COMSATS University Islamabad (Lahore Campus)

Assignment 4 – December 10, 2023

Course Title:	Software Engineering Concepts	Course Code:	CSC291	Credit Hours:	3
Course Instructor/s:	Dr. Junaid Akram	Program Name:	BSC		
Time Allowed:		**Maximum Marks:**		**10**	
Important Instructions / Guidelines:					

CLO: <3, 4>; Bloom Taxonomy Level: <Analyzing, Applying>

1. Suppose that the system to develop is a medium sized (duration 1 year) system.
2. Prepare a SRS (Software Requirement Specification) document of your project as discussed in the class. Document should look professional.
3. Must follow the provided SRS template to compile your final document.
4. Provide/write the content of every heading mentioned in the table of contents as provided in this document. Do not skip any.

Key Notes:

- It would be a group assignment (same group members as of previous assignment (1, 2, 3))
- Same projects for every group as assigned in previous assignment (1, 2, 3)
- Every member in the group must have to participate in the assignment.
- Must mention your group members on the first page in both files (document & ppt)
- File name must be "group number"
- Group leader please upload assignment on the portal by deadline.

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1. INTRODUCTION ..... ERROR! BOOKMARK NOT DEFINED.

1.1 PURPOSE ..... **ERROR! BOOKMARK NOT DEFINED.**

1.2 SCOPE ..... **ERROR! BOOKMARK NOT DEFINED.**

1.5 OVERVIEW ..... **ERROR! BOOKMARK NOT DEFINED.**

2. GENERAL DESCRIPTION ..... ERROR! BOOKMARK NOT DEFINED.

2.1 PRODUCT PERSPECTIVE ..... **ERROR! BOOKMARK NOT DEFINED.**

2.2 PRODUCT FUNCTIONS ..... **ERROR! BOOKMARK NOT DEFINED.**

2.3 FEASIBILITY STUDY ..... **ERROR! BOOKMARK NOT DEFINED.**

2.4 SELECTED SDLC MODEL ..... **ERROR! BOOKMARK NOT DEFINED.**

2.5 SELECTED TEAM STRUCTURE AS PM ..... **ERROR! BOOKMARK NOT DEFINED.**

3. SPECIFIC REQUIREMENTS ..... ERROR! BOOKMARK NOT DEFINED.

3.1 EXTERNAL INTERFACE REQUIREMENTS ..... **ERROR! BOOKMARK NOT DEFINED.**

3.1.1 User Interfaces ..... ***Error! Bookmark not defined.***

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3.1.3 Software Interfaces ..... ***Error! Bookmark not defined.***

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3.2 FUNCTIONAL REQUIREMENTS ..... **ERROR! BOOKMARK NOT DEFINED.**

3.2.1 <Functional Requirement #1> ..... ***Error! Bookmark not defined.***

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3.3 NON-FUNCTIONAL REQUIREMENTS ..... **ERROR! BOOKMARK NOT DEFINED.**

3.3.1 <Non-Functional Requirement #1> ..... ***Error! Bookmark not defined.***

3.3.2 <Non-Functional Requirement #2> ..... ***Error! Bookmark not defined.***

4. PRODUCT DESIGN / UML DIAGRAMS ..... ERROR! BOOKMARK NOT DEFINED.

4.1 Use Case ..... ***Error! Bookmark not defined.***

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4.6DESIGN CONSTRAINTS ..... **ERROR! BOOKMARK NOT DEFINED.**

4.7 LOGICAL DATABASE REQUIREMENTS ..... **ERROR! BOOKMARK NOT DEFINED.**

4.8 ERD diagram ..... ***Error! Bookmark not defined.***

5. ANALYSIS MODELS ..... ERROR! BOOKMARK NOT DEFINED.

5.1 SEQUENCE DIAGRAMS ..... **ERROR! BOOKMARK NOT DEFINED.**

5.2 DATA FLOW DIAGRAMS (DFD) ..... **ERROR! BOOKMARK NOT DEFINED.**

5.3 STATE-TRANSITION DIAGRAMS (STD) ..... **ERROR! BOOKMARK NOT DEFINED.**

5.4 GANTT CHART ..... **ERROR! BOOKMARK NOT DEFINED.**

A. APPENDICES ..... ERROR! BOOKMARK NOT DEFINED.