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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** | | | **AT1 Personal interests data search app** | | | | | | | | | | | | | | | | | | | | | |
| **Type of task** | | | Observation | | | | **Task Number** | | | | | | | 1 | | | of | | | 4 | | | | |
| **Where assessment will take place** | | | The Gordon, in class | **Due date** | | | | | | 26/06/2020 | | | | | | | | | | | | | | |
| **Time you will be given to complete this assessment** | | | 10 hours | **Number of times you must complete this task** | | | | | | | | 1 | | | | | | | | | | | | | |
| **What you are required  to prepare, do or make** | | | For this Assessment task you will be provided with a job specification that requires you to evaluate and modify a Python applet code to meet the scope of requirements  The modifications to the applet code will include functions, syntax and the use of Python language features.  The modified code you produce will need to compile and run and meet job specification requirements  Download from GordonOnline to your computer the AT1PythonCode.py and rename it to AT1YourName.py.  Note : **AT3 Documentation of code, testing and debugging for AT1 and AT2 requires you to:**   1. document the changes you make in the code 2. document testing, 3. List bugs found and debugging steps needed..   .  **Job specification – Personal interests data search app**  The provided python source file needs to be modified to meet the job specification requirements below:   1. Modify the window title to display your name and student ID, 2. Modify the code to use .gif image that you provide, 3. Modify the code of the exit button so the exit button function closes the program 4. Modify the exception code to output your own explanation if the dictionary doesn’t contain a key match for the user input 5. Add 3 additional key : value pairs to the dictionary that relate to your personal interest areas 6. Document all code changes, the test procedures you used and at least 2 bugs you rectified in the modification and testing process (this will need to be submitted for Assessment task 3 AT3.) | | | | | | | | | | | | | | | | | | | | |
| **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** | | | * applying computer function features to object oriented programming * applying relevant work health and safety requirements * applying syntax to evaluating and modifying program/s * dealing with unplanned events * preparing to and evaluating and modifying programs in object oriented code * rectifying problem and bugs in code * selecting relevant development kit and software * testing and documenting modified programs in object oriented code * Using key features of object oriented programming to evaluate and modify program | | | | | | | | | | | | | | | | | | | | |
| **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 Record of Observation Sheet. Please write your full name (both first and last name), student identification number, date and sign the sheet. | | | | | | | | | | | | | | | | | | | | |
| **After you complete the task** | | | You will be given feedback from your Assessor and be advised of your result. When all assessment tasks for the unit have been completed you will be given a copy of the Unit Outcome Summary for your records | | | | | | | | | | | | | | | | | | | | |
| **RECORD OF OBSERVATION**  **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’s Signature** | |  | | | **Date** | | | |  | | | | | | | | | | | | | |
| **Observation Task Checklist** | | | | | | | | | | | | | | | | | | | | | |
| **Steps of the task to be performed** | | | | | **Satisfactory** | | | **Feedback for student** | | | | | | | | | | | | | | |
| **Yes** | **No** | |
| 1. | Classroom computer use SOP (WHS procedures and risk control measures) are identified, obtained, applied and followed – 1.1,1.2,2.1, PE2 | | | |  |  | |  | | | | | | | | | | | | | | |
| 2. | Uses correct IDE / sdk and documents code modifications – 1.5,1.6, PE8, PE10, KE4 | | | |  |  | |  | | | | | | | | | | | | | | |
| 3. | Code functions are applied and documented to job spec – 2.2, PE1 | | | |  |  | |  | | | | | | | | | | | | | | |
| 4. | Code syntax is applied, modified and documented to job spec – 2.3, PE3, PE6 | | | |  |  | |  | | | | | | | | | | | | | | |
| 5. | OO language features are applied, modified and documented to job spec – 2.4, PE12 | | | |  |  | |  | | | | | | | | | | | | | | |
| 6. | Test procedures are applied and documented to ensure modified code is functional to job spec – 3.1,PE5 | | | |  |  | |  | | | | | | | | | | | | | | |
| 7. | Code bugs are rectified and documented – 3.2, PE4, PE7, PE9, PE11 | | | |  |  | |  | | | | | | | | | | | | | | |
| 8. | Modified coded compiles and runs and is documented to industry standard – 2.6, PE11, KE5 | | | |  |  | |  | | | | | | | | | | | | | | |
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| **Assessment Outcome (Assessor use only)** | | | | | | | |
| **Attempt Number** | ➀ ➁ ➂ Attempt | | Re-observation | | Late observation | | | |
| **Reasonable adjustment applied** | Not required   Yes (briefly describe) | | | | | | |
| **Outcome** | Satisfactory | | Unsatisfactory | | | | |
| **Overall Feedback** |  | | | | | | |
| **Assessor’s Name** | S.Gale | **Signature** | |  | | **Date** |  | |