**Submitted by:**

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**Project Name:**

Greengrocer Inventory Cashier System

**GitHub Repository**:

<https://github.com/saareli123/Greengrocer-system.git>

**APP Link:**

<http://greengrocer-sys.byethost14.com>

**Acronyms:**

IM - Inventory Management

GICS - Greengrocer Inventory Cashier System

**Background:**

Many greengrocers around the world are still using paper to manage their shop. From the inventory management to the payment process. This old-fashioned way of running a local business has many drawbacks like waste of goods, hard to maintain, hard to scale and lack of the ability to make insights of the business state.

In this project we present a system that will be able to provide a greengrocer shop owner the ability to manage inventory, make payments and get insights of the business state.

**Pages description:**

1. Index\Main menu – From the main menu the user can navigate to all the other pages and functionalities in the system. It will have a logo, contact information, sign-in pop-up page and links to all the other pages.
2. Cashier – consists of two main pages:
   1. Catalog – The Catalog will show all the available items in the inventory (with stock numbers) and the user will be able add them to the shopping cart.
   2. Shopping cart – The Page will show the current shopping cart with the ability to go back to Catalog and edit it again before moving to Payment (+ / - can be done directly from the shopping cart).
   3. Payment – Implement the cashier. Payment can be done using cash or credit card. The cashier will handle change in case of cash payment and printing the receipt at the end of the payment.
3. Inventory Management – From the IM page the user will be able to manage all the store’s inventory. The main functionalities will be:

* Adding new items
* Removing existing items
* Update/Edit existing items (count, price, name, display picture and more...)

1. Insights – From the Insights page the user will be able to get different kind of Insights as described:

* Profit Insights.
* Costumer Insights.
* Inventory Insights.

**Two main usage scenarios:**

1. Sell items:

The greengrocers want to sell 2 Apples and one tomato to a customer. The Customer selects the goods from the store and goes to the cashier. The greengrocers open the GICS and from the main menu goes to Cashier main page. From there he selects the Catalog and adds the items to the current shopping cart. After the items have been added he goes to shopping cart to make sure the order looks good and continues to payment. He selects the desired Payment type and process the payment. Then He hand over the printed receipt to the customer.

1. Update Inventory: The greengrocers get a new stock of carrots, and he wants to update his Inventory with the new stock. The greengrocers open the GICS the from the main menu goes to Inventory Management page. From there He Updates the number of carrots in the stock.
2. Check Insights: At the end of the month the greengrocers want to check which vegetable was the best seller of the month so he can refile the stock accordingly. So, he opens the GICS and goes to the Insights page and reads the data.

**Development schedule:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week number** | **Week dates** | **Milestone** | **description** |
| 1 | 23-28.4 | Project Suggestion | Project Suggestion + Index page + POC |
| 2 | 1-5.5 | Front-End | Writing all the system inner pages CSS + HTML + JS and add linkage between them. |
| 3 | 8-12.5 |
| 4 | 15-19.5 | Database | Create Database with all the tables and schemes needed. |
| 5 | 22-26.5 | Back-End | Work on backend architecture and implementation. Also connect to the Database to the Front-End |
| 6 | 29.5-2.6 |
| 7 | 5-9.6 | Documentation | Create an intuitive and explanatory Readme.md file and add it to the GitHub repository |