Grades/Feedback-Assignment 3: Design and Draft Implementation

Course: Software Engineering & Testing COMPH2027: 2024-25

Documentation Intro/Specs:	**Very Good** 1 point	**Insufficient** 0 points	**Criterion Score**
Documentation: Methodology Section	**Very Good understanding** of Object Orientated Methodology demonstrated in the documentation, and why it has been adopted for, and applies to the goals of this specific project.	**Insufficient understanding** of Object Orientated Methodology in documentation, or how it applies to this specific project's goals for adaptation.	/ 1
Documentation: Updated Use Case Specs, Requirements and Justifications	**Very Good demonstration** of the need to modify Use Case specs from the Requirements phase of project to develop Conceptual/Logical Diagrams. Modified and usable Use Case spec included whereby process of diagram creation derived from that Use Case Spec is clear from documentation.	**Insufficient** Use Case spec modifications included. Process of diagram creation (*Conceptual/Logical/Physical*) derived from Use Case Spec is **either not included or not clear.**	/ 1

Documentation Diagrams	**Exemplary** 4 points	**Very Good** 3 points	**Good** 2 points	**Basic** 1 point	**Insufficient** 0 points	**Criterion Score**
Documentation: Conceptual, Logical OOD Class Diagrams	**Excellent** ***Conceptual*** and ***Logical*** Class Diagrams included with usable sequence of attributes, methods and behaviours. Conceptual/Logical **Class Diagrams can easily be used to develop** Physical Model with Full set of clear Inheritances, Aggregations and Compositions. Use Case Specifications elements are derived clearly within Diagram.	**Very Good** ***Conceptual*** and ***Logical*** Class Diagrams. **Mostly usable** sequence of attributes, methods and behaviours. **Some missing elements** and Case diagramming annotations. **Class Diagram can mostly be adopted** to develop Physical Model with this set of Inheritances and Compositions. Most Use Case Specifications elements are derived clearly within Diagram.	**Good** ***Conceptual*** and ***Logical*** Class Diagram. **Missing some important elements of the** sequence of attributes, methods, behaviours and Case diagramming annotations required. **Class Diagram cannot fully be adopted to** Physical Model due to **some missing** ***INHERITANCES (GENERALISATIONS)*** or ***COMPOSITIONS***. **Some Use Case Specifications** elements are not derived clearly within Diagram.	**Basic** attempt to create a ***Conceptual*** and ***Logical*** Class Diagram with **minimal** encapsulated classes included. **Missing several elements of the** sequence of attributes, methods, behaviours **OR** Case Diagramming annotations that are required. **Class Diagram cannot fully be adopted to** Physical Model due to **Some MISSING Inheritances** **or**	**Insufficient** attempt to create a ***Conceptual*** and ***Logical*** Class Diagram with **minimal or no** encapsulated classes included. **Missing several elements of the** sequence of attributes, methods, behaviours **OR** Case Diagramming annotations that are required. **Class Diagram cannot properly be adopted to** Physical Model due to **Some MISSING Inheritances** **or**	/ 4

Documentation Diagrams	**Exemplary** 4 points	**Very Good** 3 points	**Good** 2 points	**Basic** 1 point	**Insufficient** 0 points	**Criterion Score**
				Compositions. Few **Use Case Specifications elements** are derived clearly within Diagram.	**Compositions.** **Few, or no Use Case Specifications elements** are derived clearly within Diagram.	
Documentation: Conceptual, Logical ERD	**Excellent** Conceptual and Logical ERD. Usable sequence and appropriate number of Tables, Fields and Relationships. **ERD can be adopted** to Physical Model.	**Very Good** Conceptual and Logical ERD. Mostly usable sequence of Tables, Fields and Relationships. Some missing annotations. **ERD can mostly be adopted** to Physical Model.	**Sufficient** Conceptual and Logical ERD. **Some missing or inadequate** elements of sequence of Tables, Fields and Relationships. **Conceptual, Logical ERD needs to be modified for adaptation** to Physical Model.	**Basic** Conceptual and Logical ERD. **Many missing or inadequate** elements of sequence of Tables, Fields and Relationships. **Conceptual, Logical ERD not fully suitable for adaption** to Physical Model.	**Insufficient** Conceptual and Logical ERD. **Many missing or inadequate** elements of sequence of Tables, Fields and Relationships. **Cannot be adapted** to Physical Model.	/ 4

