01 - Foundation Coding - Intro

28-April-2020

OUTCOMES

1. **Introductions & general discussion of module**
2. **Working with the web console & console.log();**
3. **Reading - What is Javascript & Real World Uses Of Javascript**
4. **jQuery basics review**

TIME

- 2 - 4 hours

MATERIALS

- Code Editor
- Web Browser - Chrome
- Pen and paper for notes and to do's

ACTIVITIES

1. General discussion and intro with class
2. Working with console and console.log();
   a. https://www.youtube.com/watch?v=q9jAFZjPFHo
   b. Activity: Output your name and favourite food to the console using 3 variables
3. Reading:

   What is Javascript?:

   https://developer.mozilla.org/en-US/docs/Learn/JavaScript/First_steps/What_is_JavaScript

   Things you can do/make with javascript:

   https://www.grandcircus.co/blog/10-things-you-can-build-with-javascript/

   Activity: Answer reading based questions at the bottom of this document

4. jQuery basics review:
    a. Document ready, hide/show, chaining:
        https://www.youtube.com/watch?v=z2oLe7RDJuE
    b. CDN connection, click methods & callbacks:
        https://www.youtube.com/watch?v=-1z_7iuPDGM

Activity: Create 2 or 3 spans for your full name. Have each word hide after the previous has finished hiding

STUDENT INTERACTIONS

1. Initial meeting and interaction
2. 2 hour: 5pm - 7pm contact time open for bookings and one on one support

QUESTIONS & REFLECTION

1. What are the 3 layers of the web layer cake?
2. What are the 2 types of comments in javascript?
3. What does D.O.M stand for ?
4. When using javascript in the browser are we using client side or server side code?

MODULE OUTCOMES

Foundation coding

These learning outcomes will enable you to:

- Debug JavaScript to eliminate errors
- Include a JavaScript library to meet project requirements
- Extend a JS library with a 3rd party plugin
- Use a range of production tools to assist in the development of a project
- Use JavaScript to manipulate the DOM
- Implement functionality of UI components with appropriate raw JavaScript and/or a library
- Write code consistently following a code style guide

- Quality assure own code by testing against industry standards
- Define deliverables based on use cases prior to production
- Write an appropriate proposal for a web project
- Set critical deadline milestones for project during the planning stage, and analyses variations from this when signing off the project