Assignment 1 Marking Scheme (20%)

Diagrams / Report Use Case Diagram		
	• Actors (Min 2) • Use Cases (Min 6) • <<includes>> (Min 2) • <<extends>> (Min 2)	= 10
	• Use Case Specifications (Min 6)	= 30
• Sequence diagram	○ System Sequence Diagram (2 x 10%) ○ Sequence Diagrams (3 x 5%)	= 35
Business Process Model	• Activity diagram	= 10
Report		= 1
Peer Review	(check for online feedback nearer to due date) Participate in meeting, supportive, assist other members, meet due date to combine report	= 2
Individual contribution	List the name of the member and matric number clearly in the report the specific task that had been done. Example: Use case 1: Name of the use case Date Created: Creator: Student ABC (xxxxx) Use Case Specification Min 1 use case + use case specification Min 1 sequence diagram Min 1 business process	= 2
	TOTAL	**= 100**

Marking Scheme (Assignment)

CATEGORY	EXCELLENT (10 Marks)	GOOD (8 Marks)	AVERAGE (5 Marks)	POOR (2 Marks)
Use Case Diagram (10 pts)	The diagram has correct UML elements for actors, system boundary, system label, associations, use cases, includes, extends, and generalization. Minimum 6 Use Cases are named using meaningful verb phrases and represent what the case study needs. The use cases are correctly linked to the actors. Minimum two Actors with matching the actor descriptions and represent the users for the case study.	Most diagram elements use correct UML elements for actors, system boundary, associations, use cases, includes, extends, and generalization. Maximum 5 Use Cases are named using verb phrases and represent what the case study needs. The use cases are correctly linked to the actors. Maximum two Actors match the actor descriptions and represent the users of the case study.	Some diagram elements use correct UML elements for actors, system boundaries, associations, use cases, includes, extends, and generalization. Maximum 3 Use cases are correctly identified and reflective of the case study. Some of the use cases are correctly linked to the actors. Maximum one Actor matches the actor descriptions and represents the user of the case study.	Diagram has missing elements or do not use correct UML elements. Only one correct use case reflective of the case study or use cases that is not reflective of the case study. Use case that does not have correct association with the actor. Only one Actor that is reflective of the case study or do not match the actor descriptions or reflective of the case study.
System Sequence Diagram	The diagram has correct UML elements for actor/external system, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Minimum 4 correct external interactions between the actor or external system with the system under study and	Most of the elements have correct UML elements for actor/external system, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Maximum 4 correct external interactions between the actor or external system with the system under study and are related to a use case.	Some of the elements are correct UML elements or a few missing elements for actor/external system, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Maximum 3 correct external interactions between the actor or external system with the system under	A lot of UML elements are incorrect or missing elements for actor/external system, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Only 1 correct external interaction between the actor or external system with the system under

	are related to a use case. The messages are in correct order and related to the interactions that represents that particular use case.	The messages are in correct order and related to the interactions that represents that particular use case.	study and are related to a use case. The messages are in correct order and related to the interactions that represents that particular use case.	study and are related to a use case. The messages are not in correct order and related to the interactions that represents that particular use case.
Business Process Model	The diagram has correct UML elements for start, decisions, decision flows, separators, activities, activity flow, synchronisation, merge, swinlanes and end. Minimum 5 activities are named using meaningful phrases and represent the general business processes in the case study. The activities flow correctly with the respective actors in different swinlanes.	Most of the elements have correct UML elements for start, decisions, decision flows, separators, activities, activity flow, synchronisation, merge, swinlanes and end. Maximum 4 activities are named using meaningful phrases and represent the general business processes in the case study. The activities flow correctly with the respective actors different swinlanes.	Some of the elements have correct UML elements for start, decisions, decision flows, separators, activities, activity flow, synchronisation, merge, swinlanes and end. Maximum 2 activities are named using meaningful phrases and represent the general business processes in the case study. The activities flow correctly with the respective actors in different swinlanes.	The UML elements are wrong and some elements are missing such as start or end. Activities are not reflective of the business processes in the case study. No swimlane to show different activities by different actors.
CATEGORY	**EXCELLENT (5 Marks)**	**Average (3 Marks)**	**POOR (1 Mark)**	
Use Case Specification	Main flow, alternate and exceptional flows (if any), are clearly stated. The use case specification includes a general description in concise English. Pre and post conditions are clear and precise. Trigger	Main flow is there but not precise and clear, alternate and exceptional are not clearly stated or missing. Some parts missing such as the use case description includes a general description. Pre and post conditions are	The use case description is lacking key elements such as main flow, alternate and exception flows, the general description, pre-conditions, post-conditions, or trigger actions.	

	actions for the use case are clearly presented. Failed use case post conditions are listed. The use case provides value to an actor for abstract use case.	presented, as are trigger actions for the use case.		
Sequence Diagram	The diagram has correct UML elements for actors/classes, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Minimum 4 correct classes that represents a use case specification to show the internal interaction of the system under study. The messages are in correct order and related to the interactions that represents that particular use case	Most of the elements have correct UML elements for actors/classes, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Maximum 3 correct classes that represents a use case specification to show the internal interaction of the system under study. The messages are in correct order and related to the interactions that represents that particular use case	Some of the elements has correct UML elements or there is missing elements for actors/classes, lifelines, activation bars, messages, message arrows and if required, provide alternatives, options and loops. Maximum 1 correct classes that represents a use case specification to show the internal interaction of the system under study. The messages are not in correct order and related to the interactions that represents that particular use case	
CATEGORY	**EXCELLENT (1 Mark)**	**POOR (0 Mark)**		
Report	Grammar is correct. Wording is clear and concise. The diagrams are clear and readable. The overall presentation is professional and well-organized. The document is	The information appears to be disorganized, and the document is not easy to read and understand.		

	easy to read and understand.	The diagrams are unclear and not readable.		