

Software Engineering with Objects and Components  
 Group Project: Deliverable 1  
*Marking Scheme*

**Part 1 - Team Information**

<b>Tutorial Group</b>		<b>Tutor's Name</b>	
<b>Tutorial Group's Name</b>		<b>Team: O, P or D</b>	
<b>Team Members</b>			

**Part 2 - Individual Marking Scheme**

Individual Marking Scheme					
	Estimated Contribution				
	[tick one box only]				
Team Member	U	S	G	E	Marks

**U - Unsatisfactory:** Some attempt but, contribution very weak due to poor skills, unsatisfactory attendance or other factors. **Note that an unsatisfactory evaluation will result in reduced marks.**

**S - Satisfactory:** Met all team requirements and contributed ordinary.

**G - Good:** Above average effort and contribution.

**E - Excellent:** A sustained and outstanding contribution to team effort.

### Part 3 - Deliverable Marking Scheme

Deliverable Marking Scheme		
Deliverable Part	Questions	Marks
<b>Requirements</b>        <b>Marks Limit: [20/100]</b>	<b>Q1.</b> Did you organise/collect the system requirements by using a Requirements Specification template (e.g., Volere)? Assess the quality of your Software Requirements Specification (SRS) document.	[ / 5]
	<b>Q2.</b> Did you distinguish different types of requirements (e.g., functional or non-functional)? Assess how your SRS identifies different types of requirements.	[ / 5]
	<b>Q3.</b> Do you believe you got most of the system requirements (requirements completeness)? Assess the extent to which you have elicited and gathered requirements from the main sources.	[ / 5]
	<b>Q4.</b> Have you identified/resolved conflicting requirements (requirements correctness)? Assess the extent to which you have resolved conflicting requirements among different types (e.g., functional and non-functional) or across teams.	[ / 5]

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<b>Deliverable Part</b>	<b>Questions</b>	<b>Marks</b>
<b>Use Cases</b>	<b>Q5.</b> Did you graphically represent the functional requirements by Use Cases? Assess to which extent your use case diagram captures main system functionalities and actors.	[ / 10]
<b>Marks Limit: [30/100]</b>	<b>Q6.</b> Did you refine the use cases by generalization, include or extend relationships? Assess to which extent you have refined and structured use cases.	
	<b>Q7.</b> Did you use a template for describing use cases? Assess to which extent you have clarified and described use case information (completeness and correctness).	[ / 10]

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<b>Deliverable Part</b>	<b>Questions</b>	<b>Marks</b>
<b>Class Diagrams</b>	<b>Q8.</b> Does your class diagram identify the main classes of the system? Assess to which extent your class diagram realizes system use cases.	[ / 10]
	<b>Q9.</b> Did you specify Attributes and Operations for each class? Assess the completeness of class specification.	[ / 10]
	<b>Q10.</b> Did you identify relationships (i.e., Dependency, Association, Aggregation, Composition and Inheritance or Generalization) between classes? Assess the object orientation quality of your class diagram.	[ / 10]
<b>Marks Limit: [30/100]</b>		
<b>CRC Cards</b>	<b>Q11.</b> Did you construct CRC cards for your system design? Assess the completeness and correctness of CRC cards.	[ / 10]
	<b>Q12.</b> Did you verify your Class Diagrams? Did you play any use case with the CRC Cards in order to verify your class diagram? Assess the quality and the coverage of your requirements and design verification by CRC cards.	[ / 10]
<b>Marks Limit: [20/100]</b>		
<b>Deliverable Mark</b>		[ /100]

## Deliverable 1 Marking Scheme - Instructions

This form is to be used by your team to assess your deliverable 1 and to distribute the mark among your team's individual members. *Please complete and return the form together with your deliverable 1.* This form consists of three parts.

**Part 1 - Team Information.** This part records your team's details. Please fill in the table in the Part 1 with the relevant information.

**Part 2 - Individual Marking Scheme.** This part records your team's distribution of the mark among individual team members. The final mark for an individual is the **Deliverable Mark** (see Part 3). **The marks have to be justified and accompanied by supporting cases.**

**Part 3 - Deliverable Marking Scheme.** This part provides you a marking scheme for your deliverable 1. Your deliverable 1 should consist of four different parts: *Requirements, Use Cases, Class Diagrams* and *CRC Cards*. The Deliverable Marking Scheme in Part 3 shows the maximum mark allocated to each part. You have to assess each part of your deliverable 1. The table provides relevant questions that structure your assessment process. You should assign (part of) the allocated marks for each question. The marks depend on the quality of your work. **Note that you have to justify any allocated marks by answering each corresponding question and providing an assessment supporting your mark allocation.** *You have to justify your mark assignment by answering the questions and proving an assessment.* The **Deliverable Mark** is the sum of the marks for each part.