



# GROCERY POS SYSTEM

By,

Haaripriya A L

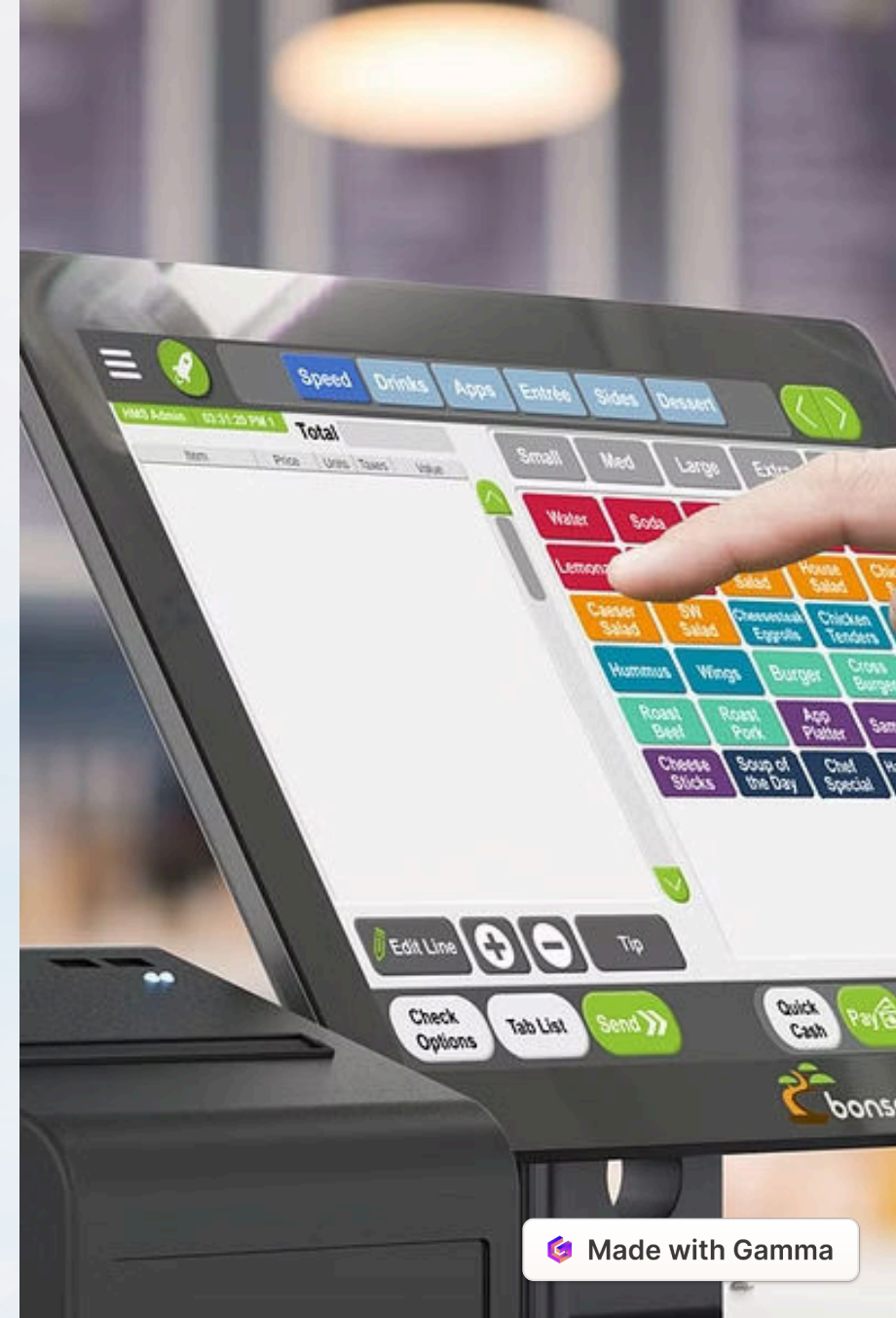
Shreevarsha G

Shereena A

Nishanthiakshayaa S

# Introduction to Next Gen POS

In the dynamic business world, technology is essential for streamlining operations and improving client relations. In this context, developing a Next Generation Point of Sale (POS) system is a noteworthy endeavour that promises to transform productivity, functionality, and customer satisfaction in the retail and hospitality sectors.

