PMAS Arid Agriculture University
University Institute of Information Technology
Visual Programming-(BSCS/BSSE)
CS-692

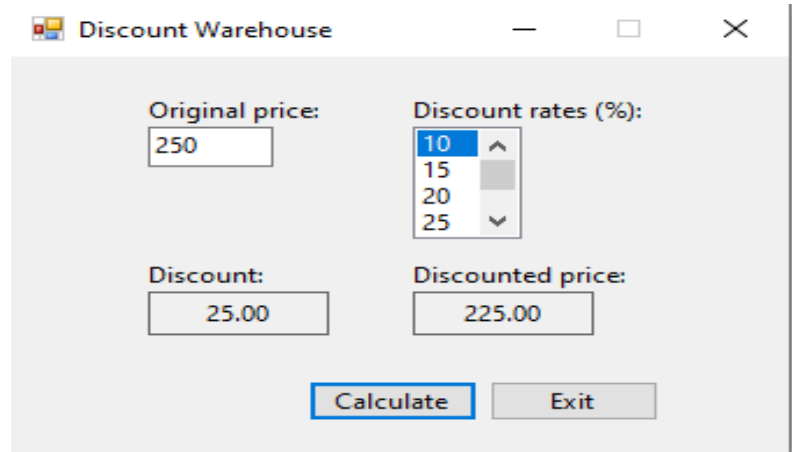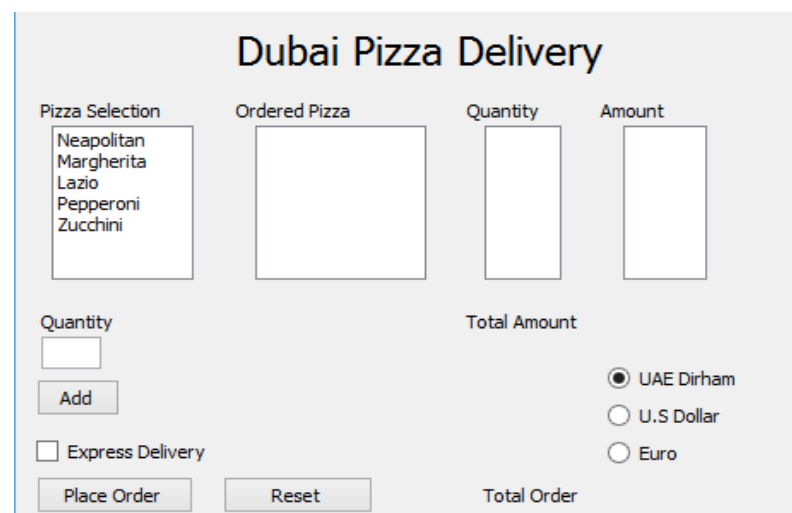**Mid Exam (Fall- 2023)**   **Max Marks: 12**   **Time Allowed: 1.00 Hr.**

Note : Attempt All Questions. Each question carries 4 Marks

Question No. 1: Consider the given Discount Warehouse form. Write down appropriate piece of code for *Calculate* button. That will display the discounted price by taking the appropriated discount rates in %age.

Question No. 2 Using appropriate form controls such as List box, Radio buttons, Labels and Buttons etc. to design a simple user interface for a pizza ordering application. Where the *Place Order* button place an order by taking all data and display a message for order conformation and *Reset* button to reset all for new order.

Question No. 3: Imagine you are tasked with developing a Windows Forms application that manages a bookstore's inventory. The application is intended for use by the bookstore staff to add new books to the inventory, update details on existing books, and track sales. The application should have a database backend, preferably using Microsoft SQL Server to store and retrieve data. Include the following features:

- **Database Connectivity:** Establish a connection to a SQL Server database. The database should have a table named Books with columns for *BookID, Title, Author, Genre, Price, QuantityInStock and Sold*.
- **Add New Books:** A form with text fields that correspond to the Books table columns, including Title, Author, Genre, Price and QuantityInStock. Include a button labeled "Add Book" that, when clicked, will insert the new book details into the database.
- **Update Book Details:** Functionality to update details about existing books. The staff can search for books by BookID or Title through a search interface and then update any of the details listed in the table, including quantity and price.

*********Best of Luck*********