

Software Design Component

Customer

A retail store is where customers buy goods for their own use. The customers will be able to buy items singly or in small packs.

This contrasts with a wholesale store, which is where retailers buy goods in large quantities, not to use, but to re-sell individually to their customers.

Branch

A branch store is one which is located away from the main store. For example, if a store in one town finds they have a lot of potential customers in another town, they might open up a branch store there. Some stores have branches all over the country, and instead of the main store, they have a central warehouse or depot.

Inventory Management system

An inventory management system is a combination of hardware and software technology, which tracks and manages product inventory, product sales, and other production processes.

Server

A server of stores sends and receives data. In essence, it "serves" something else and exists to provide services. A computer, software program, or even a storage device may act as a server, and it may provide one service or several.

Database

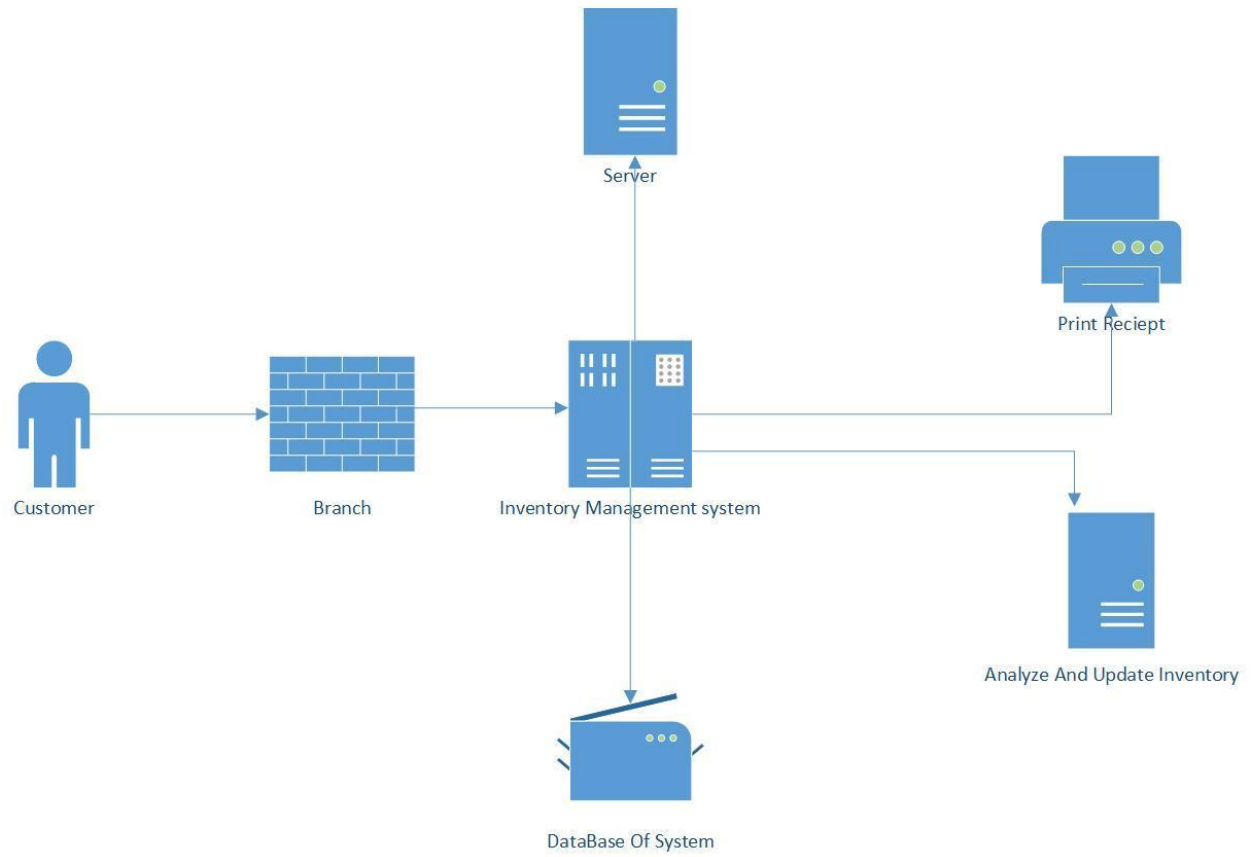
The database of the store is used to store the data of inventory.

