



Australian Government

ICTPRG509 Build using rapid application development

Release: 1

ICTPRG509 Build using rapid application development

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 build using rapid application development (RAD) tools.

It applies to individuals who may work as programmers and who are required to develop new systems.

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

Unit Sector

Programming and software development

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. Construct an application using RAD	<ul style="list-style-type: none">1.1 Capture and record business rules, using a methodology well-suited for the chosen RAD and RAD techniques1.2 Design an application with a focus on modularity and future extension1.3 Develop the code by other RAD tools1.4 Build and demonstrate the completed transaction to the user, for revision within the agreed terms of reference1.5 Take action to ensure that the design caters for continuous change, by involving the user in the iteration process1.6 Provide quality assurance (QA) testing throughout the phase and provide feedback to the appropriate person

ELEMENT	PERFORMANCE CRITERIA
	1.7 Use code optimisers and performance tools
2. Prepare the handover stage	<p>2.1 Track the implemented modules, and follow up where necessary with the appropriate person</p> <p>2.2 Review user and builds for each module in the deliverables as preparation for handover</p> <p>2.3 Compare the specification and implementation schedules for each module, and confirm the functional requirements, according to the specifications</p> <p>2.4 Document the completed work</p>

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, 2.2, 2.3	<ul style="list-style-type: none"> Interprets and analyses complex technical documents
Writing	1.1, 1.2, 1.3, 2.4	<ul style="list-style-type: none"> Documents technical processes and completes workplace documents, in a style and form appropriate to the audience
Interacts with others	1.4, 1.5, 1.6, 2.1	<ul style="list-style-type: none"> Liaises with users, and manages changes in design, by collaborating with different stakeholders in the development process
Get the work done	1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 2.1, 2.3	<ul style="list-style-type: none"> Identifies technical, or conceptual issues, and applies analytical processes in order to resolve issues Uses a range of digital tools and sophisticated techniques, to meet the desired outcomes Takes responsibility for planning, sequencing and prioritising tasks, to achieve the required outcomes Uses analytical and lateral thinking to review practices and to suggest improvements

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTPRG509 Build using rapid application development	ICAPRG509A Build using rapid application development	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>