Foundation coding

Overview:

This module teaches the fundamentals of object oriented coding and version control in a javascript environment.

You will learn the basic principles of programming, and will use JavaScript to build UI components and to enhance user experience of a modern web page. You will discover the power of pre-built JavaScript libraries by integrating them into your own programmes

Learning outcomes:

a. Debug JavaScript to eliminate errors
b. Include a JavaScript library to meet project requirements
c. Extend a JS library with a 3rd party plugin
d. Use a range of production tools to assist in the development of a project
e. Use JavaScript to manipulate the DOM
f. Implement functionality of UI components with appropriate raw JavaScript and/or a library
g. Write code consistently following a code style guide
h. Quality assure own code by testing against industry standards
i. Define deliverables based on use cases prior to production
j. Write an appropriate proposal for a web project
k. Set critical deadline milestones for project during the planning stage, and analyse variations from this when signing off the project