



warwick
C<>ding



Session 3

Advanced HTML



Last week recap

- **HTML - HyperTextMarkupLanguage** (Structure)
- We started using [koding.com](https://www.koding.com)
- Wrote our first few HTML document from scratch
- Learned about elements and tags



opening tag

attribute

content

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

element

closing tag

opening tag

attribute

attribute

```

```

element



Agenda for Today:

- Semantic **HTML**
- Advanced **HTML**
 - Tables
 - Forms
 - iFrames



let's get started.



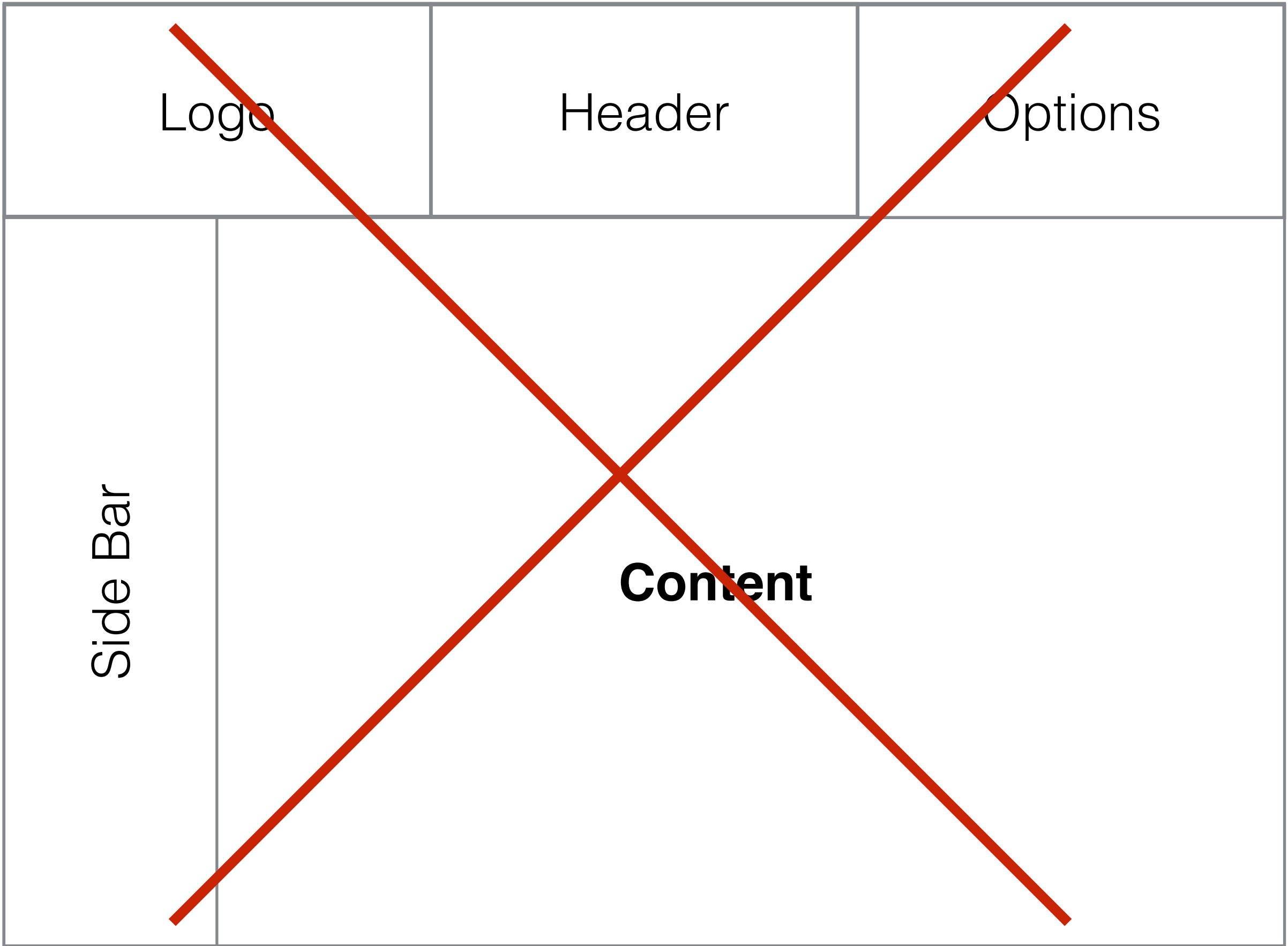
Tables

ID	Name	Email	Colour
1	Alpha	<u>a@b.com</u>	Red
2	Beta	<u>b@a.com</u>	Blue
3	Delta	<u>cb@a.com</u>	Green
4	Pi	<u>p@a.com</u>	Yellow



Tables

- Previously used to layout the page content
- Not a good practice.
- With a combination of good HTML and CSS we can layout the page in a much better way.





