**APPLYING UML DIAGRAMS**

**FOR DESIGNING GROCERY STORE (CLO-3)**

It is an individual assignment. You have to apply UML diagrams for designing grocery store management as mentioned in the given scenario. If your enrollment number is odd then you have to design Set A diagrams and if it is even then you have to design Set B diagrams. For example, if your enrollment number is 01939221-004 then you will be doing Set B.

|  |  |
| --- | --- |
| **Set A** | **Set B** |
| Class Diagram [3] | Use Case Diagram [3] |
| Sequence Diagram (Any two activities) [4] | Activity Diagram (Any two activities) [4] |

**SCENARIO:**

Assume you are contacting with a grocery store client who runs a grocery store chain in the city. This client wants to design a piece of software to handle the day-to-day operations of the business. You have asked for information about how the business is run and receive this description.

“We own several stores in the city and need to keep track of availability of stock items in each store. We have two types of customers; one is an online customer, who can book an order through this software. This order may take all the information regarding the online customer’s details and items need to be purchased. Once the order has been finalized by the customer then the payment can be made through cash on delivery and credit card methods. The other type of customer is a walk-in-customer which selects all the items in a store and then pay at the counter. These two customers can also become registered customers of this store by getting a membership card. Only registered customers can avail discount offers on special occasions or specific amount of shopping from the store.”

Please submit these answers on LMS and the deadline is:

1st June, 2023



BAHRIA UNIVERSITY (KARACHI CAMPUS)

INTRODUCTION TO SOFTWARE ENGINEERING (SEN 210) ASSIGNMENT # 3

COMPLEX ENGINEERING PROBLEM

Class: **BSE-2B/2C**

Course Instructor: **Mobeen Nazar**

Submission Deadline: **1st June, 2023**

Max Marks: **7**

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