VEGETABLE MARKET MANAGEMENT SYSTEM

(User manual)

Programming Fundamentals (DS1102)

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Main Menu

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5):
```

1. **Display Vegetables**
2. **Create Order**
3. **Delete Order**
4. **Admin**
5. **Exit**

---

1. Display Vegetables

- **Output**: Displays the list of available vegetables along with their price (per Kg) and stock.
- **Steps**:
    1. Select "1. Display Vegetables" in the main menu.
    2. The system will show a list of vegetables in the following format:
        - Vegetable Name
        - Price (per Kg)
        - Stock (in Kg)

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 1

Available Vegetables:
1. carrot - Price (per Kg): Rs.90.0    Stock: 73.0 Kg
2. onion - Price (per Kg): Rs.60.0    Stock: 63.4 Kg
3. pumkin - Price (per Kg): Rs.80.0    Stock: 82.2 Kg
```

---

2. Create Order

- **Output**: Allows users to create an order by selecting vegetables, quantity, and unit.
- **Steps**:
    1. Select "2. Create Order" in the main menu.
    2. The system will display the available vegetables.
    3. Enter the index number of the vegetable you want to order.
    4. Choose the unit (Kg or g) and specify the required quantity.
    5. Confirm your order and repeat for additional vegetables if needed.
    6. View the generated bill, including:
        - Vegetable Name
        - Quantity Ordered
        - Total Price
    7. Confirm the successful completion of the order.

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 2

Available Vegetable Names:
1. Carrot
2. Onion
3. Pumkin
Enter vegetable index no: 2
You choose onion
Choose your measure (Kg or g): kg
How much do you need? 3
Do you need to stop ordering? (yes or no): yes
Your order was successful!

 --bill--
1  Name: onion   Quantity: 3.0kg  Price: Rs.180.00
total bill amount is Rs.180.0
```

3. Delete Order

- **Output**: Removes an existing order.
- **Steps**:
    1. Select "3. Delete Order" in the main menu.
    2. The system will display all orders with details (Name, Quantity, Price).
    3. Enter the order number to delete.
    4. Confirm the deletion.
    5. Optionally delete additional orders or exit the option.

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 3
1  Name: onion   Quantity: 3.0kg  Price: Rs.180.00
Total price is Rs. 180.00
Enter the bill number you want to delete: 1
Delete successful.
Do you need to delete another order? (yes or no): no
```

4. Admin

Admin Menu Options:

1. **Display**
2. **Add Vegetable**
3. **Delete Vegetable**
4. **Update**
5. **Report**
6. **Exit**

- **Output**: Grants access to the admin menu for managing the system.
- **Steps**:
    1. Select "4. Admin" in the main menu.
    2. Enter the admin password to log in.

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 4
Enter password: 122333
login successful


--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :
```

4.1. Display

- **Output**: Displays the current list of vegetables, including prices and stock levels.
- **Steps**:
    1. Select "1. Display" in the admin menu.
    2. View all vegetable details in the format:
        - Vegetable Name
        - Price (per Kg)
        - Stock (in Kg)

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 4
Enter password: 122333
login successful


--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :1

Available Vegetables:
1. carrot - Price (per Kg): Rs.90.0    Stock: 73.0 Kg
2. onion - Price (per Kg): Rs.60.0    Stock: 60.4 Kg
3. pumkin - Price (per Kg): Rs.80.0    Stock: 82.2 Kg
```

4.2. Add Vegetable

- **Output**: Adds a new vegetable to the system with its price and stock.
- **Steps**:
    1. Select "2. Add Vegetable" in the admin menu.
    2. Enter the vegetable name.
        - If the vegetable already exists, the system will notify you.
    3. Enter the price per kilogram for the vegetable.
    4. Enter the stock available (in kilograms).
    5. The vegetable is added successfully and saved to the system.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :2
Enter vegetable name: tomato
Enter price per kilogram: 60
Enter stock in kilograms: 40
Successfully added!
Do you need to add another vegetable (yes or no)? no
```

4.3. Delete Vegetable

- **Output**: Removes a vegetable from the system.
- **Steps**:
    1. Select "3. Delete Vegetable" in the admin menu.
    2. View the list of available vegetables.
    3. Enter the index number of the vegetable to delete.
    4. Confirm the deletion.
    5. The vegetable is removed from the system.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :3

Available Vegetable Names:
1. Carrot
2. Onion
3. Pumkin
4. Tomato
Enter delete vegetable index no: 3
You choose pumkin
delete successfully!
Do you need to delete another order? (yes or no): no
```

