



Australian Government

Assessment Requirements for ICTPRG409

Develop mobile applications

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 1.0.

Performance Evidence

Evidence of the ability to:

- identify the relevant mobile platform
- determine, prepare and configure a development environment
- design and build an application for the platform
- test and debug the application, to ensure that it meets requirements

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:

- describe the considerations of mobile device hardware and networking, when programming
- summarise the principles of object-oriented programming
- describe user-interface design principles
- describe extensible markup language (XML) programming and web services
- explain the language integration for web design including:
 - hypertext markup language (HTML)
 - JavaScript
 - cascading style sheet (CSS)
 - Asynchronous JavaScript and XML (AJAX)
- identify and describe contemporary mobile platforms including:
 - mobile phones
 - pocket and tablet personal computers
 - digital assistants.

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 programming and software development industry, and include access to:

- mobile devices or simulators
- an integrated development environment (IDE)
- the internet, and web services
- the server system, with sufficient privileges to deploy applications
- specific tools and licences for platform.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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