

Gujranwala Inventory Futuristic Trade (GIFT) System



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Requirement Specification:

1. Business Requirements:

According to the business requirements collected from the Client:
The System should be able to:

- BR-01:** Allow the computer operator to login to the system.
- BR-02:** Allow Computer operator to add product in inventory.
- BR-03:** Allow Computer operator to add discount on total amount.
- BR-04:** Show out of stock alert when product will be less than 1.
- BR-05:** Update inventory (when sell or purchase products).
- BR-06:** Allow Computer operator to add products to cart.
- BR-07:** Calculate bill automatically (using products price, quantity, and discount).
- BR-08:** Remove product from cart.
- BR-09:** Print the bill.
- BR-10:** Save the bill.

2. User Requirements:

According to the user requirements collected from the Computer Operator,
He/she should be able to:

- UR-01:** Login to the system.
- UR-02:** Add product to the inventory.
- UR-03:** Update the product details in inventory.
- UR-04:** View Product details from inventory.
- UR-05:** Add products to cart.
- UR-06:** Delete Product from cart.
- UR-07:** Search product by product name.
- UR-08:** Print the bill.
- UR-09:** Save the bill.

UR-10: Search the bill by bill's id.

UR-11: Change the Password.

UR-12: Reset the password.

3. Functional Requirements:

System shall provide the facility to:

FR-01: Login to the system.

FR-02: Add product in inventory.

FR-03: View product from inventory.

FR-04: Update product details from inventory.

FR-05: Delete/Remove product from inventory.

FR-06: Search the product by its name.

FR-07: Search the bill by its id.

FR-08: Print the bill.

FR-09: Add discount on total amount.

FR-10: Alert out of stock automatically when quantity is less than 1.

FR-12: Update the inventory (when sell or purchase products).

FR-13: Add products to cart.

FR-13: Remove product from cart.

FR-15: Calculate the bill automatically (using products price, quantity, and discount).

FR-16: Save the bill.

FR-17: Change the password.

FR-18: Reset the password.

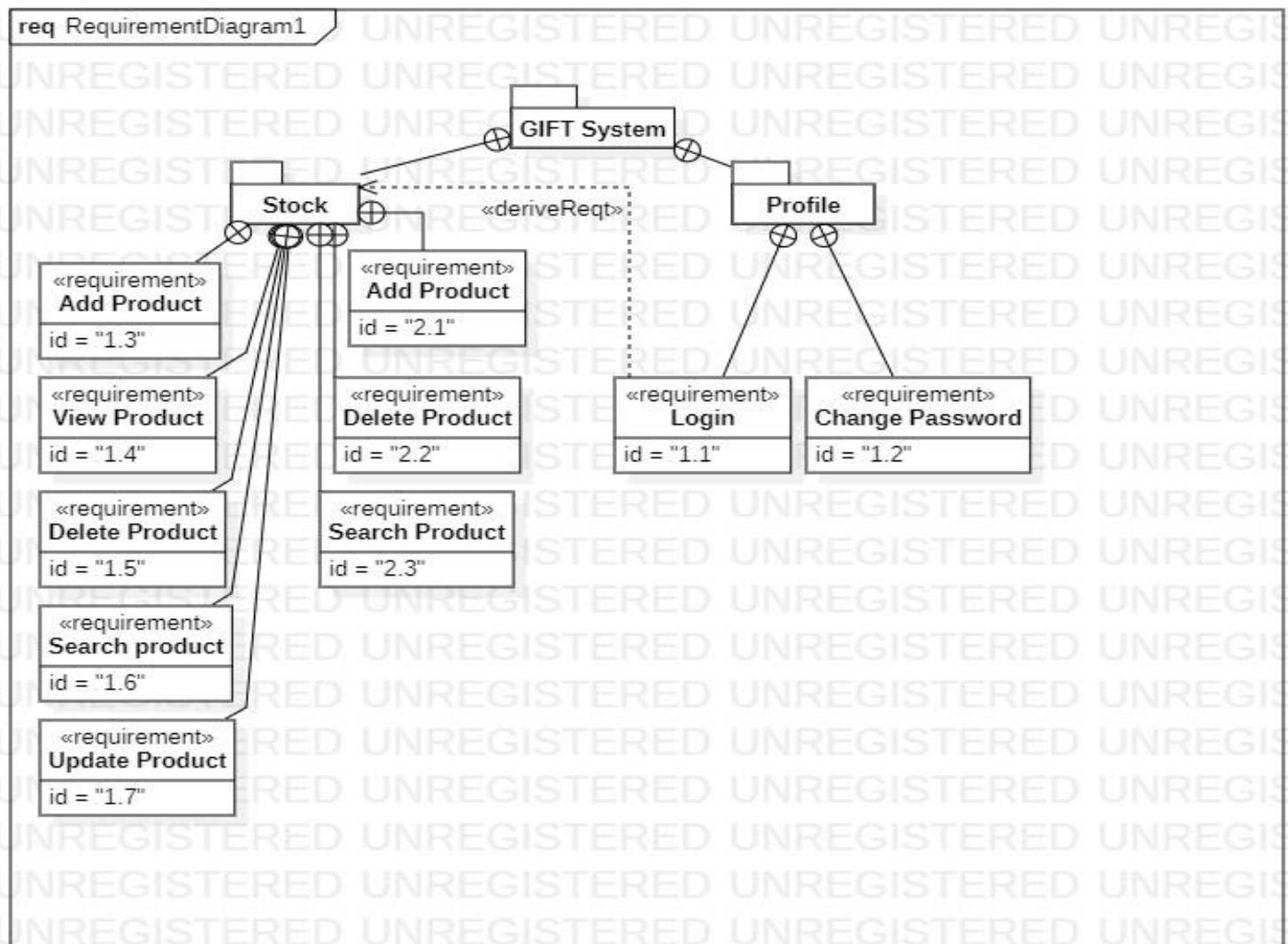
4. Non-Functional Requirements:

NFR-1: Efficiency: - Computer operator search product approximately within 5 seconds.

NFR-2: Efficiency: - **Computer** operator delete product approximately within 2 seconds.

NFR-3: Efficiency: - **Computer** operator add the product approximately within 2 seconds.

4. Requirement Diagram:



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