



School of Information Technology, Engineering, Mathematics and Physics

**CS230: Requirements Engineering
Semester 1, 2025
Mode: Face to Face**

**Assignment 2
Due Date: Monday 5 May 2025, Time: 11:55 pm (FJT)**

Weight: 10%

Assignment's Learning Outcomes

On successful completion of this assignment, students should be able to develop a Software Requirements Specification (SRS) document.

Teams for Assignment

You are required to work in the same team as for assignment 1.

Task for Assignment 2

Prepare a document showing the key components of the SRS document for your given project. ***You are required to use the same case study which was selected in assignment 1.***

Document Template

- There is a template attached on page 3 of this specification.
- All teams will need to use this template for this project.
- Reference all materials you use

Reference

- Reference all materials you use.
- APA referencing style to be used.

Final Document

You should place the following items in one PDF document:

- Cover page (Please show group number, and case study title clearly)
- Software Requirements Specification (SRS) document.
- Mark Allocation Sheet

Submission Guidelines:

1. Pdf document to be submitted before the due date.
2. The filename should read [group No].pdf for example, 3.pdf.
3. This assignment needs to be submitted as a Team. One submission from a team is to be done from the Team leader's account.
4. Incorrect submission will result in a high penalty or simply a mark of zero.

LATE SUBMISSION = ZERO (0)

Plagiarism

- No two teams should submit the same or similar assignment. All such cases will be dealt with severely.

Queries

- Maintain contact through Moodle discussion forum named Assignment Discussion Forum.
- Feel free to consult the Course Coordinator during the consultation hour or tutorial hours for queries.

Team Work

- You are required to work in the same team as for assignment 1.
- You are required to work as a team and have continuous discussions among the group.

SRS Document Requirements

1. Project Title
2. Project Team
3. Table of Contents
4. Introduction
 - 4.1. Purpose
 - 4.2. Scope of the project
 - 4.3. Definitions
 - 4.4. References
5. Overall Description
 - 5.1. Systems Environment – describe using a use case diagram
 - 5.2. Operating Environment
 - 5.3. Constraints
 - 5.4. Assumptions and Dependencies
 - 5.5. Stakeholders of the system
6. Requirements Specification
 - 6.1. Detailed functional requirements
 - 6.2. Detailed non-functional requirements
 - 6.3. Technical requirements
 - 6.4. Performance requirements
 - 6.5. Security requirements

Notes:

To assist you prepare the SRS document, access the following links:

- SRS template 1 - https://web.cs.dal.ca/~hawkey/3130/srs_template-ieee.doc
- SRS template 2 - www.cse.msu.edu/~chengb/RE-491/Papers/SRSEExample-webapp.doc

Assignment Case Studies

You are required to use the same case study which was selected in assignment 1.

Assignment 2 Mark Allocation Sheet

After having discussed it as a group, we recommend the following mark allocation to each group member based on contribution or lack of it throughout the assignment.

Group number _____ Project manager _____

Member Student ID	Percentage Contribution	Responsibilities

Signed

Member Name

ID

Signature

Assignment 2 Assessment Rubric

Criterion	Beyond expectation [76% - 100%]	Meet expectation [50% - 75%]	Below Satisfactory [0% - 49%]	Score
Organization	The report is well organized, appropriately sectioned, uses diagrams when appropriate, important issues clearly stated	Report reasonably well documented and organized.	The report is not well organized, however lacks coherence.	10
Presentation Style	Document Introduction, literature demonstrates sophisticated clarity, conciseness, and correctness. The report is well structured and contains appropriate references	Document Introduction, literature is accomplished in terms of clarity, conciseness, and contains only a few errors. The report is adequately structured and contains appropriate references.	Document Introduction, literature lacks clarity or conciseness and contains numerous errors. The report is poorly structured and references are inadequate or missing.	20
Problem Analysis:	Identifies information requirements and selects what is relevant from the open literature. Document all Overall Description all environments, all relevant constraints and requirements and formulates an accurate description of the problem	Identifies information requirements and is a selection of the relevant from the open literature is not fully evident. Document most Overall Description most environments, most relevant constraints and requirements and formulates a description of the problem.	Does not identify relevant information from open literature. Does not document Overall Description environments, identify relevant constraints and requirements and is not able to formulate a description of the problem.	25

Detail SRS on Proposed System	<p>Systematically and routinely adopts a structured and professionally recognized approach to Proposed System.</p> <p>Demonstrates creativity when proposing possible solutions.</p> <p>Evaluates the requirement specifications of proposed solutions in all relevant contexts which, as appropriate to the problem, include: functional requirements, non-functional requirements, Technical requirements, Performance requirements, Security requirements</p>	<p>A structured and professionally recognized approach to Proposed System lacks some systematic approach.</p> <p>Demonstrates some aspects of creativity when proposing possible solutions.</p> <p>Evaluates the requirement specifications of some possible solutions in some relevant contexts which, as appropriate to the problem.</p>	<p>The systematic approach Proposed System is not fully evident.</p> <p>Most aspects of creativity are lacking.</p> <p>The solution to the open-ended problem is not fully evident.</p> <p>Evaluation of requirement specifications is not evident.</p>	25
Team Work: (Operate effectively as a team member/leader)	<p>Manages own activities with honesty and integrity in an orderly manner to meet deadlines.</p> <p>Contributes constructively to team decision making, earns the trust and confidence of other team members.</p> <p>Provides leadership in a team environment by making informed decisions, keeping the team motivated, and accepting and delegating responsibility (where applicable).</p>	<p>Manages own activities with honesty and integrity in an orderly manner to meet deadlines most of the time.</p> <p>Contributes constructively to team decision making, earns the trust and confidence of other team members most of the time.</p> <p>Provides leadership in a team environment by making informed decisions, keeping the team motivated, and accepting and delegating responsibility most of the time applicable).</p>	<p>Unable to manage own activities with honesty and integrity in an orderly manner to meet deadlines most of the time.</p> <p>Unable to contribute constructively to team decision-making, earn the trust and confidence of other team members most of the time.</p> <p>Is not able to provide effective leadership and hence the team.</p>	20