



CANTERBURY
TECHNICAL INSTITUTE

ASSESSMENT

ICT50715

Diploma of Software Development

Testing and Validation

Assessment Code:

DITS-PRG504 -1

Deploy an application to a production environment

Assessment Overview

This assessment deals with the, skills and knowledge required to install, uninstall, and configure an application to a production environment.

Information for Candidate:

- All work is to be entirely of the candidate.

General Information for this assessment:

- Read the instructions for each question very carefully.
- Be sure to PRINT your FULL name & LAST name in every place that is provided.
- Short questions must be answered in the spaces provided.
- For those activities requesting extra evidence such as: research reports, ESSAY reports, etc. The student must attach its own work formatted in double space, Arial 12 pts.
- All activities must be addressed correctly in order to obtain a competence for the unit of competency.
- If the candidate doesn't understand the assessment, they can request help from the assessor to interpret the assessment.

Re-assessment of Result & Academic Appeal procedures:

If a student at CTI is not happy with his/ her results, that student may appeal against their grade via a written letter, clearly stating the grounds of appeal to the Deputy Principal. This should be submitted after completion of the subject and within fourteen days of commencement of the new term.

Re-assessment Process:

- An appeal in writing is made to the Deputy Principal providing reasons for re-assessment /appeal.
- Deputy Principal will delegate another faculty member of CTI to review the assessment.
- The student will be advised of the review result done by another assessor.
- If the student is still not satisfied and further challenges the decision, then a review panel is formed comprising the lecturer/trainer in charge, the Deputy Principal and the Director of Student Services OR if need be an external assessor.
- The Institute will advise the student within 14 days from the submission date of the appeal. The decision of the panel will be deemed to be final.
- If the student is still not satisfied with the result, the he / she has the right to seek independent advice or follow external mediation option with CTI's nominated mediation agency.
- Any student who fails a compulsory subject or appeals unsuccessfully will be required to re-enrol in that subject.

The cost of reassessment will be borne by the Institute. The external assessor will base his/her judgement based on principles of assessment. These principles require assessment to be reliable, fair, practical and valid.

Academic Appeals

- If you are dissatisfied with the outcome of the re-evaluation process, you have a right to appeal through CTI's complaint / grievance protocol.
- The notice of appeal should be in writing addressed to the Deputy Principal and submitted within seven days of notification of the outcome of the re-evaluation process.
- If the appeal is not lodged in the specified time, the result will stand and you must re-enrol in the unit.
- In emergency circumstances, such as in cases of serious illness or injury, you must forward a medical certificate in support of a deferred appeal. The notice of appeal must be made within three working days of the concluding date shown on the medical certificate.
- The decision of Deputy Principal will be discussed with the PEO and will be final.
- Student would then have the right to pursue the claim through an independent external body as detailed in the students' complaint / grievance policy.

Submission Details:

The assessment task is due on trainer provided date. Any variations to this arrangement must be approved in writing by your assessor. Submit this document with any required evidence attached. See specifications below for details

Performance objective

The candidate must demonstrate skills, knowledge and understanding and promote the use and implementation of innovative work practices to effect change, as states the unit of competency **ICTPRG504**. Throughout this program, you are to demonstrate foundation skills in:

- Write and edit computer code, and technical data, ensuring the correct syntax and accuracy.
- Systematically gather and analyse all relevant information and evaluate options, to make decisions about APIs.
- Identify technical or conceptual issues, and apply analytical processes, to resolve issues.
- Use a range of digital tools and sophisticated techniques, to meet the desired outcomes.

Assessment description:

You will undertake **computer based test** based on class lectures and activities in this Practical Activity.

Procedure:

- 1 You will need to follow instructions below and address all activities required.
- 2 This is an individual activity where each candidate will be assessed individually;
- 3 Complete all activities and submit assessment evidence (including these papers) to your assessor the date specified above (see submission details).

Specifications/Conditions:

Your assessor will be looking for evidence of:

- Analyse legislation and standards relating to professional conduct and privacy in the IT industry
- Contribute to the development of a code of ethics and monitor the workplace to ensure code of ethics is being applied and is appropriate
- Contribute to the development of a privacy policy and monitor the workplace to ensure the policy is being applied and is appropriate.
- Relevant organisational policies, legislation and standards documentation.
- Industry codes of practice.

Assessment Details

DEPLOY TO A PRODUCTION ENVIRONMENT

Task 1: Prepare an installation plan

In this task, you are required to plan for a deployment of the LPA eComs web application to the Linux webserver you setup previously. Before launching any web-site it must be tested and verified in a testing environment and a production environment. The testing environment is similar to the environment where products are tested, usually on local web servers with additional packages (MySQL Server) installed on the server. A production environment is the environment similar to the real web (the Internet) where client uses the services. Make two versions, testing and production, once the production version is verified (the system is capable to deliver the right services as it was planned) then it is launched to live website.

Prepare an installation plan according to the supplied template.
(ICTPRG504 Installation Plan Template(Task1).docx)

Task 2: Deployment

This task is to focus on demonstration and observation of the web application within on local domain of the lab environment. This part ensures the successful installation of website, proper database connectivity and your website runs on the stated local domain of the lab environment.

Use the supplied observation report template to record your findings.
(ICTPRG504 Observation Report(Task2).docx)

Assessment Submission Details

This assessment requires the following evidence:

Required documentation to be included in a single compressed archive (**ZIP** or **7z**) file as follows:

- ICTPRG504 Installation Plan Template(Task1).docx
- ICTPRG504 Observation Report(Task2).docx
- Any other relevant documents/source code/reports for this assessment.

Submit the compressed archive electronically via edRES submissions section or if otherwise instructed by your assessor/instructor.