



**SRM University,  
Haryana**

# **SMART RETAIL POS**

Final Year Major PROJECT

Project URL : <http://smartretailpos.pe.hu>

Login ID = Password = 1000

Source Code URL : <https://github.com/biswabijaya/Smart-Retail-POS>



# INTRODUCTION TO POS

A point of sale system, or POS, is the place where your customer makes a payment for products or services at your store. Simply put, every time a customer makes a purchase at your store, they're completing a point of sale transaction.

The POS serves as the central component for business; it's the hub where everything—like sales, inventory and customer management—merges.

As evident as the benefits of a POS system are, we found that 56 percent of single-store retailers are not using one. Instead, we found, many are still using a combination of manual methods, cash registers, QuickBooks and Excel for bookkeeping.

So why have retailers not taken that step to POS yet? To begin with, implementing new technology—especially technology that's central to your business process—can be scary and overwhelming. Retailers need to consider the negative consequences of failing to have a POS in place.

“Retailers run the risk of slowing down their operations and missing critical data that could help them grow their business faster. Having key insight about their customers, their inventory level and when they should order more supplies are examples of information a POS provides.”

Understanding a POS system is—its software and hardware components, as well as capabilities—will enable you to make an educated buying decision.

# TOOLS AND TECHNOLOGY



## Android Studio

- ▶ A project in Android Studio contains everything that defines your workspace for an app, from source code and assets, to test code and build configurations. Android Studio is Android's official IDE.
- ▶ Languages used are XML and Java.

## LAMP

- ▶ LINUX
- ▶ APACHE
- ▶ MYSQL
- ▶ PHP



# WEBSITE

POS Website is what brick and mortar retailers use to conduct sales. It's sometimes a cash register, computer, or even an iPad where cashiers input your products, tally the cost, and conduct the financial transaction. Most POS Website will also communicate with inventory levels to keep everything in balance. A lot of big box stores have wildly expensive POS solutions, some of which were custom built for their needs. Smaller retailers are moving away from these traditional POS systems and toward cloud based point of sale solutions.



# ANDROID APP

It is an efficient billing portal with smart inventory and convenient POS under the name “Smart Retail POS”. It has developed core functionalities for merchant to manage, analyse and visualise inventory. It will help merchant to analyse sales through several reports. It consists of password less-authentication service in the app for users. The highlighted features consist of paper less invoicing, POS profit estimate for instant discount and mobile based wireless barcode scanner.

# SNAPSHOTS - Website



Hosting | hPanel Products Inventory view-source:smartretailpos... + http://smartretailpos.pe.hu/retail/products.php 2.55ct Oval Pink Tourmaline plugins php web toolkit css unDraw License of our free site iamxelation - My Pub Animista Search Order / Product Logout

Add New Product

Name	Brand	Cat.	Sub-Cat.	STK	HSN	GST	Supplier	Action
20-20 BUTTER COOKIES	PARLE	BISCUIT	PARLE	15.00	1	0	ASSOCIATE TRADERS	
20-20 butter cookies-200g	PARLE	BISCUIT	PARLE	4.00	1	0	ASSOCIATE TRADERS	
20-20 BUTTER JEERA	PARLE	BISCUIT	PARLE	0	1	0	ASSOCIATE TRADERS	
20-20 cashew almond cookies	PARLE	BISCUIT	PARLE	5.00	1	0	ASSOCIATE TRADERS	
20-20 CASHEW COOKIES	PARLE	BISCUIT	PARLE	9.00	1	0	ASSOCIATE TRADERS	
20-20 gold butter	PARLE	BISCUIT	PARLE	6.00	1	0	ASSOCIATE TRADERS	
5 STAR-10	DAIRY MILK	CHOCOLATE	CADBURY	0	1	0	HINDUSTAN DISRTRIBUTORS	
5 STAR-5	CAD	CHOCOLATE	CADBURY	4.00	1	0	HINDUSTAN DISRTRIBUTORS	
5 STAR3D	CAD	CHOCOLATE	CADBURY	0	1	0	RELIANCE SMART ANDHRA CARD	
50-50 MASKA CHASKA	BRITANNIA	BISCUIT	BRITANNIA	0	1	0	Not Set	
50-50 SWEET SALTY	BRITANNIA	BISCUIT	BRITANNIA	0	1	0	Not Set	
50-50 SWEET SALTY-10	BRITANNIA	BISCUIT	BRITANNIA	0	1	0	HINDUSTAN AGENCIES	

