Problem Statement

In this lab, we will implement a Laundry Management System. This application will be used by both the laundry owner and users like you and me. So, there'll be an owner portal and a user portal. There'll be different dress types e.g., shirt, t-shirt, pants, trousers, suit, etc. Users can only wash or iron their clothes or they can do both.

User Functionalities

- For placing an order the user will have to give the **userID**, the individual quantity of each clothing type, address, etc. as an input.
- After placing the order, the user will be given an **orderID**. Using the **orderID** user will be able to see the total amount to be paid while receiving the order. S/he will also be able to see the estimated **delivery date** - which will initially be blank. Also, the state of the placed order will initially be **'pending'**.

Owner Functionalities

- The owner can see the placed orders. Initially, an order will be in a **'pending'** state. If the owner wishes, s/he can change the order state to either **'processing'** or **'delivered'** state. While changing the order state to **'processing'**, the owner will have to give an **estimated delivery date** as input. Now, the user will be able to see the delivery status and date using **orderID**.
- After changing the order status to **'delivered'**, the amount of that particular order will be added to the owner's **total balance**. At any given time, the owner will be able to see his account balance. You can assume any amount as the **starting balance**.

Requirements

- Use necessary static fields, methods and inheritance.
- Use parameterised constructors for each class.
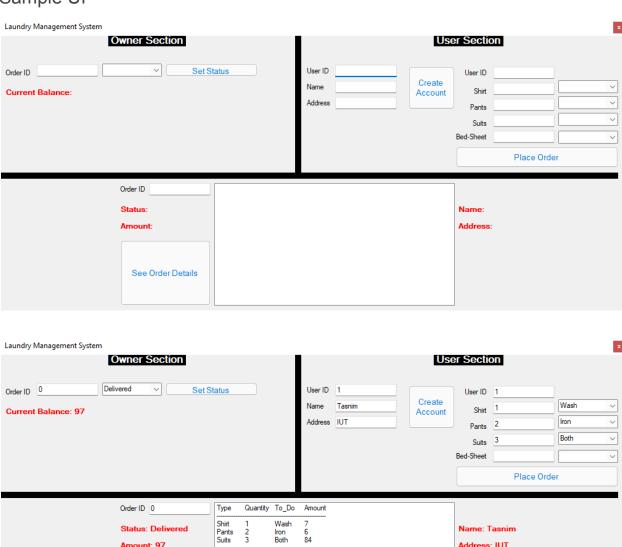- There should be a LMS (Laundry Management System) class.

Bonus Task

- Everything related to delivery date features.

Sample UI

Laundry Management System

Owner Section

Order ID [ ] [▼] Set Status

Current Balance:

User Section

User ID [ ]
Name [ ]
Address [ ]

Create Account

User ID [ ]
Shirt [ ] [▼]
Pants [ ] [▼]
Suits [ ] [▼]
Bed-Sheet [ ] [▼]

Place Order

Order ID [ ]

Status:

Amount:

See Order Details

Name:

Address:

Laundry Management System

Owner Section

Order ID [0] [Delivered ▼] Set Status

Current Balance: 97

User Section

User ID [1]
Name [Tasnim]
Address [IUT]

Create Account

User ID [1]
Shirt [1] [Wash ▼]
Pants [2] [Iron ▼]
Suits [3] [Both ▼]
Bed-Sheet [ ] [▼]

Place Order

Order ID [0]

Status: Delivered

Amount: 97

See Order Details

Type	Quantity	To_Do	Amount
Shirt	1	Wash	7
Pants	2	Iron	6
Suits	3	Both	84

Name: Tasnim

Address: IUT