



**Australian Government**

# **Assessment Requirements for ICTICT433 Build graphical user interfaces**

**Release: 1**

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## Modification History

| Release   | Comments   |
|-----------|--|
| Release 1 | This version first released with ICT Information and Communications Technology Training Package Version 6.0. |

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design and build a fully functional graphical user interface (GUI) according to specifications and organisational standards.

In the course of the above, the candidate must:

- demonstrate a GUI in concept and compiled form
- use applicable development tools in GUI construction
- confirm functionality of GUI on at least two different browsers and at least two different devices.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- object oriented programming concepts applicable to building graphical user interfaces
- system properties applicable to building a graphical user interface
- application development languages and prototyping tools and features included
- application programming interface (API) features
- open-source development tools
- organisational standards and codes of practice applicable to GUI building
- key testing procedures and documentation techniques required when building graphical user interfaces
- issues relating to copyright and intellectual property, privacy and data access legislation.

## Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- GUI requirements documentation
- online tools available for prototyping and GUI design
- applicable organisational standards
- an integrated development environment (IDE) for determined language
- required hardware and its components
- required software, tools and licenses
- browsers and devices.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## Links

Companion Volume Implementation Guide is found on VETNet -

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