

# CMP204 DYNAMIC WEB DEVELOPMENT 1

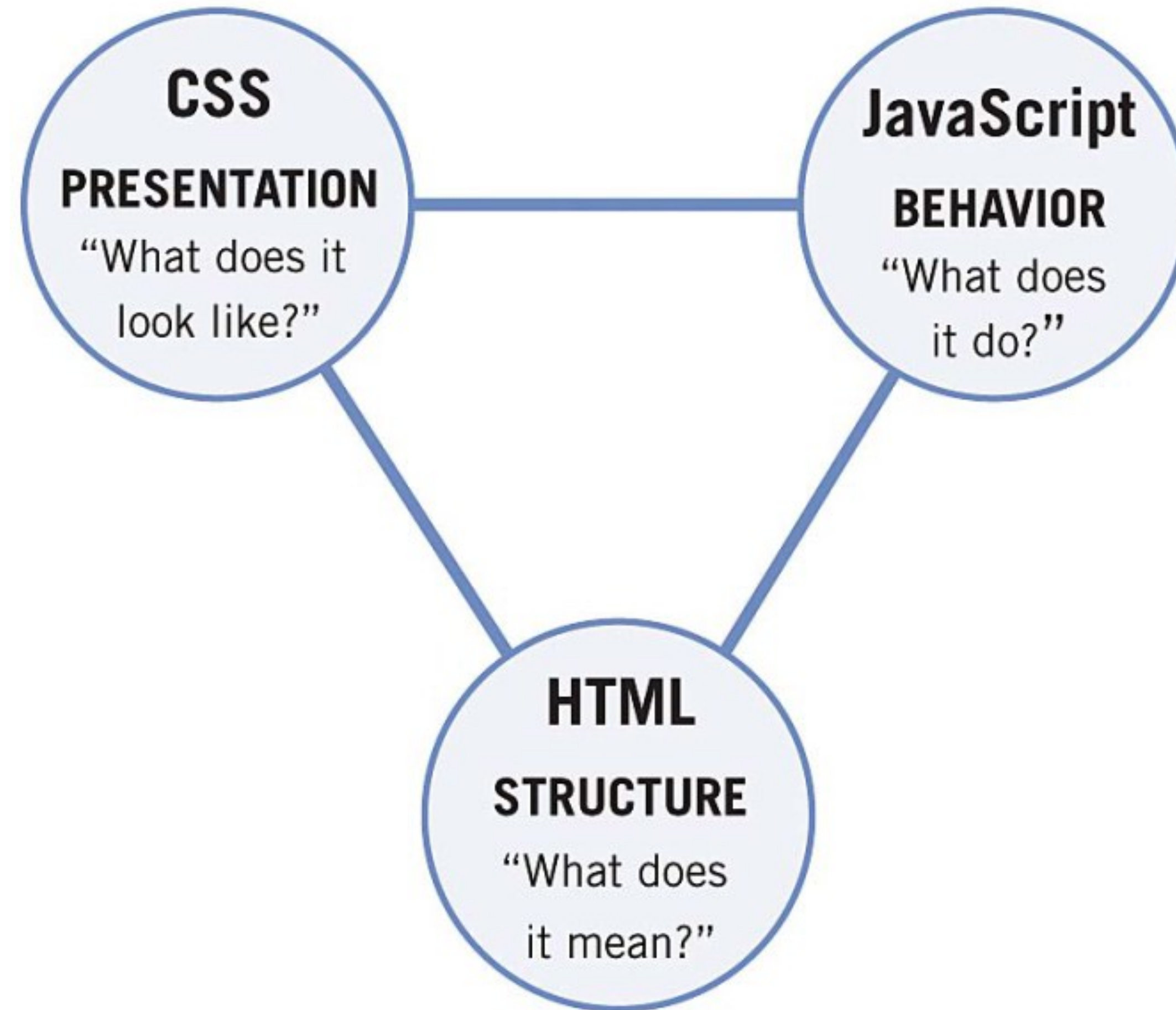
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UNIT 1 – COURSEWORK HINTS

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# WEB APPLICATION

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# WEB APPLICATION

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- ▶ Must be built around a band/musical artist
- ▶ Can't think of one? Make one up



# WEB APPLICATION

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- ▶ You do not have to provide your own images for the site
  - ▶ In this instance, using images found online is ok
  - ▶ Not a publicly available web site
  - ▶ Reference the image in the comments
- ▶ What about the text content?
  - ▶ If you're struggling, use a Lorem Ipsum generator
  - ▶ I'm interested in the functionality rather than the content

# WEB APPLICATION— GENERAL REQUIREMENTS

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- ▶ An attractive layout, suitable colour scheme, and a good use of images
  - ▶ Consider Bootstrap themes on W3Schools
  - ▶ Colour palette ideas- <https://www.colourlovers.com/>
- ▶ Good contrast between the background and text
  - ▶ <https://webaim.org/articles/contrast/>
- ▶ Clear functionality from the perspective of the user
  - ▶ <https://www.smashingmagazine.com/2009/02/clear-and-effective-communication-in-web-design/>

# WEB APPLICATION – SPECIFIC REQUIREMENTS

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- ▶ Use of HTML5
  - ▶ This will be demonstrated across your web application
  - ▶ A simple template was provided in week 1 on MLS
- ▶ HTML, CSS, JavaScript has been contained within separate files
  - ▶ Avoid tag soup - ensure you place your code in separate files and link your CSS and JavaScript to your HTML page
- ▶ Use of the Bootstrap framework providing a responsive layout
  - ▶ You can use Bootstrap templates but write your own custom CSS

# WEB APPLICATION – SPECIFIC REQUIREMENTS

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- ▶ Use of JavaScript to manipulate the DOM based on an event
  - ▶ Onmouseover- show some text about an album?
- ▶ JavaScript loading of dynamically changing information
  - ▶ JavaScript countdown timer? Don't copy the W3Schools one
- ▶ Use of jQuery in conjunction with the DOM
  - ▶ Basic example of adding an image  
<https://jsfiddle.net/techiedelight/suzn2e54/>



# WEB APPLICATION – SPECIFIC REQUIREMENTS

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- ▶ Use of a jQuery plugin to enhance the functionality of your application
  - ▶ <https://www.jqueryscript.net/> lots of examples
- ▶ Appropriate consideration of relevant laws e.g. the “Cookie Law”
  - ▶ Perhaps consider a cookie consent library for the consent pop-up



# GENERAL TIPS

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- ▶ You must not use WordPress or any other content management system when developing your coursework website
- ▶ You should not take the code examples I've given you and paste them directly into your application

# WEB APPLICATION

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- ▶ Include a completed requirements page in your application
- ▶ Submit a .zip file to MLS
- ▶ Upload your coursework to Mayar (this location)
  - ▶ <https://mayar.abertay.ac.uk/~studentnumber/cmp204/coursework1/>
- ▶ If you do not upload your coursework in this location, I cannot view it

# FINAL WORD

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- ▶ This is just a summary of the key points
- ▶ Please ensure you have read the full coursework document on My Learning Space

# QUESTIONS

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