Task 2A: Web Fundamentals quiz

1. What is the World Wide Web?
   1. A global information system made up of web pages connected to each other using hyperlinks.
2. Explain the functional differences between a web application’s front-end and back-end.
   1. Front-end development focuses on the user-facing elements of a website: user experience, visual aesthetics, and interactivity by contrast, back-end development focuses on user-functionality, data management and handling server operations.
3. Describe what occurs on the back end during web interactions using the “Google Query example” or create your own example.
   1. During back-end development, tasks like collecting data from relevant sources, predictive searches and managing multiple requests are handled.
4. What is the MERN stack?
   1. The MERN stack is a collection of technologies employed when using JavaScript as a full-stack developer. M is for MongoDB—a non-relational database that stores documents as objects, it provides a JSON-based storage approached as opposed to a SQL-based one. E is for Express—a web framework that simplifies server-side web development using node.js. R is for React—a JavaScript library by Meta for creating dynamic user interfaces for both user and server sides. Finally, N is for Node.js—a runtime environment that allows JavaScript to run on browsers and web servers.