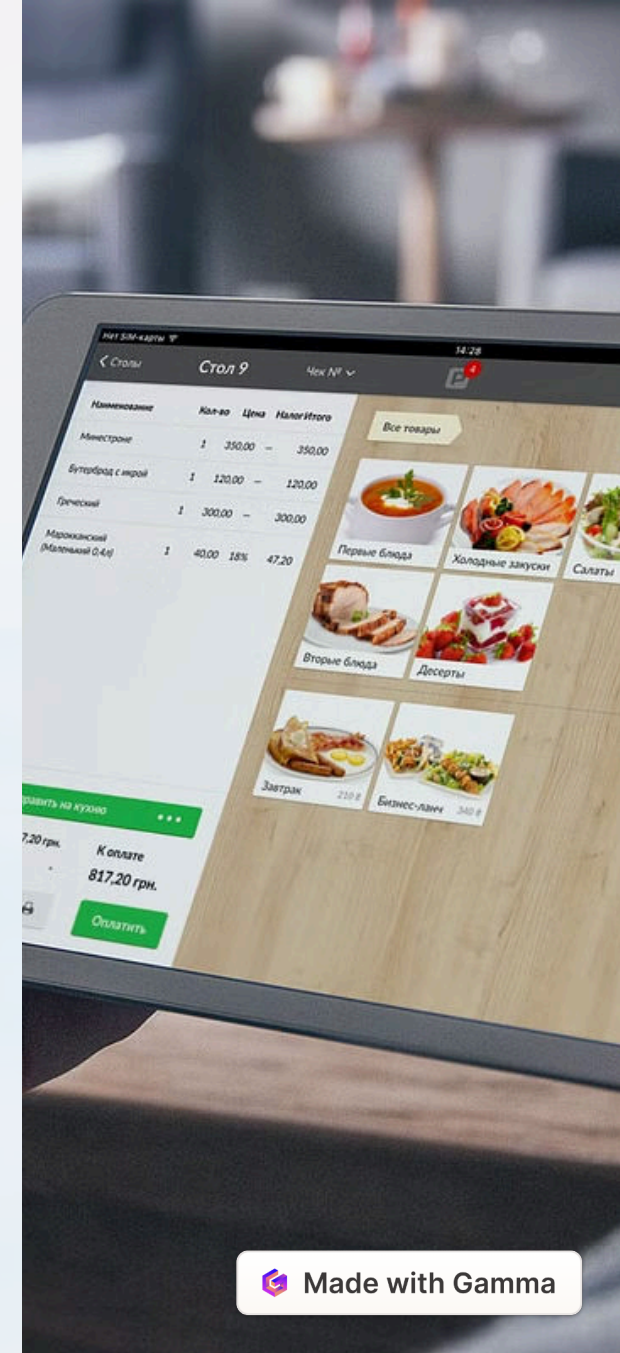


# Problem Statement

Develop a next Gen POS System by incorporating all UML diagrams and develop a mini app for it.

## Exsisting system

The present NextGenPOS system is a cutting-edge structure designed to enhance point-of-sale procedures in the retail and hospitality industries. It includes a plethora of cutting-edge features to simplify tasks like managing inventory, processing sales, and interacting with customers.





# Proposed System

Our Project is implemented for Grocery based POS system. It includes multiple options like Adding category list, Adding product list and ordering the user needed grocery items , billing and printing the receipt, these features are available in our POS System.

