**THE SUPERIOR UNIVERSITY, LAHORE**

**BSDS/BSAI-3A, BSCS-5A**

**Spring-2023**

**Assignment 3**

**Subject:** Software Engineering **Submission Date:** 5th Apr, 2023

**Instructor:** Mr. Raja Jalees **Total Marks:** 10





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| Question | Sub-Question | CLO | Domain/BT Level | Total Marks |
| **1** | - |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **4** |  |  |  |  |

**Note: *Assignment*** *should be in hand written form except Question 4, i.e., UML diagrams must be in MS Visio, Visual Paradigm, Star UML or Draw.io.*

*Use of ChatGPT is not allowed, if found results in ZERO marks.*

**Question 1: Write** introduction and history of UML diagrams. How UML diagrams are helpful in designing a software project.

**Question 2: Differentiate** between behavioral and structural diagrams.

**Question 3: Differentiate** between following relationships with the help of atleast two examples:

* Include and extend
* Composition and aggregation

**Question 4: Search** atleast two case studies and draw:

1. Use Case
2. Activity
3. Class and
4. Sequence diagrams

Good Luck