<table> Element

```
<table>
```

```
  <thead>
```

```
    <tr>
```

```
      <th> Day </th>
```

```
      <th> Plan </th>
```

```
    </tr>
```

```
  <tbody>
```

```
    <tr>
```

```
      <td> Wednesday </td>
```

```
      <td> Coding </td>
```

```
    </tr>
```

```
</table>
```



<table> Element

Day	Plan
Wednesday	Coding



<thead> Element

<table>

<thead>

<tr>

<th> Day </th>

<th> Plan </th>

</tr>

...

...

</table>



`<body>` Element

```
<table>
```

```
...
```

```
...
```

```
<tbody>
```

```
<tr>
```

```
<td> Wednesday </td>
```

```
<td> Coding </td>
```

```
</tr>
```

```
</table>
```

<caption> Element



```
<table>
```

```
<caption> Weekly Plan </caption>
```

```
<thead>
```

```
<tr>
```

```
<th> Day </th>
```

```
<th> Plan </th>
```

```
</tr>
```

```
...
```

```
...
```

```
</table>
```



Forms



Forms

- Forms are present everywhere!
- sign ups, sign ins, banking, emails, dropbox etc..



Where software is built

Powerful collaboration, code review, and code management for open source and private projects. Public projects are always free.

Private plans start at \$7/mo.



Use at least one lowercase letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We will send you account related emails occasionally.



TechCrunch

31 mins · 🌐



Uber wins Best Overall Startup at the 9th Annual #Crunchies

<http://tcrn.ch/1PzCUaT>



4.7K Views

64 Likes 3 Comments 8 Shares

Like

Comment

Share

64 people like this.

Top Comments ▾

8 shares



Write a comment...





<form> element

- Forms are probably one of the most important elements of HTML due to security reasons
- They vary heavily depending on what backend you use (*not important for this course*)



<form> anatomy

<form>

Name:

<input type="text" name="full-name">

Email:

<input type="email" name="email">

<input type="submit" value="submit">

</form>



Name:

Email:

Submit



<input> element

```
<input type="text" name="full-name" placeholder="Full name" >
```



<form> grouping

```
<form>
  <fieldset>
    <legend>Personal Info</legend>
    Name:<br>
    <input type="text" name="full-name"> <br>
    Email:<br>
    <input type="email" name="email"> <br>
    <input type="submit" value="submit">
  </fieldset>
</form>
```



Personal Info

Name:

Email:

Submit!



Different `<input>` types

- Text
- Text Area
- Date
- Email
- Password
- Checkbox
- Radio
- Slider
- Dropdown
- Submit



text <input> type

```
<form>  
  <input type="text" name="full-name" placeholder="Full name" >  
</form>
```



textarea <input> type

```
<form>  
  <textarea placeholder="Cover Letter"> </textarea>  
</form>
```

Notice this





date <input> type

<form>

Date of Birth:

<input type="date" name="bday">

</form>

Date of Birth: 01/mm/yyyy

February 2016

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	1	2	3	4	5	6



email <input> type

```
<form>  
  Email:  
  <input type="email" name="email" >  
</form>
```

Email:



Please include an '@' in the email address. 'asd.vom' is missing an '@'.



password <input> type

```
<form>  
  <input type="password" name="pw" placeholder="password" >  
</form>
```

Please enter your password:



checkboxes `<input>` type

`<form>`

What would you like in your Salad?:

`<input type="checkbox">` Corn

`<input type="checkbox">` Onions

`<input type="checkbox">` Mushrooms

`<input type="checkbox">` Ham

`<input type="checkbox">` Beef

`<input type="checkbox">` Chicken

`</form>`

What would you like in your salad?

☒ Corn ☐ Onions ☒ Mushrooms ☒ Ham ☐ Beef ☐ Bacon ☐ Chicken



radio <input> type

```
<form>
```

Coffee Size:

```
<input type="radio" name="size" value="sml"> Small
```

```
<input type="radio" name="size" value="med"> Medium
```

```
<input type="radio" name="size" value="lrg"> Large
```

```
</form>
```

Coffee Size: ☐ Small ☒ Medium ☐ Large



range <input> type

```
<form>
```

How Spicy?

```
<input type="range" min="0" max="100" name="spicy" >  
</form>
```

How spicy? 



select <input> type

```
<form>
  Chicken Spiciness?
  <select name="spiciness">
    <option value="mild"> Mild </option>
    <option value="med"> Medium </option>
    <option value="hot"> Hot </option>
    <option value="xhot"> X-tra Hot </option>
  </select>
</form>
```