Print Receipt

When the customer completes their shopping, the receipt will be printed by the admin.

Analyze and Update inventory

The admin analyzes the information and updates the Inventory.



RIMA RETAIL INVENTORY MANAGEMENT SYSTEM

Mockup 1

The mockup is titled "STORE INVENTORY MANAGMENT RIMA". It features three main sections:

- Warehouse:** Contains two input fields labeled "Warehouse ID" and "Warehouse Name".
- Items Details:** Contains five input fields labeled "Category", "Item ID", "Name", "Price", and "Stock". Below these are two search buttons: "Search item by ID" (blue) and "Search item by Name" (blue).
- Add New:** Contains five input fields labeled "Category", "Item ID", "Name", "Price", and "Stock".

At the bottom right, there are three buttons: "Save" (blue), "Update" (pink), and "Cancel" (pink).

GUI Mockup 1

The GUI takes input from the admin and stores the information of the items and adds new items to the inventory.

The GUI mockup one contains three fields through which the admin can manage their inventory

Warehouse ID

The admin enters the id of the warehouses where he stores the products or items

Warehouse Name

The admin enters the warehouse's names assigned to the product.

The next field is for checking the detail of the products

Item ID

In item id the admin enters the number assigned to the product.

Items Name

In the item Name, the admin enters the product name.

Price

Price shows the prices of items

Stock

Shows the remaining quantity of product stored in the warehouse.

Category

The category shows the category of the Item which is assigned by the admin for products.

Buttons

Save

The save button works when the admin can make changes or add any new item in inventory.


Update

Update button works when the admin updates the inventory of the store.

Cancel

The cancel button is used to cancel changes.

ADMIN LOGIN

A screenshot of an admin login form. The form has a light gray background with a white border. At the top, the text "ADMIN LOGIN" is centered in a black, serif font. Below this, there are two input fields. The first field is labeled "username" in a black, serif font, and the second field is labeled "Password" in a black, serif font. Both fields are white with a light gray border. At the bottom of the form, there are two blue buttons with white text. The first button is labeled "Log in" and the second button is labeled "Reset".

ADMIN LOGIN

username

Password

Log in Reset

In login page of the system admin can access the system by providing their username and password and when the username and password is incorrect the admin cannot access the system.

If admin don't remember their password it can also reset their password by pressing reset button when admin press reset button it provides the answers to security question provided by admin first time to reset their password

Username


Take input from the admin and check the username is authenticated.

Password

Take the input from the admin to check the person is authorized.

Buttons

"Log in" Button login button can allow the admin to access the system when the admin clicks on the login button it takes it to the system dashboard where it can manage the inventory.



"Reset Button" reset button works when the password is wrong so the admin can reset their password and create a new password and then access the system successfully.

RECEIPT

RECEIPT

Item ID

Item Name

Quantity

Price

Total Price

DISCOUNT

Print

The Receipt for the customer contains the information of products he buys from the store when the customer buys some item from the store the system put the information in the receipt which includes

Item ID

The number assigned by the system for the product.

Item Names

The name of item the customer buys from the store.

Quantity

Quantity shows the number of item customer by from the store.

Price

Price shows the price for each product the customer buys from store.

Total Price

Total price shows the prices of all the product customer buy from the store.

BUTTON

Print

Print Button can print the receipt when admin print the receipt for the customer.

Database diagram for the RIMA system

The database store all the records of the store which include stock products payment suppliers, etc. history of the products , information of items stock and the Payments information