Implementation/DB	**Exemplary** 3 points	**Good** 2 points	**Basic** 1 point	**Insufficient** 0 points	**Criterion Score**

Implementation/DB	**Exemplary** 3 points	**Good** 2 points	**Basic** 1 point	**Insufficient** 0 points	**Criterion Score**
Implementation: Physical Database Model Creation	Very Good Implementation of Logical ERD	Good Implementation of Logical ERD Some missing tables, fields or relationships	Basic Implementation of Logical ERD Several missing tables, fields or relationships	Insufficient Implementation of Logical ERD Mostly missing tables, fields or relationships	/ 3

Implementation of OO Classes	**Exemplary** 2 points	**Good** 1 point	**Insufficient** 0 points	**Criterion Score**

Implementation of OO Classes	**Exemplary** 2 points	**Good** 1 point	**Insufficient** 0 points	**Criterion Score**
Implementation: Encapsulation	**Excellent** Class creation to demonstrate Encapsulation. Appropriate **attributes**. Appropriate **Constructor and Access Modifier** Methods Appropriate **functional specs** of object in form of methods.	**Very good** Class creation to demonstrate Encapsulation. Appropriate **attributes**. Appropriate **Constructor and Access Modifier** Methods lacking some **functional specs** of object in form of methods.	Insufficient **Class Creation** to demonstrate Encapsulation. Insufficient **attributes**. Insufficient **Constructor or Access Modifier** Methods **Insufficient functional specs** of object in form of methods.	/ 2

Implementation of OO Classes	**Exemplary** 2 points	**Good** 1 point	**Insufficient** 0 points	**Criterion Score**
Implementation: Generalisation, Inheritance	**Excellent Parent/Child** Class creation to demonstrate Inheritance. Appropriate **attributes in Child Class** Appropriate **Constructor**	**Good Parent/Child** Class creation to demonstrate Inheritance. Some missing or incorrect **attributes in Child Class** or **Constructor**	**Insufficient or missing Parent/Child** Class creation to demonstrate Inheritance. Missing or incorrect **attributes in Child Class** or **Constructor**	/ 2
Implementation: Aggregation, Compositions	Both **Full** and **Partial** Composition implemented.	**Only 1** Full or Partial Composition implemented.	**Neither Full or Partial** Composition implemented.	/ 2

Implementation, Front End/Team Cohesion	**Exemplary** 1 point	**Insufficient** 0 points	**Criterion Score**
Implementation: Updated Front End	**Most Core** requirements (**Over two thirds**) from initial Use Case Spec are implemented and functioning from User Interface	**Insufficient Core** requirements from initial Use Case Spec are implemented and functioning from User Interface	/ 1

Implementation, Front End/Team Cohesion	**Exemplary** 1 point	**Insufficient** 0 points	**Criterion Score**
Demo: Team Cohesion	Team members have **worked cohesively** with no role or deliverable misunderstandings throughout the execution of CA3.	Team members have **not worked cohesively,** some misunderstandings of roles or deliverables throughout the execution of CA3.	/ 1

Demo	**Very Good** 2 points	**Good** 1 point	**Insufficient** 0 points	**Criterion Score**
DEMO: Updated User Specs /Requirements Implemented and Demonstrated	**Updated** Use Case Specs **compiles and runs** during demo	**Some** Use Case Specs not compiling or running during demo	**Few Use Case Specs compiling or running during demo**	/ 2
DEMO: Quality of Website Interface	**High Quality Interface** at the level and usability of theme and product standard chosen.	**Average Quality** Interface. Not fully at the level and usability of theme and product standard chosen.	**Poor Quality Interface. Not at the level or usability of theme or product standard chosen.**	/ 2

Total	/ 25

Overall Score

Level 4: Exemplary	Level 3: Very Good	Level 3: Good	Sufficient	Insufficient
18 points minimum **Excellent Implementation. Well Done**, Keep up the Good work. Implementation is now set up for several feasible tests in the next phase of project.	15 points minimum **Well Done**, Keep up the Good work. Some minor adjustments to Implementation required to set up testing during the the next phase of project.	12 points minimum **Good implementation**. Several adjustments to Implementation required to set up testing during the the next phase of project.	10 points minimum **Basic implementation**. Many adjustments to Implementation required to set up testing during the the next phase of project.	0 points minimum **Weak implementation**. Implementation is insufficient and not in position to have tests conducted for next phase of project. Many modifications of implementation required to prepare for testing phase.