

LOW LEVEL DESIGN

1. Class Design

The system is divided into multiple classes, each responsible for specific functionalities.

User Class: Handles user authentication, profile management, and user interactions with the platform.

Product Class: Manages product details, including price, category, and stock availability.

Order Class: Facilitates order placement, tracking, and cancellation.

Service Class: Manages repair and CCTV installation bookings.

2. Database Schema

The system will use a relational database (MySQL) to store and manage data efficiently.

- The Users table stores user information, including login credentials.
- The Products table maintains details of computers, laptops, and accessories available for purchase.
- The Orders table tracks customer purchases, with each order linked to a user.
- The Order Items table stores multiple products linked to an order.
- The Services table records repair and CCTV installation requests.