4.4. Update

- **Output**: Updates the details of an existing vegetable (name, price, or stock).
- **Steps**:
  1. Select "4. Update" in the admin menu.
  2. View the list of available vegetables.
  3. Enter the index number of the vegetable you want to update.
  4. Select the detail to update:
     - Vegetable Name
     - Price
     - Stock
  5. Enter the new value.
  6. Confirm the update, and the data will be saved successfully.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :4

Available Vegetables:
1. carrot - Price (per Kg): Rs.90.0    Stock: 73.0 Kg
2. onion - Price (per Kg): Rs.60.0     Stock: 60.4 Kg
3. tomato - Price (per Kg): Rs.60.0    Stock: 40.0 Kg
enter index no what do you want update : 2
-- update --
 1.vegetable name
 2.vegetable price
 3.vegetable stock
 4.exit

what do you need update? (1-4):3
enter new stock (kg) : 80
successfully update!
```

4.5. Report

- **Output**: Generates comprehensive reports for stock and billing analysis.
- **Steps**:
    1. Select "5. Report" in the admin menu.
    2. Choose a report type:
        - **Stock Report**:
            - Displays a detailed list of all vegetables along with their current stock levels.
            - Highlights vegetables with low stock to assist in restocking decisions.
            - Includes columns for Vegetable Name, Current Stock (Kg), and Minimum Stock Threshold.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :5

--vegetable report--
1.stock report
2.bill report
3.exit
enter your choice (1-3) : 1
Stock Report:
1  Name: carrot -   stock: 73.0 Kg
2  Name: onion -    stock: 80.0 Kg
3  Name: tomato -   stock: 40.0 Kg
```

- **Bill Report**:
  - Provides a summary of all billing transactions.
  - Includes details such as Vegetable Name, Quantity Sold, Total Earnings per vegetable, and Grand Total Earnings.
  - Allows filtering by date range to analyze sales trends over time.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :5

--vegetable report--
1.stock report
2.bill report
3.exit
enter your choice (1-3) : 2
1  Name: carrot   Quantity: 2.0kg  Price: Rs.180.00
2  Name: carrot   Quantity: 5.0kg  Price: Rs.450.00
3  Name: onion    Quantity: 800.0g Price: Rs.48.00
4  Name: carrot   Quantity: 5.0kg  Price: Rs.450.00
5  Name: carrot   Quantity: 5.0kg  Price: Rs.450.00
6  Name: onion    Quantity: 800.0g Price: Rs.48.00
7  Name: pumkin   Quantity: 2.0kg  Price: Rs.160.00
8  Name: onion    Quantity: 3.0kg  Price: Rs.180.00
total price is Rs.1966.0
```

3. Select additional options to export the report to a file (e.g., CSV or PDF) for further analysis.
4. View or print the selected report as needed.

4.6. Exit

- **Output**: Exits the admin menu and returns to the main menu.
- **Steps**:
    1. Select "6. Exit" in the admin menu.
    2. Confirm the exit and return to the main menu.

```
--admin menu--
1.display
2.add vegetable
3.delete vegetable
4.update
5.report
6. exit

select your choice (1-6) :6

---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): |
```

5. Exit

- **Output**: Exits the application.
- **Steps**:
    1. Select "5. Exit" in the main menu.
    2. Confirm the application exits.

```
---Vegetable Market---
1. Display Vegetables
2. Create Order
3. Delete Order
4. Admin
5. Exit
Enter your choice (1-5): 5
Thank you.
```