CS303: Software Engineering

Project Deliverable 2: Requirements Document

Due Date: 1659Hrs, November 20, 2020   **Group Name:** _____ **Section:**____

Group Members: _____, _____, _____,

_____, _____

The groups (as developing teams) have conducted brief meetings with the stakeholders to understand the project requirements. The groups should prepare a list of finalized/resolved requirements (functional/non-functional) of the software and document them.

The students should at the least identify the use cases and **draw a use case diagram after identifying the use cases.** They should also express those requirements using other applicable analysis tools (i.e. diagrams) discussed in class.

The students are required to express the project requirements and place their work in a **word document**. Let us call this '**Requirements Document**'.

The Requirements Document should be a combination of text and diagrams and should cover complete requirements (functional and non-functional) of the project. **The document should conform to the IEEE format for SRS,** available in slides as well as in Appendix A**.**

Important points of the criteria to be used for evaluation of this document are as follows:

- Is selection of the diagrams to express the requirements appropriate?
- Does the document cover all requirements?
- Are the requirements correctly categorized as functional or non-functional
- Does the document cover the requirements in detail?
- How good is the flow and presentation of the document (presentation in terms of content and writing)? Presentation does not mean the use of beautiful fonts.

Notes:

Work on this deliverable in groups.
Use the following Naming Convention for the submitted file:
SectionX_ProjectY_GroupName
Submitted file should contain roll numbers of all group members who contributed.

Appendix A

IEEE Standard for SRS Organized by Requirements

1. Introduction to the Document
   1.1 Purpose of the Product
   1.2 Scope of the Product
   1.3 Acronyms, Abbreviations, Definitions
   1.4 References
   1.5 Outline of the rest of the SRS
2. General Description of Product
   2.1 Context of Product
   2.2 Product Functions
   2.3 User Classes and Characteristics
   2.4 Constraints
   2.5 Assumptions and Dependencies
3. Specific Requirements
   3.1 External Interface Requirements
       3.1.1 User Interfaces
       3.1.2 Hardware Interfaces
       3.1.3 Software Interfaces
       3.1.4 Communications Interfaces
   3.2 Functional Requirements
       3.2.1 Requirement 1
       3.2.2 Requirement 2
       …
   3.3 Performance Requirements
   3.4 Design Constraints
   3.5 Other Quality Requirements
   3.6 Other Requirements
4. Appendices (Place analysis models here if required)