Chicken Spiciness

Chicken Spiciness

- ✓ Mild
- Medium
- Hot
- X-tra Hot



iFrames & Embeds



iframes

- Google Slides
- Google Calendar
- Maps



Tony 's Calendar

Today
August 2011
Print
Week
Month
Agenda

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Aug 1 TAP	2	3 TAP	4	5 TAP	6	7
8 TAP	9	10 TAP 10:30am DDS (11	12	13	14
15 TAP	16 CHEVYFORUM	17	18	19 TAP Vacation	20 TAP	21
22 Vacation 11am Andrea E	23 TAP Vacation	24 Vacation	25 FB Broadcast Vacation	26 Work from ho	27	28
29	30 BANK XFER	31	Sep 1 FB Broadcast 2:30pm Roller t	2	3	4

Events shown in time zone: Pacific Time



Other Embed Examples

- Facebook post
- Twitter tweet
- Medium Post
- Youtube video
- Soundcloud post



The Verge
@verge

Follow

Einstein's theory about gravitational waves could be confirmed tomorrow theverge.com/2016/2/10/1095...

pic.twitter.com/NHFJqGyjS6

2:17 PM - 10 Feb 2016

34 37



[Cookie policy](#)

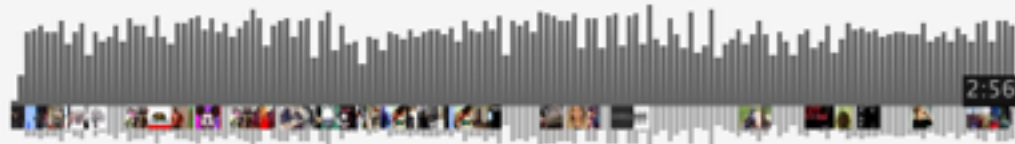


[FettyWap1738](#)

Fetty Wap - Jimmy Choo

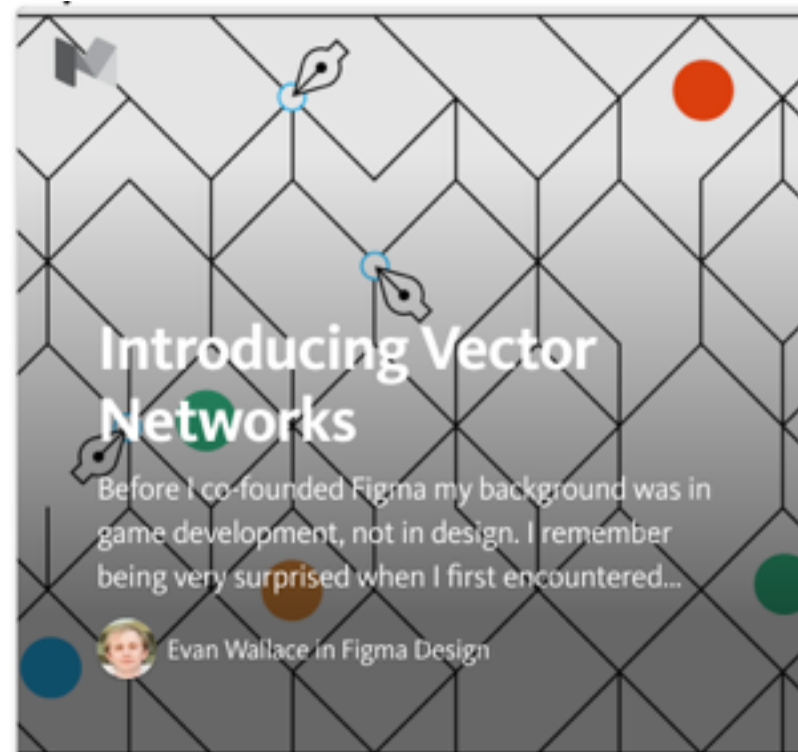
SOUND CLOUD

Share



2:56

24.7M





Exercises



Exercise 1

- Create a table lays out your schedule for Wednesdays:
 - A “Time Slot” column
 - A “Content” column
- Find out how to add a border to a table

Wednesday Schedule	
Time Slot	Content
8 - 9	Wake up
9 - 10	Go to Campus



Exercise 2

- Create a form that has the following:
 - It asks you for your first name, last name, age
 - Asks for your email, telephone number, address
 - a Submit button that has a value of “Register!”
 - Group these inputs accordingly



Exercise 3

- Create a form that has the following:
 - A label to distinguish it
 - A search box to input text
 - a Submit button that has a value of “Search now!”
 - When clicked, it should send you to <http://www.google.com/search>



Exercise 4

- Create a Pizza ordering Menu
- Create a Sign up form for it first
- Each pizza must come with optional toppings
- The mandatory toppings should be preselected
- *HINT:* Look at another website and take inspiration. Dominos or Pizza Hut



Exercise 5

- Continue working on your “Blog” from last time and add some of the new elements you used today to that blog
- Examples:
 - Something from Soundcloud that you like
 - Map of some place you are fond of