

UNIT NAME	USER INTERFACE AND WEB DESIGN			UID
Unit description	The User Interface and Web Design knowledge unit concerns the design of software and hardware components that interact with the user and provide information and control to that user, such as the visuals and usability of websites or interactive applications hosted on computers, tablets and smart phones. This topic encompasses web development, user controls (buttons, gestures and voice) and user experience including user feelings and behaviour.			
Common Knowledge	All ICT professionals should understand the fundamentals of user interface and web design as articulated in the unit description. Each ICT Professional should be aware of the relevance and context of this subject to ICT in the organisation, including the following topics: <ul style="list-style-type: none"> • Basic design principles of user interfaces • Types of common user input devices • Effectiveness and quality of interfaces 			
Tags for views	Knowledge Domain 5. Software	EN16234-1 e-CF area(s) A. PLAN B. BUILD	EN16234-1 e-CF Competence(s) A.6. Application Design A.10. User Experience B.1. Application Development	ICT Professional Role Profile(s) CWA16458-1 Developer Role (6) Digital Media Specialist Role (7) Solution Designer Role (24)
Base Knowledge	ICT professionals specialising in this field should have further knowledge that includes the following topics: <ul style="list-style-type: none"> • Principles of user-centred design and usability • Methods and techniques of user research • Interaction design principles (e.g. Nielsen's heuristics) • Visual design principles (e.g. structure, simplicity, visibility, feedback, tolerance, reuse) 			
Specialised Knowledge	More in-depth knowledge of user interface and web design is further articulated in specialised sources.			
References	<ul style="list-style-type: none"> • ISO 9241 Ergonomics of human-system interaction https://www.iso.org/standard/60476.html • ISO/IEC/IEEE 23026 Engineering and management of websites https://standards.ieee.org/standard/23026-2015.html • Web Management Professional Body of Knowledge (WMPBoK)(Web Management Institute) http://webmanagementinstitute.org/wmbok/ • Usability Body of Knowledge (The User Experience Professionals' Association (UXPA)) https://www.usabilitybok.org/ 			