



Australian Government

Assessment Requirements for UEECS0018

Develop web pages for engineering applications

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- analysing and dealing with unplanned events to provide solutions
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- applying server scripting languages to scripting to developing client-side programming and validations
- applying syntax functions and features of mark-up language scripts
- completing intermediate and final work reports
- creating and rendering effective web pages
- creating and rendering pages with relative and absolute links, images and table formatting
- creating forms with relevant elements and element groupings
- developing and testing workplace procedures
- developing web pages for engineering applications
- identifying and rectifying problem and bugs in web page program
- identifying relevant development tools and software
- implementing strategies for development work
- interpreting page development requirements
- monitoring quality of work
- preparing to develop web pages for engineering applications
- providing basic web functionality
- selecting relevant development tools and software
- testing, evaluating, implementing and documenting developed web pages.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- client server architecture

- configurations and profile overview
- consideration for system architecture
- extensible mark-up language (XML)
- extensible stylesheet language (XSL) generating hypertext mark-up language (HTML) from XML
- HTML scripting
- HTML
- problem-solving techniques
- relevant development tools and software
- relevant forms
- relevant manufacturer specifications and installation instructions
- relevant job safety assessments or risk mitigation processes
- relevant server scripting languages
- relevant syntax functions and features
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instructions, quality, policies and procedures
- wireless thin client programming.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to developing basic web pages for engineering applications
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>