Assessment cover

Module No:	COMP6030	Module title:	Software Engineering
Assessment title:	Software Engineering of a Modern Computer Application		
Due date and time**:**	23:00pm, 6th Dec. 2024		

Estimated total time to be spent on assignment:	84 hours per student

LEARNING OUTCOMES

On successful completion of this assignment, students will be able to achieve the module's following learning outcomes (LOs):
1. Demonstrate an understanding of the software lifecycle and be able to critically analyse a problem to decide on a relevant process model.
2. Demonstrate an understanding of the role of risk in a project and be able to identify and manage both risk and the impact of change on a project.
3. Demonstrate an understanding of the role of requirements analysis and elicitation and the relationship between requirements and design and use this knowledge to be able to create functional and nonfunctional requirements for a project.
4. Be able to critically evaluate and utilise design paradigms of object-oriented analysis and design, component-based design, and service-oriented design.

5. Describe and employ software techniques, in the implementation of designs to achieve desired software quality including reliability, efficiency and robustness.
6. Understand and be able to apply a range of testing methods and techniques.
7. Use refactoring in the process of modifying a software component.
8. Understand how software reliability contributes to system reliability and be able to apply multiple methods to develop reliability estimates for a software system.

Engineering Council AHEP4 LOs assessed (from S2 2022-23)	
C3	Select and apply appropriate computational and analytical techniques to model complex problems, recognising the limitations of the techniques employed
C5	Design solutions for complex problems that meet a combination of societal, user, business and customer needs as appropriate. This will involve consideration of applicable health & safety, diversity, inclusion, cultural, societal, environmental and commercial matters, codes of practice and industry standards
C6	Apply an integrated or systems approach to the solution of complex problems
C14	Discuss the role of quality management systems and continuous improvement in the context of complex problems
C16	Function effectively as an individual, and as a member or leader of a team

GROUP ID:	**15**

STUDENT NAMES

	Student Id:	**Subsystem:**

1.	**19145380**	**ClaClo-Admin subsystem**
2.	**19205073**	**ClaClo-Student subsystem**
3.	**19152436**	**ClaClo-Manager subsystem / Team leader**
4.	**19212742**	**ClaClo-Teacher subsystem**

Statement of Compliance *(please tick to sign)*

✔ I declare that the work submitted is my own and that the work I submit is fully in accordance with the University regulations regarding assessments (*www.brookes.ac.uk/uniregulations/current*)

RUBRIC OR EQUIVALENT:

Marking grid and marking form are available on Moodle website.

FORMATIVE FEEDBACK OPPORTUNITIES

(a) Discuss your work with your practical class tutor during practical classes;

(b) Discuss your work with lecturer and/or practical class tutor in drop-in hours.

SUMMATIVE FEEDBACK DELIVERABLES

Deliverable content and standard description and criteria
Please see attached file of *COMP6030 Coursework Marking and Feedback* for feedbacks on your coursework, which include:
(a) Breakdown of marks on each assessment criterion
(b) Comments on each aspect of the assessment against assessment criteria
(c) Annotations on your submitted work