1.3 I can understand a range of tools and techniques and relate these to

Projects

Some hardware needed for development projects:

There are many types of hardware and equipment that developers can employ, it all depends on the developer, what they’re working on, and what they’re comfortable with. As long as the end result project be completed, is quick and functions the way it’s supposed to.

Computers/Laptop with high resolution visual interface, and multi-screen set ups. To be able to see as much detail as possible a HD monitor is essential. The two-monitor setup allows for multitasking. You can do coding, programming, and other tasks on one screen, and view the results on the other screen. It also makes sharing data between different programs or applications a lot easier. You can simply drag files from one program to the other, even if both are Fullscreen. Some developers use a separate for communication with their team, while they work.

A picture containing text, indoor, wall, desk

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Solid state-drive & Fast broadband connection. High processing speed is essential for web development and software design. Developers are often dealing with massive amounts of code, which can take up a lot of space. If the system lags, it slows down the workflow. And the longer it takes to finish development, the more it costs the company. In order to keep a workflow moving quickly, hardware that can keep up is necessary.

Fast speed Internet connection. For speedy-uninterrupted communication, work related research and uploading/downloading.

Tools needed

A compatible code editor, a popular one is Visual studio.

Knowledge of HTML

Hypertext markup language knowledge is required for the coding required to structure a web page and its content.

Knowledge of CSS

CSS is one of the foundational web technologies every developer needs to know, css is used to style the web page.

Project Management & Planning tool application

A project management application helps teams collaborate and keep track of the project's progress while clearly defining tasks and responsibilities. It lets project managers control costs and time and allows smooth collaboration between stakeholders. Some of the top software applications for project management are, Trello, Cickup, Monday.com, Smartsheet and Teamwork.

Graphical user interface, application

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Scrum techniques

* Product Backlog and Prioritization.
* Sprint Plan and Requirement Refinement. ...
* Start Sprint and Stand-Ups. ...
* Burndown Chart. ...
* Timeline. ...
* Sprint Review/Retrospect.

Graphics

Graphics are used in web development, to point readers and viewers to particular information. They are also used to supplement text to aid readers in their understanding of a particular concept or make the concept more clear or interesting and communicates ideas visually. Some graphic design editors used for graphics in web development projects are Gimp, adobe photoshop, adobe Dreamweaver, Inkscape and paint.

Audio

Audio is used to give instructions, especially where there is no screen or, where looking at a screen would be difficult, unsafe or impossible, it can also be used to augment visuals, and when certain details would be better captured as audio. Some popular Audio editor applications used are, Audacity, Adobe audition cc and sound forge.