

# Web Development (2021)

Identify basic principles of how the Internet is constructed, how it functions and how it is used. [WD 1](#)

- 1 Identify the infrastructure required to access the Internet. [WD 1.1](#)
- 2 Summarize Internet development and functions. [WD 1.2](#)
- 3 Recognize the purpose of domains. [WD 1.3](#)
- 4 Define the function of a Domain Name Server (DNS). [WD 1.4](#)
- 5 Define important Internet communications protocols and their roles in delivering basic Internet services. [WD 1.5](#)
- 6 Demonstrate knowledge of standard copyright rules. [WD 1.6](#)
- 7 Explain the use and purpose of acceptable use policy (AUP). [WD 1.7](#)

Demonstrate creation of web pages. [WD 2](#)

- 1 Demonstrate knowledge required to create a web page. [WD 2.1](#)
- 2 Demonstrate appropriate file structure and naming. [WD 2.2](#)
- 3 Create web pages with appropriate HTML structure and standards that can be validated using World Wide Web Consortium validator (W3C). [WD 2.3](#)
- 4 Demonstrate the use of elements and attributes. [WD 2.4](#)
- 5 Incorporate meta tags for page documentation and search engine optimization (SEO). [WD 2.5](#)

Format web pages using Cascading Style Sheets (CSS). [WD 3](#)

- 1 Apply essential aspects of the CSS. [WD 3.1](#)
- 2 Apply CSS to a website. [WD 3.2](#)
- 3 Use basic selectors in a CSS. [WD 3.3](#)

Plan, design, implement, and maintain website(s). [WD 4](#)

- 1 Analyze project requirements. [WD 4.1](#)
- 2 Plan site design and page layout. [WD 4.2](#)
- 3 Create basic content for website. [WD 4.3](#)
- 4 Edit and revise a site. [WD 4.4](#)

**Explore careers in Web Development.** WD 5

**1 Explore Information Technology (IT) Web Development careers.** WD 5.1

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**2 Demonstrate job skills for programming industries.** WD 5.2