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| Student Name |  | | Student Number | |  |
| Unit Code/s & Name/s | ICTPRG502 Manage a project using software management tools | | | | |
| Assessment Name | Class Test | | Assessment Task No. | | AT2 |
| Date of test/exam | 28/11/2018 | | | | |
| **Student Declaration:**  I declare that this assessment is my own work. I am aware of and understand the rules related to assessment as outlined in TAFE Queensland Student Rules and acknowledge that failure to comply with these rules will be regarded as misconduct and will be subject to disciplinary action as outlined. | | | | | |
| Student Signature |  | | | Date |  |
| Assessor Feedback:  Student provided with feedback *(check box when completed)* | | | | | |
| Attempt 1 | Satisfactory | Unsatisfactory | | Date | / / |
| Attempt 2 | Satisfactory | Unsatisfactory | | Date | / / |
| Assessor Name |  | Assessor Signature | |  | |
| Note to assessor: Please record any reasonable adjustment below that has occurred during this assessment. E.g. written assessment given orally; scribe provided. | | | | | |
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| **PRIVACY DISCLAIMER:** TAFE Queensland is collecting your personal information for assessment purposes. The information will only be accessed by authorised employees of TAFE Queensland. Some of this information may be given to the Australian Skills Quality Authority (ASQA) or its successor and/or TAFE Queensland for audit and/or reporting purposes. Your information will not be given to any other person or agency unless you have given us written permission or we are required by law. | | | | | |

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| Assessment rules | Only students enrolled in the unit of competency, the Assessor / Supervisor, and other authorised personnel may enter or remain in the room during a written test / exam. The Assessor/ Supervisor may ask you to produce photographic identification (e.g. student ID card, driver’s licence).  Unless approved by the Assessor / Supervisor prior to the written test / exam (e.g. for open-book exams) you may not bring any devices capable of conveying information relevant to the content (e.g. text books, course notes, mobile phones, pagers, notebook computers, and other devices). You must ensure mobile phones and other electronic devices are turned off prior to the commencement of the written test / exam.  You are required to comply with all directions:   1. Detailed in assessment material supplied; 2. Set out on any notice displayed in the room; and 3. Given by the supervisor.   During a written test / exam session you may not:   1. Communicate with any person other than the supervisor; 2. Assist another person to communicate with another person; and 3. Willingly receive communication from any person except with the approval of the supervisor.   Unless permitted by the supervisor, you may not take from the room any papers or other materials provided for use during the written test / exam.  You are expected to be considerate of other students when entering or leaving the room or when in the vicinity of the room.  If you consider that your performance in the written test / exam has been adversely affected by illness, disability, bereavement or other exceptional circumstances you may apply for special consideration. **For more information, refer to the Student Rules.** |
| Instructions to Student | **Number of Questions:** 8  **Time Allowed:** 4 hours  **Examination Conditions:**  This is a closed book examination; All questions must be attempted.  **Materials to be supplied:**  Examination paper  **Materials to be supplied by the Student:**  Paper for recording answers  **General Instructions:**  You are required to answer each of the questions provided. You must use a black or blue pen to provide answers, not pencil. Sketches, however, may be in pencil.  **Calculators:**  Calculators may be used during this examination. Before the examination commences, all memories must be fully cleared and programs erased.  **Number of Attempts:**  You will receive up to two (2) attempts at this assessment task. Should your 1st attempt be unsatisfactory (U), your teacher will provide feedback and discuss the relevant questions with you and will arrange a date your 2nd attempt. If your 2nd attempt is unsatisfactory (U), or you fail to attend the scheduled date for a 2nd attempt, you will receive an overall unsatisfactory result for this assessment task. Only one re-assessment attempt may be granted for each assessment task, with the exception of Apprentices or Trainees who are permitted an additional supplementary assessment. **For more information, refer to the Student Rules.** |
| Instructions for the Assessor | This is a closed book examination.Remind students of TAFE Queensland Student Rules assessment requirements. |
| Submission details | Students are to submit written answers to the teacher at the end of the exam. |
| Note to Student | An overview of all Assessment Tasks relevant to this unit is located in the Unit Study Guide. |

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| Scenario-01 | Scenario |
| **Carmel’s Caravanning Crosswords**    © TAFE Queensland 2017  **Introduction:**  Carmel, who runs Carmel’s Caravans – a caravan sales yard - is looking for a novel way to get new and existing customers coming back to her web site regularly.  Carmel has decided that a 10 by 10 grid crossword, changed monthly, may provide one form of incentive.  **Web Application Requirements**  Carmel requires this *Crossword Application* to:  Allow users to add/edit their personal details including: Name, Address, Phones, Email, Marketing-Contact-Is-Okay, plus Username and Password.  On user request, display this month’s 10 by 10 grid crossword, ready for the user to add their crossword entries. This page should also provide the list of associated crossword clues.  Allow a logged-in user to:  save their partly completed crossword for review and completion at a later time.  view solutions of crosswords from previous months.  Allow the administrator to:  add/edit/save new crossword puzzles including associated clues.  review old crosswords.  add/edit user and other administrator-related details.  **Management Facilities**  The system is to allow Carmel to add, edit, save and send emails to clients who have a tick in the field: Marketing-Contact-Is-Okay.  The system is to allow Carmel to print mailing labels for clients who have a tick in the field: Marketing-Contact-Is-Okay.  **Management Reporting**  The system is to generate the following reports:  User listings:  All users.  Users who have attempted a crossword between two dates.  Statistical Report, between two dates:  Total Number of users.  Number of crosswords attempted by members.  Number of marketing emails prepared.  Number of marketing emails sent (Sum of the number of members for each email.) | |

Answer the following in paragraph or dot-point format in roughly 100 words per question:

1. What software **development methodology** would you apply to this development project? Give reasons to your answer.

1. What **source code control** would you use? Give reasons to your answer.

1. Describe how you would **manage** your project throughout the life cycle using your project management software and source code control software.

1. Explain why **initiative and enterprise skills** are important in managing a project using software management tools.

1. List and describe 5 Knowledge Areas of Project Management, or explain the basic fundamentals of successfully managing a project.

1. Under what circumstances might you use a **Waterfall** Software Development Life Cycle? Describe the standard phases within a Waterfall SDLC.

1. Outline two (2) reasons why software specifications are important.

1. Describe version control and its process or technique and explain why it’s necessary in software development.

**End of assessment**