



Australian Government

ICTICT420 Develop client user interface

Release: 1

ICTICT420 Develop client user interface

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to design and document a client user interface that integrates with front-end applications.

It applies to individuals who work in small-to-medium enterprises (SMEs) as software designers and developers and have achieved a degree of autonomy.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

General ICT

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare design for interface	1.1 Review requirements and other documentation to determine user needs 1.2 Investigate system environment to determine the impact of user interface design 1.3 Review organisational goals to ensure consistency with organisational styles 1.4 Define data query and report formats for the user interface design where appropriate 1.5 Document needs and findings, and obtain approval for the proposed interface from the appropriate person
2. Design and document	2.1 Design menu structures according to requirements and

ELEMENT	PERFORMANCE CRITERIA
user interface	acceptance criteria, and following design principles 2.2 Design screen dialogues according to requirements and acceptance criteria, and following design principles 2.3 Design batch procedures where appropriate to technical specifications and acceptance criteria 2.4 Design online help and tutorials for the prototype, and following design principles 2.5 Document prototype according to organisational goals 2.6 Submit prototype to appropriate person for sign-off

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1-1.4	Identifies and interprets a variety of hard copy and online technical and design information to identify system environment, organisational requirements and clarify user requirements
Writing	1.4, 1.5, 2.1-2.5	- Uses correct spelling and grammar, plain English and specific terminology to produce documents and tutorials to organisational guidelines and user requirements - Uses the appropriate programming syntax and conventions to perform the job role - Uses concise plain English and identifies and applies organisational designs, styles and interface, writing principles consistently on titles, text links, buttons, error messages and other interface objects
Oral Communication	1.1-1.5, 2.6	- Elicits and evaluates information using effective listening and questioning techniques - Uses simple and relevant language to confirm understanding of requirements, liaise with the client and obtain feedback
Navigate the world of work	1.3, 2.5	Considers the implications of organisational policies and procedures when planning and undertaking work

Interact with others	2.6	Actively identifies the requirements of important communication exchanges, selecting appropriate channels, format, tone and content to suit purpose and audience
Get the work done	1.1, 1.2, 1.4, 2.1-2.3	- Develops plans to manage relatively complex, non-routine tasks with an awareness of how they may contribute to longer term operational and strategic goals - Uses a range of digitally based technology and applications to access and filter data, extract, organise, integrate and share relevant information in increasingly effective ways

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT420 Develop client user interface	ICAICT420A Develop client user interface	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTICT420 Develop client user interface

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- determine impact of user interface design in the system environment and identify appropriate data query and report formats
- design menu structures according to design principles
- design screen dialogues in line with requirements and acceptance criteria
- design batch procedures
- develop online help and tutorials for prototype.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- identify client business area
- discuss current industry design principles
- identify the general features and capabilities of current industry accepted hardware and software products
- identify general features and capabilities of current industry accepted user interfaces
- identify front-end systems
- discuss GUI and web design principles.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the general information and communications technology (ICT) industry, and include access to:

- design specifications
- organisational standards for documentation and version control
- project management process and hierarchy
- a usability test plan
- agreed usability metrics.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>