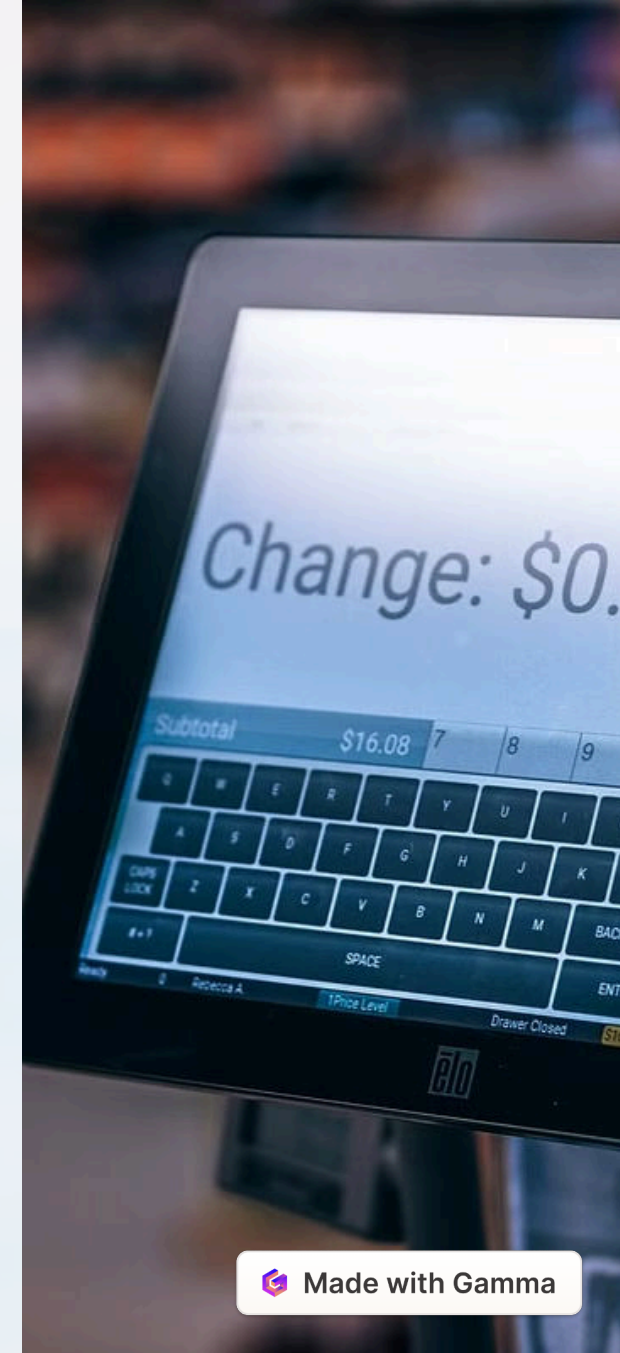
## Technologies Used

1 Frontend → Html, Css

2 Backend → Python

3 Framework → Django

4 Database → PostgreSQL



# Modules Used



# Output

## Login

## Grocery Point Of Sale System

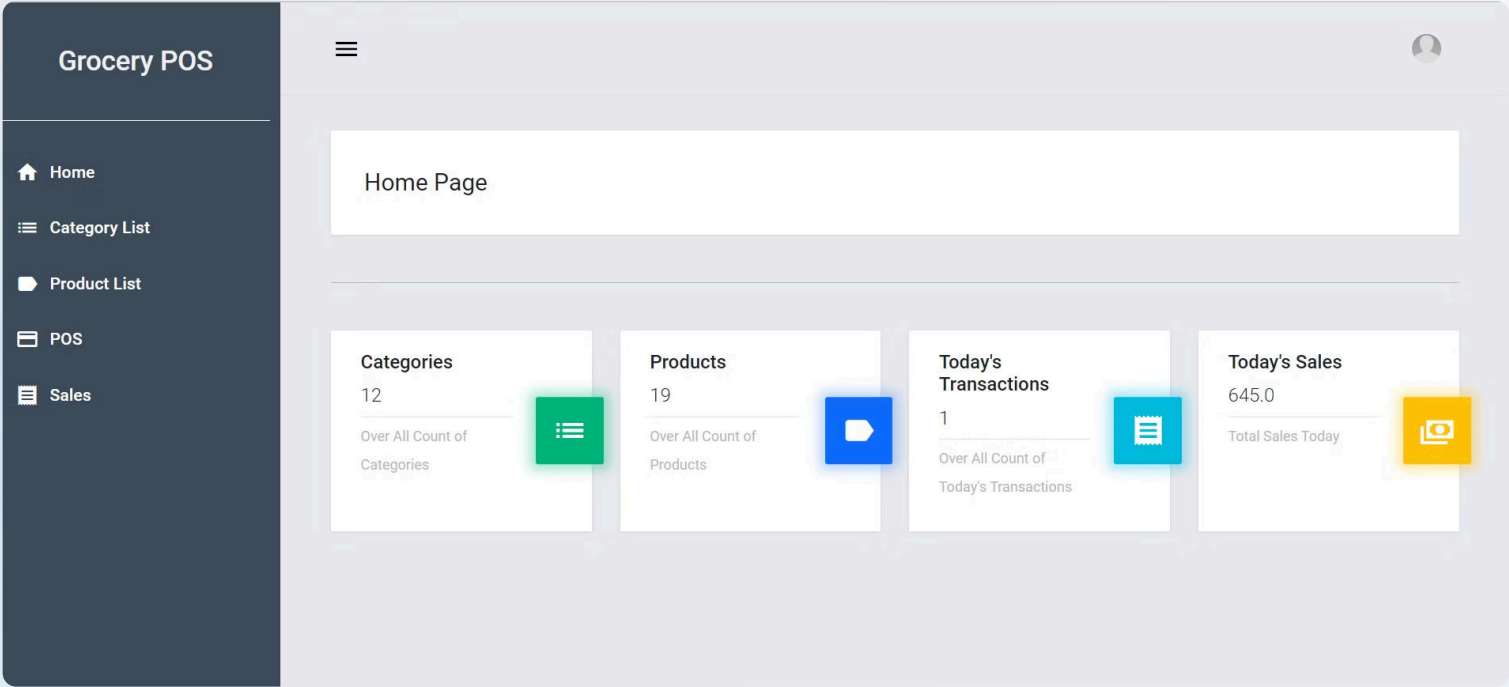
Username

Password

Login



# Home



# Category List

Grocery POS

Home

Category List

Product List

POS

Sales

Category List

+ Add New

#	category Name	Description	Status	Action
2	Dairy	Milk, cheese, yogurt, butter	Active	<div><div></div><div></div></div>
3	Bakery	Bread, pastries, cakes, cookies	Active	<div><div></div><div></div></div>
4	Fruits and vegetables	apples, bananas, lettuce, tomatoes	Active	<div><div></div><div></div></div>
5	Grains and Pasta	Rice, pasta, flour, cereal	Active	<div><div></div><div></div></div>
6	Snacks	Chips, crackers, nuts, popcorn	Active	<div><div></div><div></div></div>
7	Household Items	Paper towels, cleaning supplies, toiletries	Active	<div><div></div><div></div></div>
8	Baking Supplies	Sugar, flour, baking powder, chocolate chips	Active	<div><div></div><div></div></div>
9	Frozen Foods	Frozen vegetables, pizzas, ice cream, frozen meals	Active	<div><div></div><div></div></div>
10	Beverages	Water, soda, juice, tea, coffee	Active	<div><div></div><div></div></div>
11	Meat and Seafood	Beef, chicken, pork, fish, shrimp	Active	<div><div></div><div></div></div>
12	Condiments	Ketchup, mustard, mayonnaise, salad dressing	Active	<div><div></div><div></div></div>
13	Baby Care	Diapers, baby food, wipes, formula	Active	<div><div></div><div></div></div>



# Product List

Grocery POS

Home

Category List

Product List

POS

Sales

Product List

+ Add New

#	Category	Product	Status	Action	
5	Dairy	Milk	Active	<div><div></div><div></div></div>	
6	Dairy	Yogurt	Active	<div><div></div><div></div></div>	
7	Bakery	Bread	Active	<div><div></div><div></div></div>	
8	Fruits and vegetables	Apple	Active	<div><div></div><div></div></div>	
