Australian Government

Assessment Requirements for ICTPRG514 Prepare for software development using rapid application development

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:

- select, and use, a rapid application development (RAD) tool set
- implement a prioritised plan
- implement and incorporate a physical database
- identify, document and schedule the modules to be implemented
- identify and allocate responsibilities
- plan for and document the endorsement of reviews, administration schedules and milestones
- determine work metrics
- set the development goals
- seek and secure an agreement on, and adherence to, a single common notation
- determine the most appropriate tools, features and techniques
- facilitate, plan, develop and document version and change-control methods
- facilitate training and exposure for the user participants via RAD
- implement administration
- determine and secure the agreement of stakeholders
- confirm dates, and secure written agreement for the milestones
- inform the production-system parties and secure written acknowledgment
- administer and maintain, time-recording and management.

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

Innovation and Business Skills Australia

Knowledge Evidence

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

- describe commonly used and industry-accepted prototyping tools
- describe the client business and the impact on the software application
- identify, and describe, the programming languages commonly used for application development
- outline the quality assurance practices required for software development
- outline the industry development methodologies used for software development.

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:

- the computer-aided software engineering tools (CASE) repository, to facilitate the re-use of templates and components
- CASE tools
- detailed user requirements
- prototyping software
- the requirements document, including the model and scope.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion volumes available from the IBSA website: http://www.ibsa.org.au/companion_volumes - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e 9d6aff2