

Lab report

Weights We are using QUB's standard Mark Schemes And Classifications: www.qub.ac.uk/directorates/AcademicStudentAffairs/AcademicAffairs/ExaminationsandAssessment/MarkSchemesandClassifications/

100

Exceptional 1st	1st	2.1	2.2	3rd	Marginal Fail	Fail
Exceptional and exemplary work : •Has carefully followed the lab document and module knowledge from the lectures and has gone above that level •Showing thorough and systematic understanding of module content. •Clear grasp of issues involved, with evidence of innovative use and original use of learning resources. •Knowledge beyond module content. •Clear evidence of independence of thought and originality. •High critical judgement and confident grasp of complex issues.	Outstanding answer: •Has carefully followed the lab document and module knowledge from the lectures •Showing thorough and •Methodological rigour. •Originality. •Critical judgement. •Use of additional learning resources.	Very good, comprehensive answer showing: •Has met the requirements of the lab document and module knowledge from the lectures •Very good knowledge and understanding of module content. •Well-argued answer. •Some evidence of originality and critical judgement. •Sound methodology. •Critical judgement and some grasp of complex issues.	Good answer showing: •Good knowledge and understanding of the module content. •Reasonably well argued. •Largely descriptive or narrative in focus. •Methodological application is not consistent or thorough.	Adequate answer: •Lacking methodological application. •Adequately argued. •Basic understanding and knowledge. •Gaps or inaccuracies but not damaging.	Failing answer: •Little relevant material and/or inaccurate answer or incomplete. •Disorganised. •Largely irrelevant material and misunderstanding. •No evidence of methodology. •Minimal or no relevant material	Nil Submission; or, answer meeting none of the necessary requirements with: •No material of value to the question asked. •No recognition of the question.
(100% – 80%)	(79% – 70%)	(69% – 60%)	(59% – 50%)	(49% – 40%)	(39% – 35%)	(34% – 0%)

4 Introduction section

5 Test plan

30 Black-box test design of test-cases to be used for unit testing

5 Output of test suite execution

Based on the list of failed test cases (failures) in the previous section above, discussing the possible faults leading to those failures (use the chain of software dependability threats: errors, fault, failure, as learned in the lectures)

3 Discussion of Teamwork and division of work (should be detailed)

3 Discussion of Difficulties encountered, challenges overcome, and technical lessons learned (should be detailed)

5 Using the provided template Word file, writing quality, and general formatting of the report

JUnit test-suite test-code

Excellent 1st	1st	2.1	2.2	3rd	Marginal Fail	Fail
(100% – 80%)	(79% – 70%)	(69% – 60%)	(59% – 50%)	(49% – 40%)	(39% – 35%)	(34% – 0%)

Adherence to requirements
 •Were the test cases properly designed based on the JavaDoc requirements?
 •Were the expected outcomes based on requirements?
 •etc.

Completeness of the test-code
 -Are there any obvious requirements which have not been tested?
 -Is the unit test-code clearly match the test-case design, reported in your lab report?

Readability and understandability of test-code (Are the JUnit test methods easy to follow, through commenting or style, etc.?)

Using GitHub properly
 -As per the instructions provided by the instructor
 -Both students should have committed to the project files (make sure to choose meaningful account GitHub IDs, including your name, etc, and not cyphered account IDs such as "xyz_", "ghost2020", etc.)
 -We should see regular commits to the GitHub repo, during the two weeks of lab work