## CSC340S Asst3 - Information System Design Detailed Marking Scheme

Marker:				
Team:				
Total Marks:/101				
Marks for this assignment depend on the factors listed below.				
A: Global Architecture (20%). Description and justification of the hardware, networking and software platform selected for the design; also, description and justification of the software architecture adopted.				
Value 20 marks:				
Specification of the computer network (existing or new)				
( ) insufficient ( ) partially sufficient ( ) adequate				
Specification of the hardware (existing or new)				
( ) insufficient ( ) partially sufficient ( ) adequate				
Specification of the software platform (operating system and other commercial software you will be using for your system)				
( ) insufficient ( ) partially sufficient ( ) adequate				
Specification of the software architecture, for example, client-server, MVC, layered, etc				
( ) insufficient ( ) partially sufficient ( ) adequate				
Identification of sub-systems and major components				
( ) insufficient ( ) partially sufficient ( ) adequate				
Justification that the overall design meets all requirements				
( ) insufficient ( ) partially sufficient ( ) adequate				

	B: Program Design (21%). A description of the detailed design of the application component of the system, given in terms of class, sequence, and state diagrams.
	Value: 21 marks:
	B1. Class Diagrams (7%)
	Value: 7 marks:
•	(Informal) Description of class diagrams.
	( ) insufficient ( ) partially sufficient ( ) adequate
•	A description derived from the data dictionary was included.
	( ) yes ( ) no
•	Quality of the diagrams
	( ) Little understanding of class diagrams.
	( ) Some understanding, but there are serious flaws or omissions.
	() Reasonable diagrams, but not enough to capture the design of the application and/or there is missing information from some diagrams, e.g., attributes, operations, multiplicities
	( ) Good and complete diagrams, cover pretty well the design
	( ) Excellent work
•	Justification that the design meets relevant requirements
	( ) insufficient ( ) partially sufficient ( ) adequate
	B2. Sequence Diagrams (7%)
	<b>Value:</b> 7 marks:
•	(Informal) Description of sequence diagrams.
	( ) insufficient ( ) partially sufficient ( ) adequate
•	A description derived from the data dictionary was included.
	( ) yes ( ) no
•	Quality of the diagrams
	( ) Little understanding of sequence diagrams.
	( ) Some understanding, but there are serious flaws or

	( ) Reasonable diagrams, but not enough to capture the design of the application and/or there is missing information from some diagrams, e.g., conditional branching or terminations
	( ) Good and complete diagrams, cover pretty well the design
	( ) Excellent work
•	Justification that the design meets relevant requirements
	( ) insufficient ( ) partially sufficient ( ) adequate
	B3. Statechart Diagrams (7%)
	<b>Value:</b> 7 marks:
•	(Informal) Description of statechart diagrams.
	( ) insufficient ( ) partially sufficient ( ) adequate
•	A description derived from the data dictionary was included.
	( ) yes ( ) no
	Quality of the diagrams
	( ) Little understanding of statechart diagrams.
	( ) Some understanding, but there are serious flaws or omissions.
	( ) Reasonable diagrams, but not enough to capture the design of the application and/or there is missing information from some diagrams, e.g., events, conditions and actions for various transitions
	( ) Good and complete diagrams, cover pretty well the design
	( ) Excellent work
•	Justification that the design meets relevant requirements
	( ) insufficient ( ) partially sufficient ( ) adequate
	C. Database Diagrams (20%)
	<b>Value:</b> 20 marks:
•	Class and ER diagrams describing all data to be stored in the database, along with identifiers and other constraints
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Workload data (expected number of instances for different classes, frequency of most important operations)

	( ) insufficient ( ) partially sufficient ( ) adequate
•	Restructuring of the class diagram
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Generation of the relational schema
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Normalization of the schema
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Justification that the design meets relevant requirements
	( ) insufficient ( ) partially sufficient ( ) adequate
	D. User Interface Design (20%). Covers the design of all user
	interfaces to be supported by your system.
	Value: 20% marks:
•	Clear description of the different user groups
	( ) insufficient ( ) partially sufficient ( ) adequate
•	State diagrams describing the dialogues supported by the
	interface
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Mockups of windows
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Website design (if relevant)
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Input/Output design
	( ) insufficient ( ) partially sufficient ( ) adequate
•	Justification that the interface design meets relevant
	requirements
	( ) insufficient ( ) partially sufficient ( ) adequate
	E. Supporting Documentation (10%). Supporting documentation for the selections you made for hardware, software and networking (eg, prices, configurations, vendors considered,), meetings with your customer (if any), meeting among team members, supporting evidence for some of your design decisions,
	Value: 10 marks:

	The style of your presentation, including ty, organization of appendices, etc.	
Value: 10	marks:	
<b>F1. Language:</b> Deduction error.	of marks for each spelling or grammatical	
Value: 5	marks:	
<b>F2. Style and clarity:</b> Deduction of marks for each unlabeled figure or point of confusion, or missing style requirement (e.g., table of contents, proper title page, page numbers, introduction, conclusion, etc.).		
Value: 5	marks:	