**Assessment APEX605**

The assignment assesses the following Assessed Learning Outcomes for the module, viz. to

1. write effective SQL statements for defining, manipulating and controlling data.
2. design and implement a multi-user database application

The mark for this assignment contributes 50% to the overall mark for the module.

## Marks allocation and assessment criteria

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| **Deliverable** | **Maximum**  **Marks** |
| **Database diagram and additional assumptions**  To achieve full marks for this section, you must submit a legible SQL Developer database diagram showing all of your tables and their relationships.  Failure to do so will result in a mark of zero for this section. | **5/5** |
| **Database objects**  To achieve a mark of 40% or above in this section, you must show how you have implemented all of your tables with appropriate table and column names, data types and entity and referential integrity.  To achieve a mark of 60% or above in this section, you must also show how you have implemented a significant amount of data integrity using a variety of methods.  To achieve a mark of 80% or above in this section, you must also show how you have implemented complete data integrity using a variety of methods.  Marks will be reduced for database objects (tables, views, sequences, triggers, procedures and functions) being omitted, poor presentation of code, constraints without explicitly assigned names and deviation from the recommended naming convention. | **25/30** |
| **Critical appraisal**  To achieve a mark of 40% or above in this section, you must provide a superficial account of the problems areas and worthy features.  To achieve a mark of 60% or above in this section, you must provide a substantial account of the problems areas and worthy features, together with suggestions for improvement.  To achieve a mark of 80% or above in this section, you must provide a complete account of the problems areas and worthy features, together with suggestions for improvement and an indication as to how these may be realised. | **12/15** |
| **Quality of desktop and mobile web applications including solution defence**  To achieve a mark of 40% or above in this section, you must be able to demonstrate and document that your applications are able to maintain and report on the history of applications.  To achieve a mark of 60% or above in this section, you must also be able to demonstrate and document student, company, site and vacancy maintenance using appropriate interface features and validation and the provision of meaningful management reports and of a management dashboard as specified above.  To achieve a mark of 80% or above in this section, you must also be able to demonstrate and document the use of user roles in your application.  Marks will be reduced for the use of insufficient and inappropriate test data.  Marks will be increased where innovative features have been incorporated. | **45/50** |
| **TOTAL** | **87/100** |