# SNAPSHOTS – Website – Login & Billing

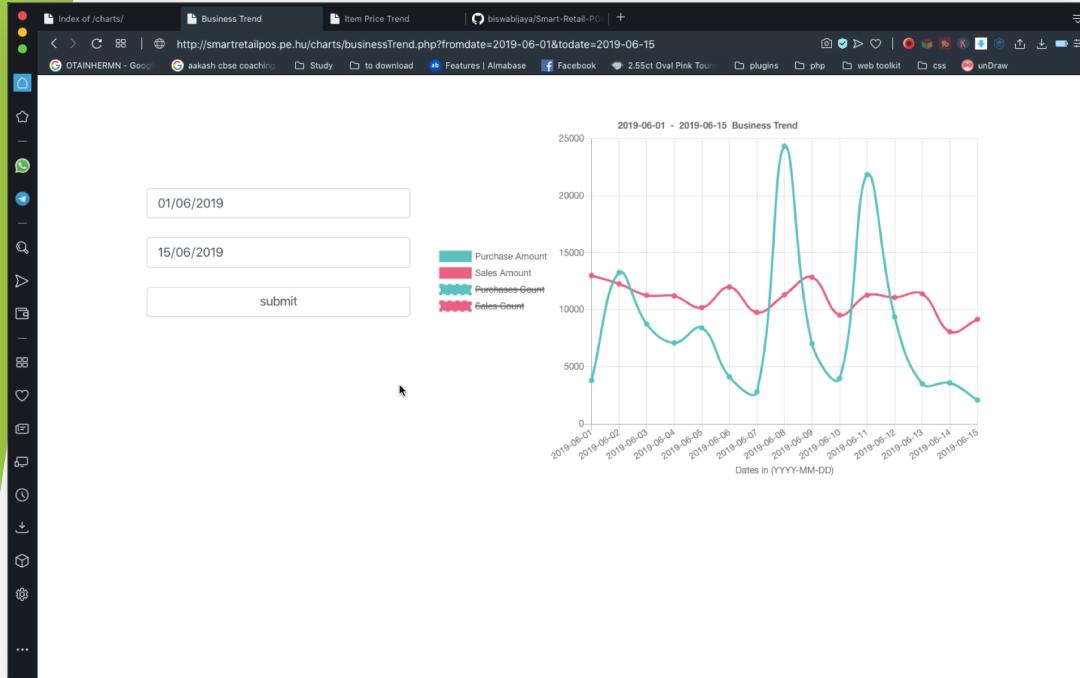
A screenshot of a web browser showing the Smart Retail POS login page. The page has a white header with the text "Login". Below it is a form with fields for "User ID" (placeholder "Enter Staff ID") and "Password" (placeholder "Enter Password"). There is also a "Remember Password" checkbox and a large blue "Login" button. At the bottom of the form is a link "Forgot Password?". The browser's address bar shows the URL "http://smartretailpos.pe.hu/retail/".

[Click Here to Login](#)

A screenshot of a web browser showing the Smart Retail POS product view page. The page title is "Product View Page". It displays a product registration form for "20-20 BUTTER COOKIES" by "PARLE". The form includes fields for Name, Brand, Category, Sub Category, Barcode, Type, GST Rate, HSN Code, and various price and unit details. Buttons for "Edit" and "Go Back to Home" are at the bottom.

