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| **Subject Information** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course** | | | | UEE60411 Advanced Diploma of Computer Systems Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Unit[s] of Competency** (If cluster list all units in cluster) | | | | UEENEED103A Evaluate and modify object oriented code programs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Assessment Information for Student** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Name of task** | | | | **AT3 Documentation of code, testing and debugging for AT1 and AT2** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Type of task** | | | | | Assignment | | | | | | | **Task Number** | | | | | | | | | 3 | | | | of | | | | 4 | | |
| **Where you will work on your task** | | | | | The Gordon, in class | | | | | |  | | | | | | | | | | | | | | | | | | | | |
| **Time available to complete this assessment** | | | | | 20 Hours | | | **Due date** | | | | | | | 26/06/2020 | | | | | | | | | | | | | | | | |
| **What you are required  to prepare, do or make** | | | | Documentation of the process of completing assessment tasks AT1 and AT2. This will include fully commented python source code, testing and debugging procedures. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Specific Assessment requirements (if any)** | | | | Evaluating and modifying programs written in object oriented code, programming language must include at least the following features:   * graphical User Interfaces * applets and graphics * Exceptions | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **What skills and knowledge you need to demonstrate** | | | | * Developing test procedures * Testing and documenting modified OO code * Problem solving techniques – (debugging and rectifying faults in code) * WHS, risk and workplace procedures for coding * Workplace documentation – (documented code changes) * Identifying bugs in code | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Your assessor will provide these resources** | | | | Python app source code to be modified, IDLE, computer with Python installed and internet | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **You (the student) will need to provide these resources** | | | | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Before you start this task** | | | | Using a blue or black pen please complete the *Student Information* section on the Case study/Assignment Coversheet at the back of this assessment. Please write your full name (both first and last name), student identification number, date and sign the sheet.  Note: If questions are on Gordon online, your login is deemed as understanding and acceptance of the student rights and responsibilities and you do not need to complete the form. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **To submit this task** | | | | Your assessment must be submitted with the Case Study/Assignment Coversheet on the back page of this assessment. You must submit this task to your assessor via Gordon Online | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **AT3 Documentation of code, testing and debugging for AT1 and AT2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| For this assessment task you are required to:-  Submit documentation of the process of completing assessment tasks AT1 and AT2. This will include fully commented python source code and one paragraph addressing each point below for each task AT1 and AT2.  **AT1 Personal interests data search app documentation**   1. Provide a summary of the job specification – K9, K10 2. What workplace procedures (SOP) did you follow when preparing for and undertaking the coding – 1.2, K7, K10 3. Describe the essential parts of the computer coding you modified – 4. How did you plan your time to complete the scope of the work – 1.4 5. What bugs did you identify as you modified the code (unplanned events) and how did you debug the code – K3,P7, 2.5, 3.2 6. How did you test the modified code to ensure it met the job specification – P5, P11, 3.1, 7. Upload to Gordon online your fully commented python source code , with your own comments describing each modification you made – K9, P11, 3.3   **AT2 Email lookup app documentation**   1. Provide a summary of the job specification – K9, K10 2. What workplace procedures (SOP) did you follow when preparing for and undertaking the coding – 1.2 K7, K10 3. Describe the essential parts of the computer coding you modified – 4. How did you plan your time to complete the scope of the work – 1.4 5. What bugs did you identify as you modified the code (unplanned events ) and how did you debug the code – K3,P7, 2.5, 3.2 6. How did you test the modified code to ensure it met the job specification – P5, P11, 3.1, 7. Upload to Gordon online your fully commented python source code , with your own comments describing each modification you made – K9, P11, 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Case Study/ Assignment Coversheet**  **Student Information** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student’s Name** | |  | | | | | | | **Student ID No.** | | | | |  | |  | | | |  | |  |  | | | |  |  | |  |
| **Student Rights** | | If you have any questions about the assessment outcome you should firstly speak to your trainer. If this conversation does not resolve your concern, you can appeal the decision within ten working days of the date below by sending an email to **qualityassurance@gordontafe.edu.au** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student Declaration** | | I certify that the work completed and submitted for this assessment task is my own work and that where other people’s work or contribution is part of this assessment, it has been clearly identified in the assessment and that person’s role or source of the information has been acknowledged. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student’s Signature** | |  | | | | | | | **Date** | | | | |  | | | | | | | | | | | | | | | | |
| **Case Study/Assignment checklist (Assessor Use Only)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Performance and Knowledge to be addressed in this task** | | | | | | | | | | | | | | | | | | | **Satisfactory** | | | | | | | | | | | | |
| **Yes** | | | | | | | **No** | | | | | |
| 1. | Developing test procedures | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 2. | Testing and documenting modified OO code | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 3. | Problem solving techniques – (debugging and rectifying faults in code) | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 4. | WHS, risk and workplace procedures for coding | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 5. | Workplace documentation – (documented code changes) | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 6. | Identifying bugs in code | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| **Assessment Outcome (Assessor use only)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Attempt Number** | | | First submission | | | | Second submission | | | | | | Late submission | | | | | | | | | | | | | | | | | | |
| **Reasonable adjustment applied** | | | Not required   Yes (briefly describe) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Outcome** | | | Satisfactory | | | | Unsatisfactory | | | | | | | | | | | | | | | | | | | | | | | | |
| **Feedback** | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Assessor’s Name** | | | S.Gale | | | **Signature** | | | |  | | | | | | | **Date** | | | | | | |  | | | | | | | |