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SEAT NO: 417

PROJECT TITLE: MESS GROCERIES STOCK MAINTENANCE

PROBLEM STATEMENT:

A mess or canteen in a college requires an efficient system to manage and maintain the stock of groceries and other food items. Currently, the process of tracking inventory, managing stock levels, and maintaining the report of the order details, vendor details, return goods details and cost details for the used goods are the challenges. These challenges can be overcome by creating a Mess groceries stock maintenance website which should have the stock details, amount of consumption during each session, session wise cost details, vendor wise cost details and goods return report which helps to easily access the details throughout the month wise, week wise and day wise and helps to make some important decision.

TECHNICAL COMPONENTS

COMPONENT	TECH STACK
FRONTEND	Vue.js
BACKEND	Node.js with Express.js
DATABASE	MongoDB
API	REST Ful API

INTRODUCTION

- ## PURPOSE

Mess groceries Stock Maintenance which includes Supply master raise purchase request, Approval for the Admin, Placing the Order given by the Supply master, Groceries are received with the bill details, sub store wise to be issued the groceries, Consumption of groceries on each mess and the session wise, data of groceries expiry product details, Reports for stock maintenance, monthly reports, cost report and comparison rate charts of groceries.

- ## SCOPE

This system helps to maintain a proper stock and reports for the each and every action. This report will help to easily calculate amount for the products consumed during each mess and the vendor wise ordered cost report and goods return report.

SYSTEM OVERVIEW:

- ## Master:

Supply mater have an ability to raise a purchase request and check the status of the purchase request. They have to enter the products consumed during each session.

- ## Admin:

The admin has an ability to accept or reject the purchase request raised by each Supply master. If the request was approved then the total purchase order will be placed and if it was rejected, they have to give the reason for rejecting.

- **Goods Inward:**

  After placing the order Goods Inward will takes place in this stage after the bill verification was done by the accounts team. if the bill verification was satisfied goods will be distributed to each mess and if was not satisfied the goods return will takes place.

- **Consumption Entry:**

  The consumption entry will be done by the supply master during each session and the data will be maintained session wise, day wise and month wise. Based on this we can maintain our stock efficiently.
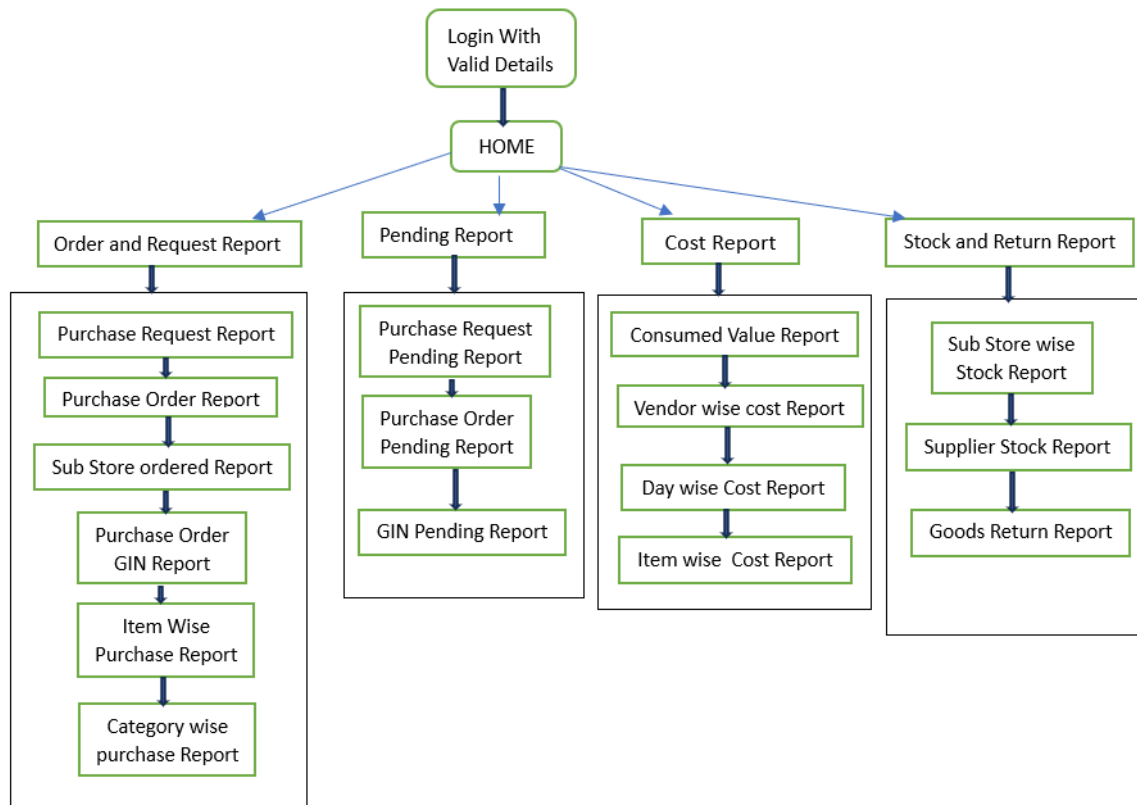
- **Report:**