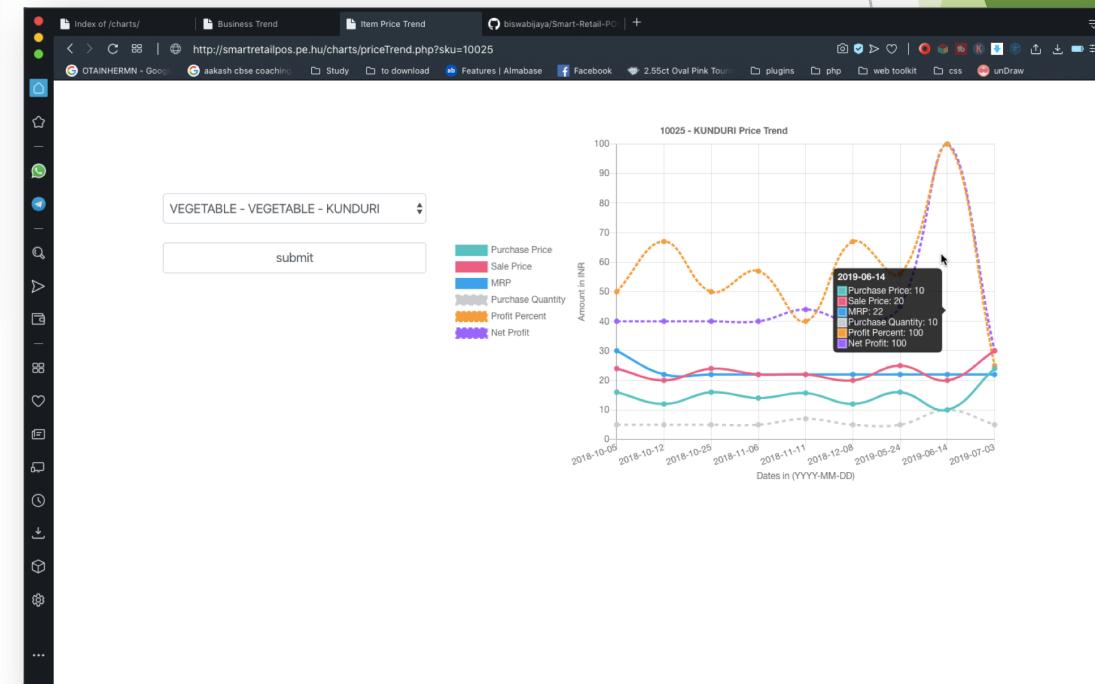


# SNAPSHOTS – Website – Data Report

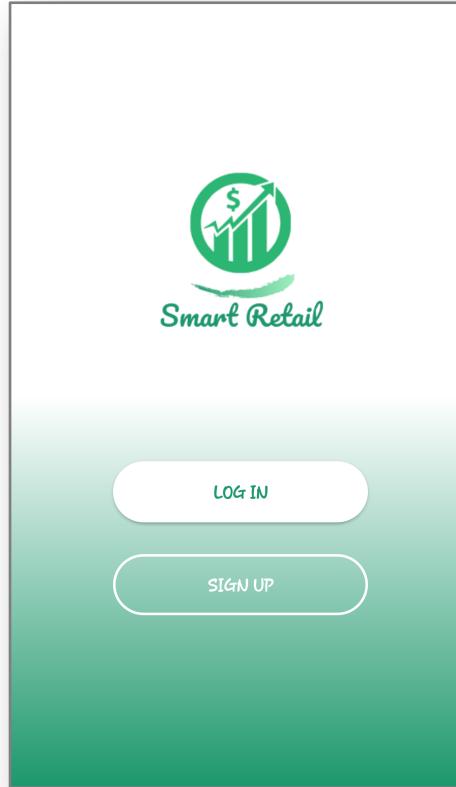
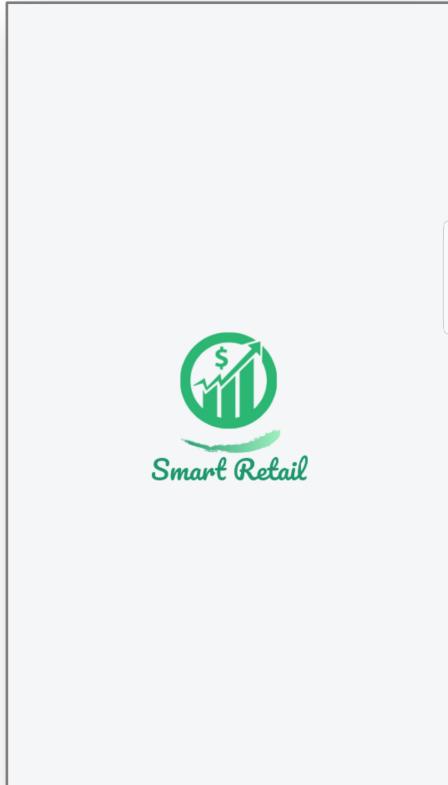


[Click Here to See Live](#)

[Click Here to See Live](#)



# SNAPSHOTS – Android app



Sign Up

Enter Your Phone Number

Enter Your New Password

The image shows a white rectangular form titled "Sign Up". It contains fields for "Enter Your Phone Number" and "Enter Your New Password", each with an associated input field. A "SUBMIT" button is at the bottom right. The background of the form is white, and the text is in a sans-serif font.



By Team Smart Retail Pos

BISWA BIJAYA SAMAL - 10316210035

ADITYA SACHDEVA - 10316210012

ARUNIMA MOR – 10316210026

ISHMIN SINGH - 10316210045