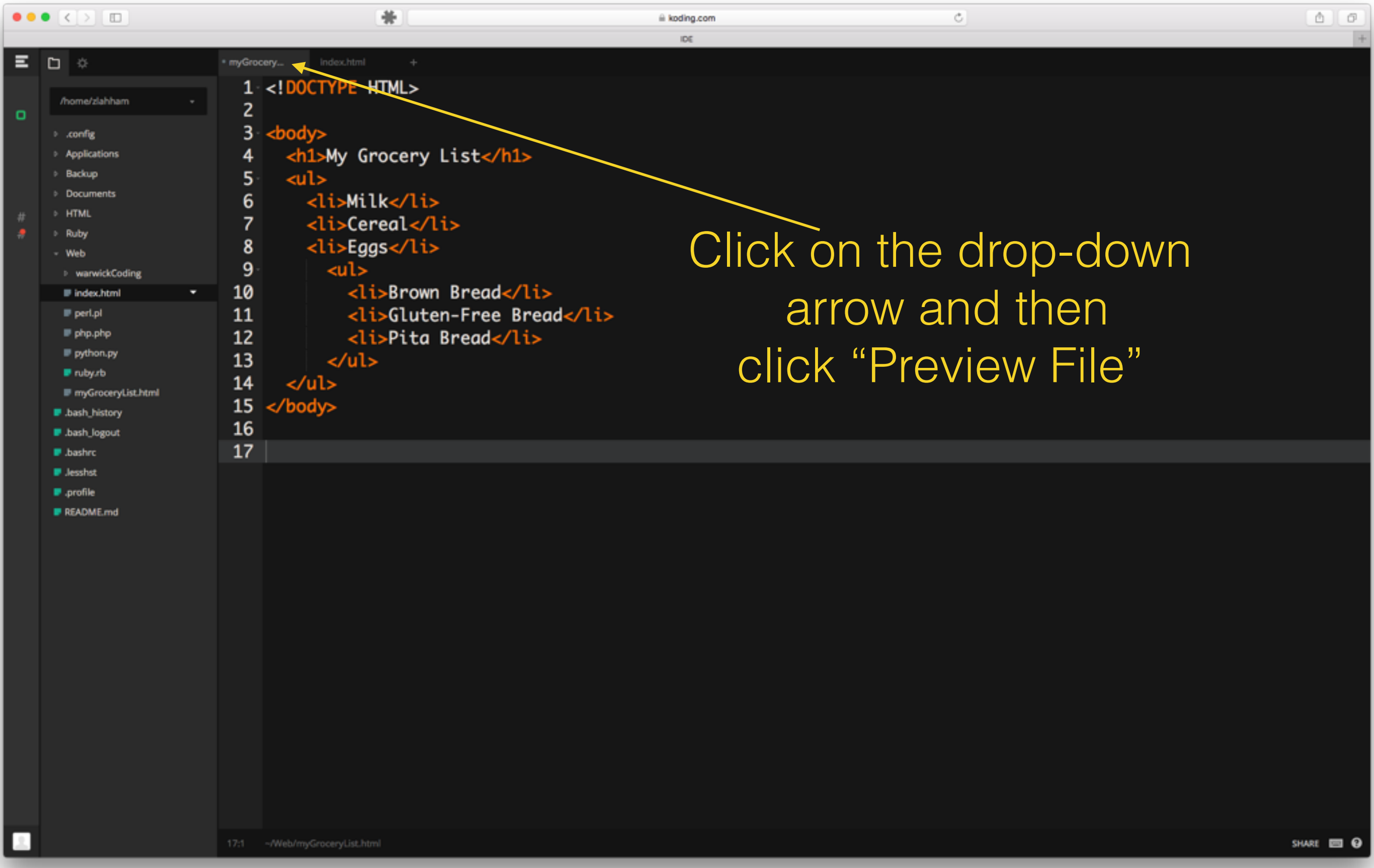


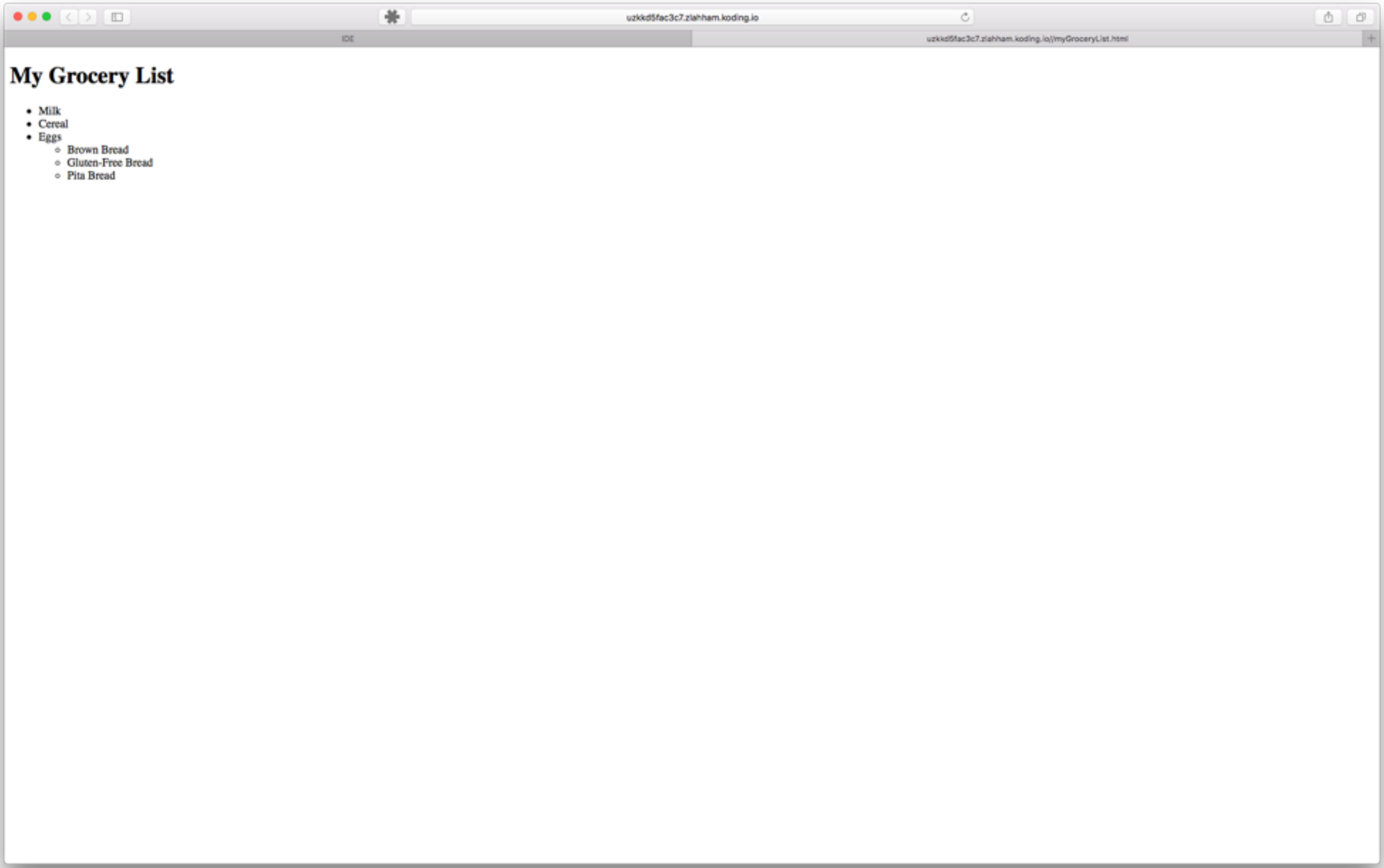
Click on the cog to access Editor settings and click on the "**Enable autosave**" option



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


koding.com
IDE
myGrocery...
index.html
/home/zlahham
.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
.lesshst
.profile
README.md
<!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


koding.com
IDE
myGrocery...
index.html
/home/zlahham
.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
.lesshst
.profile
README.md
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


uzkkd5fac3c7.zlahham.koding.io
IDE
uzkkd5fac3c7.zlahham.koding.io/myGroceryList.html
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

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 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

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
- www.koding.com