CMP9056M MComp Research Project Assessment Item 2

Learning Outcome	Criterion	Pass	Merit	Distinction
LO2 – apply practical and analytical skills in the design, specification and/or implementation of an artefact that represents an output from at least two stages of the software development life cycle and that reflects current research within the field.	Using an appropriate, identified methodology, design, develop and implement a project solution that achieves the aim of the project. (20%)	The methodology used in the project is justified as best practice, with reference to appropriate academic literature. Project results are presented in a clear, concise manner. Students have supported their choice of methodology, and evaluated some alternatives through reference to the literature to reach conclusions.	The methodology used in the project is comprehensively justified as best practice, with reference to appropriate academic literature. Project results are presented and interpreted in a clear, concise manner. Students have supported their choice of methodology and evaluated multiple alternatives through reference to the literature to reach well-formed conclusions.	The methodology used in the project is comprehensively justified as best practice, with reference to an in-depth review of appropriate academic literature. Project results are presented in a manner expected of academic literature. Students have fully supported their choice of methodology and comprehensively evaluated alternatives through reference to the literature to make fully reasoned conclusions.
LO3 – demonstrate self-direction and autonomous working in developing a solution to the project.	The Scope, Aim and Objectives of the intended project are evidenced and derived via a review and critical assessment of previous work in the domain of the intended project. (20%)	A broadly descriptive review of appropriate academic literature is presented. Some critical assessment is made of the context of the work that has been reviewed. Students have supported their claims and evaluated some alternatives, through reference to the literature, to reach conclusions. The aim and objectives presented relate clearly to the literature review. The scope of the project may not be particularly challenging.	An in-depth review of the relevant literature in the domain of interest. A considerable degree of critical assessment has been shown. Students have supported their claims and evaluated multiple alternatives through reference to the literature to reach well-formed conclusions. The aim and objectives presented relate clearly to the literature review. The scope of the project is challenging, but realistic.	A comprehensive and insightful review of the relevant literature in the domain of interest. An impressive degree of critical analysis and assessment has been shown, establishing clear links to the aim and objectives devised for the project. Students have fully supported their claims and comprehensively evaluated alternatives through reference to the literature to make fully reasoned conclusions. The scope of the project is ambitious, but fully worthy of a mark at this level.
LO4 – prepare a formal technical report that describes, justifies, evaluates and contextualizes work undertaken in a significant M Level project. A demonstration of the artefact or solution produced as part of the project is required as part of all the learning outcomes of this module and serves as a viva to the written report. **Without this demonstration, the student cannot pass the module.**	C1: Document the processes required in the design, development and implementation of the project solution and present them in an appropriate academic manner. Evaluate the project solution produced ***and*** demonstrate the artefact or solution that is described in the project report. (50%)	A project solution which may only partially fulfil the project aim. However, the reasons for this are clearly identified and fully justified. The evaluation of this solution may be somewhat brief. Students have supported their solution and evaluated some alternatives, through reference to the literature, to reach conclusions. A correctly structured report which may, however, struggle to adequately explain or fully justify the processes followed during the course of the project. A demonstration of a solution which	A project solution which clearly fulfils the aim of the project, but may lack some finesse in the way in which this is done. A comprehensive evaluation of this solution has been given. Students have supported their solution and evaluated multiple alternatives through reference to the literature to reach well-formed conclusions. A correctly structured report presented in an appropriate academic manner. Good detail, justification and explanation are provided at each stage of the design, development and implementation of the project solution.	A novel or particularly elegant solution to an ambitious aim set out in a demanding project. A comprehensive and considered evaluation of this solution has been given. Students have fully supported their solution and comprehensively evaluated alternatives through reference to the literature to make fully reasoned conclusions. A very well written and correctly structured report presented in an appropriate academic manner. Full detail, justification and explanation are provided at each stage of the design, development and implementation of the project solution.

		may only partially fulfil the project aim. However, the reasons for this are clearly explained and fully justified. The solution demonstrated is as described in the project report.	A demonstration of a solution which clearly fulfils the aim of the project, but may lack some finesse in the way in which this is done. The solution demonstrated is as described in the project report.	A demonstration of a novel or particularly elegant solution to an ambitious aim set out in a demanding project. The solution demonstrated is as described in the project report.
LO4 – prepare a formal technical report that describes, justifies, evaluates and contextualizes work undertaken in a significant M Level project.	C2: Critically reflect on the processes followed and the decisions made in the course of this project. Reflect on the lessons identified from any problems encountered. (10%)	A critical reflection which may focus on mistakes made or identified skill gaps. The reflection may struggle to identify clear lessons from this.	A detailed critical reflection of all decisions made and processes followed. Lessons have been identified and discussed in an academically reflective manner.	A fully detailed critical reflection of all the stages of the project has been presented. This is presented in an academically reflective manner and deals methodically with specific problems that were encountered, identifying lessons learned from each of these.

Weightings are as shown