

Domain	WEB DEVELOPMENT	UNIT ID: 2311
Title:	Demonstrate an understanding of web development fundamentals	
Level: 3		Credits: 7

Purpose

This unit standard is intended for those who demonstrate an understanding of web development fundamentals. People credited with this unit standard are able to demonstrate an understanding of a web page, demonstrate an understanding of website characteristics and features, identify tools and applications used in web development and demonstrate an understanding of web systems emerging technologies.

This unit standard is intended for those who work as web developers.

Special Notes

1. Entry information:
 - Prerequisite:
 - None
2. This unit standard is to be delivered and assessed in the context of information and communication technology.
3. Assessment evidence may be collected from a real or a simulated workplace in which ICT operations are carried out.
4. Tools and equipment may include but are not limited to computer, external devices, storage devices and basic computer applications.
5. Glossary of terms
 - *HTML*-Hypertext Markup Language
6. Performance of all elements in this unit standard must comply with industry standards.
7. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act 2007(Act No 11, 2007).
 - Regulations relating to the health and safety of employees at work under schedule 1 (2) of the Labour Act No.11 of 2007 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this sub-field may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia

Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na

Elements and Performance Criteria

Element 1: Demonstrate an understanding of a web page

Performance Criteria

- 1.1 Basic internet browsing and content download are explained.
- 1.2 Laws and regulations pertaining to web design and development are outlined.
- 1.3 Web browser and website compatibility are outlined.

Element 2: Demonstrate an understanding of website characteristics and features

Performance Criteria

- 2.1 HTML language is explained.
- 2.2 Server-Side script is explained.
- 2.3 Characteristics and features of a static website are outlined.
- 2.4 Characteristics and features of a dynamic website are outlined.

Element 3: Identify tools and applications used in web development

Performance Criteria

- 3.1 Text Editors and Integrated Development Environment (IDE) are identified.
- 3.2 Usage of graphics editors is demonstrated.
- 3.3 Usage of File Transfer Protocol (FTP) and Structured Query Language (SQL) clients are demonstrated.
- 3.4 Web and database server is explained.

Element 4: Demonstrate an understanding of web systems emerging technologies

Performance Criteria

- 4.1 E-Commerce concepts are explained.
- 4.2 Business information systems are explained.
- 4.3 Enterprise Resource Planning (ERP) systems are explained.
- 4.4 Social networks are explained.

Registration Data

Subfield:	Information and Communication Technology
Date first registered:	30 July 2020
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Anticipated review:	2025
Body responsible for review:	Namibia Training Authority