

Team Task Distribution for SP Project:

1. Yahya (Leader) - Handling User and File Management

Files:

- USER.h
- fileHandling.h

Responsibilities:

- USER.h: Implementing the login and sign-up functionalities.
 - fileHandling.h: Handling the reading and writing of user data (to files) for persistence.
 - Ensure secure storage of user passwords and implement basic error handling.
 - Implement basic file I/O operations (opening, reading, writing, closing) to store user data persistently.
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2. Member 1 & 2 - Handling Admin Module

Files:

- Admin.h

Responsibilities:

- View all customer details, orders, and manage user interactions.
 - Implement CRUD operations for editing and deleting furniture items.
 - Implement the functionality to update the status of orders (delivered, waiting, pending).
 - Coordinate with Order.h and Furniture.h for data synchronization and updates.
 - Ensure proper input validation for all admin actions.
 - Provide filtering and sorting options for viewing customer orders.
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3. Member 3 & 4 - Handling Order Module (Customer & Admin Side)

Files:

- Order.h

Responsibilities:

- Customer Side: Implement functionality for placing orders, modifying orders, and deleting orders within the allowed 72-hour window.
 - Admin Side: Implement order status management (e.g., delivered, waiting, pending) and ensure the synchronization between customer actions and order states.
 - Implement total price calculations for orders.
 - Implement time-sensitive logic for restricting order modifications (within 72 hours).
 - Ensure order processing and validation are done accurately in line with inventory.
 - Work with the Furniture and Customer modules to ensure correct order handling.
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4. Member 5 - Handling Customer Module

Files:

- Customer.h

Responsibilities:

- Implement the customer interface: viewing available furniture and placing orders.
 - Implement order modification and deletion within the given timeframe.
 - Integrate with the Order module for order-related actions.
 - View all available furniture and handle customer actions related to selecting and ordering.
 - Coordinate with Furniture.h to display and filter available furniture.
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5. Member 6 - Handling Furniture Module

Files:

- Furniture.h

Responsibilities:

- Implement the display and CRUD operations for furniture items (add, edit, delete).
- Implement optional search/filter functionality for furniture based on categories and other attributes.
- Ensure correct inventory updates when a furniture item is ordered or modified.
- Provide an easy-to-use interface for the customer and admin to interact with furniture data.

Summary of Task Assignment:

Header File	Assigned Member(s)
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USER.h	Yahya (Leader)
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fileHandling.h	Yahya (Leader)
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Admin.h	Member 1 & 2
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Order.h	Member 3 & 4
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Customer.h	Member 5
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Furniture.h	Member 6
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