9	Fruits and vegetables	Banana	Active	<div><div></div><div></div></div>	
10	Grains and Pasta	Rice	Active	<div><div></div><div></div></div>	
11	Snacks	Potato chips	Active	<div><div></div><div></div></div>	
12	Household Items	Paper towels	Active	<div><div></div><div></div></div>	
13	Baking Supplies	Sugar	Active	<div><div></div><div></div></div>	
14	Meat and Seafood	Chicken	Active	<div><div></div><div></div></div>	
15	Baby Care	Diapers	Active	<div><div></div><div></div></div>	
16	Dairy	Cheese	Active	<div><div></div><div></div></div>	
17	Fruits and vegetables	Onion	Active	<div><div></div><div></div></div>	

# POS

Grocery POS

Home

Category List

Product List

POS

Sales

Add Products

Select Product

Please Select Product here

Qty

1

+ Add Item

	QTY	Product	Price	Total
×	5	Apple	250	1,250
×	1	Milk	35	35
×	1	Bread	25	25
×	2	Yogurt	20	40
×	1	Rice	150	150
×	2	Chicken	180	360
×	3	Paper towels	55	165
×	1	Potato chips	20	20

Sub Total

2,045

Tax Inclusive (%)

2

Tax Amount

40.9

Grand Total

2,045

Checkout

# Checkout and Print

Grocery POS Unofficial Receipt		
Data: Mar 25 2024 Transaction Code: 404800002		
Qty	Product	Amount
5	4 - Apple	1,250.0
	250.0	
1	1 - Milk	35.0
	35.0	
1	3 - Bread	25.0
	25.0	
2	2 - Yogurt	40.0
	20.0	
1	6 - Rice	150.0
	150.0	
2	10 - Chicken	360.0
	180.0	
3	8 - Paper towels	165.0
	55.0	
1	7 - Potato chips	20.0
	20.0	
Total		2,045.0
Tax (inclusive): 2.0%		40.90
Tenedered		2,050.0
Change		5.0
<div><div>Print</div><div>X Close</div></div>		

# Conclusion

In conclusion, the next-generation POS system for grocery stores represents a pivotal advancement in enhancing operational efficiency, customer satisfaction, and adaptability. With its integration of advanced technologies and focus on seamless user experience, it promises to revolutionize the industry, empowering retailers to thrive in a rapidly evolving market landscape.