

Marking for the Term Project

(Submission Deadline – Week 20: Friday before 17:00)

Students Name & ID : _____

Please see the evaluation form below (page 1) and follow the instructions (page 2)

Part A – System Demonstration (total out of 20)					
1. System Features and Testing					
Functionality	Not available [0]	Fair [2.0]	Average [4.0]	Good [6.0]	Excellent [8.0]
Quality	Not available [0]	Fair [0.75]	Average [1.5]	Good [2.25]	Excellent [3.0]
Test Cases	Not available [0]	Fair [0.5]	Average [1.0]	Good [1.5]	Excellent [3.0]
2. Code Explanation					
Explanation and Clarity of Source Code	Not available [0]	Fair [1.0]	Average [2.0]	Good [3.0]	Excellent [4.0]
Exception Handling in Code	Not available [0]	Fair [0.5]	Average [1.0]	Good [1.5]	Excellent [2.0]
- Total Marks out of 20:					
Part B – System Design Report (total out of 7)					
System Components (design-time architecture)	Not implemented [0]	Fair [0.5]	Average [1.25]	Good [1.75]	Excellent [2.5]
System Interaction – Sequence Diagrams (run-time architecture)	Not implemented [0]	Fair [0.5]	Average [1.25]	Good [1.75]	Excellent [2.5]
Pattern and Justification	Conception, Implementation, Testing of Network Concept 3 (e.g., implementing a protocol, managing flow control)				
	Not available [0]	Fair [0.5]	Average [1.0]	Good [1.5]	Excellent [2.0]
- Total Marks out of 7:					
Part C – Version Control and Project Repository (total out of 3)					
GitHub commits	Not available [0]	Fair [0.5]	Average [0.75]	Good [1.0]	Excellent [1.5]
Documentation and Source Management	Not available [0]	Fair [0.5]	Average [0.75]	Good [1.0]	Excellent [1.5]
- Total Marks out of 3:					

Grand Total – out of 30 marks: []

Instructions: The project assessment is based on three main elements (deliverable):

System Demonstration (20 Marks: 67% of total) to be done via a video demo of your system. The video should be made available publicly or privately via a link and can be accessed over the network (e.g., upload to some streaming website with link available and working). Sound and audio quality must be ensured for clarity of demo.

The demo video **must not exceed 12 minutes in total (maximum duration 720 seconds)**. Video with overall duration longer than specified time will be subject to a penalty, each of the extra 10 seconds will result in a loss of 1 point.

- **System functionality** must be demonstrated clearly with system execution shown and voice over to explain the functionality.
[5 minutes]
- **System quality** must be demonstrated clearly with system execution shown and voice over to explain the functionality.
[2 minutes]
- **Testcase execution** to demonstrated with necessary inputs and outputs
[2 minutes]
- **Clarity and Explanation of code:** The source code must be clearly documented using coding conventions and documentation and critical parts of code to be explained by the students
[2 minutes]
- **Exception Handling:** Exception handling must be done as part of the source code and explained.
[1 minute]

System Design Report (7 Marks: 23% of total) to focus on three main aspects of system design including. The report must be precise and only focus on three main things

- **System components** to represent the static architecture of system in terms of its components and a table that shows the provider and requester interfaces of the system.
- **System interaction** must be demonstrated clearly using sequence diagram. One diagram that shows the overall system is sufficient.
- **Pattern and Justification** includes application of most relevant pattern and its rationale. Please note that pattern must be specific and not generic patterns/styles such as Client-Server, Layered Architecture or Repository architecture, which are a be-fault and implicitly existing patterns in such systems patterns.

Version Control and Project Repository (3 Marks: 10% of total) must manage all the source code commits and project documentation including

- **GitHub commits** on regular basis and not just at the end with proper management of source code
- **Project documentation** and source code management to be made available via a nice, clean and elaborative GitHub page for the project.