BAHRIA UNIVERSITY (KARACHI CAMPUS)
Software Design & Architecture (SEN-221)
ASSIGNMENT # 4 – Spring 2023
Based on: CLO-5

Class: **BSE-4B**   Submission Deadline: **15th Jun 23**

Course Instructor: **ENGR. MAJID KALEEM**   Max Marks: **04**

1. In this task you are required to select the most relevant architectural model/style models to reflect implementation details from those requirements that you documented in SRS/user stories in your previous semester. You will submit your SRS/user stories as well along with this assignment.

2. You may complete this assignment in a group of maximum three members. Ideally those who were members in *Software Requirements Engineering*.

3. Viva/presentations regarding this assignment will be conducted individually. Each member must specify and present his/her role.

4. Produce *Use Cases* (diagrams) from the functional requirements (as mentioned in your SRS/user stories). In addition, use following use case template to describe your use cases.

5. Mention which type of *Software Architecture* (based on non-functional requirements) is suitable in the given scenario (as mentioned in your SRS/user stories). You are required to produce relevant diagram(s).

6. You are also required to specify the use of *Software Design Patterns* (with justifications) wherever applicable.

7. Justify why you would select a particular type of programing language to implement this.

Use Case ID:	1		
Use Case Name:			
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actors:	
Description:	
Trigger:	
Preconditions:	
Postconditions:	
Normal Flow: Sunny Day Scenario:	
Alternative Flows: Rainy Day Scenario:	
Exceptions:	
Includes:	
Priority:	
Frequency of Use:	
Business Rules:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Good Luck!