  The reports of each stage will be maintained and the reports can be category wise, item wise, session wise, day wise, vendor wise and month wise. The Purchase request report, Purchase order report, purchase order pending report, purchase request pending report and the detailed cost report and consumption entry report will be also maintained.
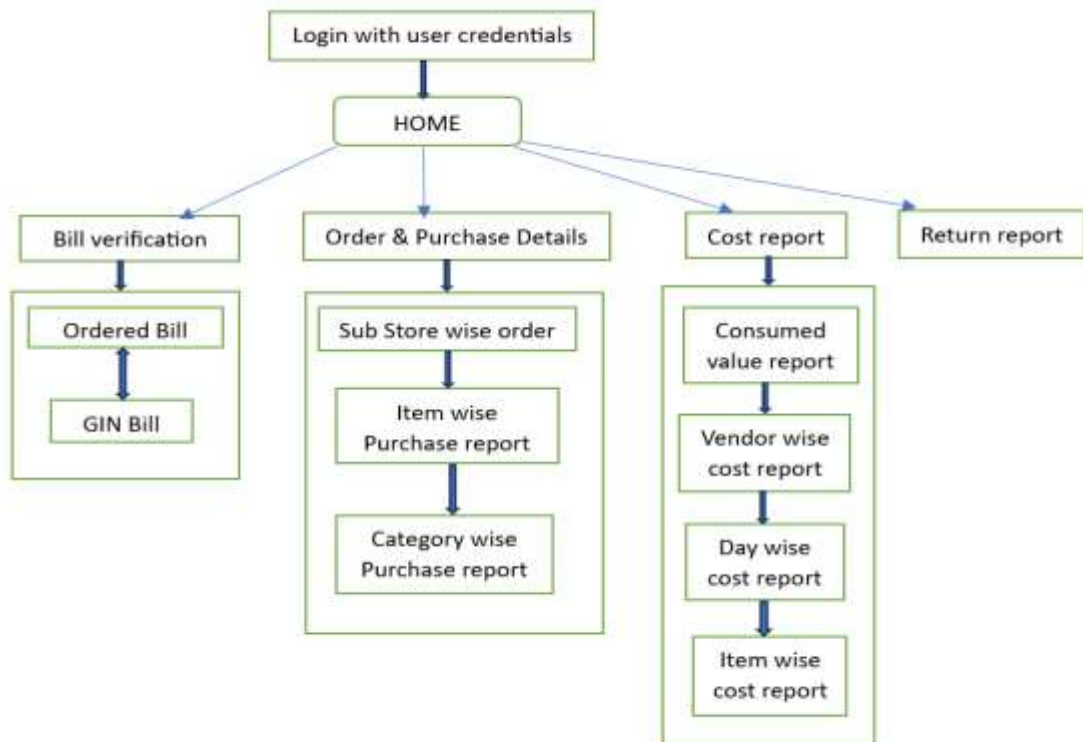
APPLICATION WORKFLOW
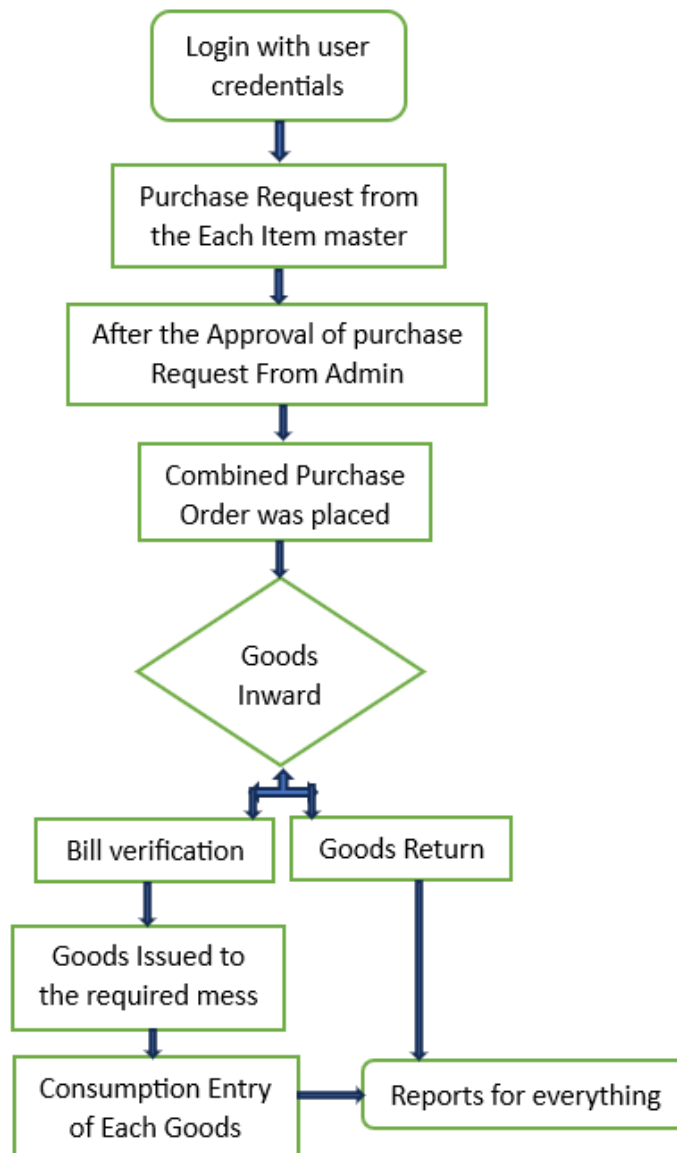
APPLICATION DESIGN:

ADMIN INTERFACE:

```
                          ┌──────────────┐
                          │  Login With  │
                          │ Valid Details│
                          └──────────────┘
                                 │
                          ┌──────────────┐
                          │     HOME     │
                          └──────────────┘
```

Order and Request Report	Pending Report	Cost Report	Stock and Return Report
Purchase Request Report	Purchase Request Pending Report	Consumed Value Report	Sub Store wise Stock Report
Purchase Order Report	Purchase Order Pending Report	Vendor wise cost Report	Supplier Stock Report
Sub Store ordered Report	GIN Pending Report	Day wise Cost Report	Goods Return Report
Purchase Order GIN Report		Item wise Cost Report	
Item Wise Purchase Report			
Category wise purchase Report			

ACCOUNTS INTERFACE:

ITEM MASTER INTERFACE: