

Module 1 - Web Development

Getting Started

Overview:

- What are websites? How do they work? How are they built?
- Setting up your development environment for web development
- How do computers work with files (file paths) and folders (directories)?

Websites:

A web page is a document, commonly written in HTML, that is viewed in an Internet browser. It allows users to interact with it and perform actions (filling forms, downloading files etc.)

A website is a collection of web pages and related content that is identified by a common domain name and published on at least one web server. Examples of notable websites are Google, Facebook, Amazon, and Wikipedia.

[How does the web work?](#)

[Web Pages](#)

Setting up your computer:

You need to have the following software to be able to starting developing/creating web pages.

- A text editor:

A system or program that allows a user to edit text. An example is Notepad on Windows.

For web development, you should use a more robust tool. Visual Studio Code and Sublime Text are good choices.

[Download VS Code](#)

[Download Sublime Text](#)

[Setting up VS Code for Web Development](#)

[Setting up Sublime Text for Web Development](#)

- A browser:

Browsers are software programs that accept HTML (and a number of other language formats) and render them so that people can interact with your web page/site. As a web developer, it's important we test our websites on as many devices/browsers as possible to ensure that all our website users have a consistent and enjoyable experience.

[Install Browsers](#)

Files and Folders:

When building a website, we work with multiple files and folders. HTML files, text files, images, and videos are just some examples of the type of files we work with. It's important to know how computers view and handle files. How can a computer differentiate a video from a text document?

[MDN - Dealing With Files](#)

[Window Basics - Working With Files](#)

[Command Prompt Basics - Files and Folders](#)

Resources:

[MDN - Installing basic software](#)

Assessment:

1. Take the test: <https://forms.gle/kavgDtb4cK13d6336> (Google Form)