

Software Engineering Project (Phase1) Requirements

Phase 1: Requirements and Design (Softcopy)

Each team should deliver the following requirements for the assigned project idea:

1. A software requirements specification (SRS) for project idea based on the below template.
2. Use case diagram for your project with at least 5 use cases and 2 actors.
3. Sequence diagram for one main use case.

Delivery Instructions:

- Delivery Deadline will be on **Friday 8-April-2022** at 11:59 PM.
- PDF document should be submitted that includes all of the required deliverables and a Cover page with the following details (Project Name, Assigned TA Name, Team ID, Team Members' names in Arabic, Seat numbers, Department)
- Team leader should submit the PDF document to the submission form in the below link:

<https://forms.gle/1gJYr3PKQ2kFuFc19>

SRS Document Template

(Team ID) - Project Title

Supervisor TA

Group Members and sections

Date

1. Introduction

This section should describe the need for the system. It should briefly describe the system's functions and explain how it will work with other systems. It should also describe how the system fits into the overall business or strategic objectives of the organization commissioning the software.

2. Context Diagram

This section presents the context diagram for the system that identifies the flows of information between the system and external entities.

3. User Requirements

This section lists the requirements described by the user using his language.

4. Functional Requirements

This section lists the functional requirements in ranked order. Functional requirements describe the possible effects of a software system, in other words, what the system must accomplish.

Each functional requirement should be specified in a format similar to the following: (this should be done for each functional requirement)

Functional requirement Name:

- Description/ Action
- Requirements/ Inputs
- Source (source of inputs that will be entered into the function)
- Pre-condition (what should be true so that function can start)
- Post-condition (what will happen after the function execution)
- Output (what will be displayed/generated after function execution)

A minimum number to be described is 5 different functional requirements

Note: [Add, Edit, and Delete are not considered as functional requirements]

5. Non-Functional Requirements

Describe how the system accomplishes its functional requirements. Other kinds of requirements which specify any other particular non-functional attributes required by the system such as interface requirements, performance requirements, or reliability requirements.

Examples: Reliability, response time, execution speed, storage requirements, constraints, I/O device capability, system representations, mandating a particular IDE, programming language, and development method.

A minimum number to be described is 5 different non-functional requirements