

• **“ANTOOBA DOOKAN”**  
**A Hybrid Solution for Inventory & Pos.**

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## DECLARATION

We hereby declare that, this project has been done by us under the supervision of Md.Sabab Zulfiker , Lecturer, Department of CSE Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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Finally, we must acknowledge with due respect the constant support and patients of our parents

## **ABSTRACT**

In the present time, Point of Sale (POS) is becoming a huge factor of the business world. Without a proper automated system, piled up paper works might emerge and multiple issues might occur since everything is hand written in a logbook and the guaranteed safety of the data are more likely nothing. The main purpose of this study is to design and develop an Inventory Management System using Node Js and Electron Js framework and implement a Point of Sale with a user-monitoring feature, real time based. The objective of the study is to resolve the current issue of the client's data storing procedure and sale processing. This shall help the client to stay away from their former data storing procedure and move on to the automated world. Middle to large business can use this system.

After the implementation of all functions, the system is tested on a different platform and it performs successfully.

## **TABLE OF CONTENTS**

<b>Content</b>	<b>Page</b>
Declaration	I
Acknowledgement	II
Abstract	III

### **CHAPTER**

#### **CHAPTER 1: INTRODUCTION**

1.1 About The Project	1
1.2 The Problem Statement	1
1.3 The Purpose	1
1.4 Scope	2
1.5 Benefits of the Project	2
1.6 Outline the Project	2
CHAPTER 2 : RELATED WORKS AND BACKGROUND STUDY	4-5
2.1 Requirement Analysis	4
2.2 Functional Requirement	4-5

CHAPTER 3 : DESIGN AND IMPLEMENT	6-10
3.1 Requirement Analysis	6
3.2 Functional Requirement	6
3.3 System Design	7
3.4 Use Case Diagram of POS	7
3.5 Use Case Description	8-10
 CHAPTER 4 : DESIGN AND IMPLEMENT	 10-36
4.1 Development Methodology	10
4.2 Development & Technology	11
4.3 ER Diagram	12
4.4 Activity Diagram	13
4.5 Used Interface	14-36
 CHAPTER 5 : TESTING AND EVALUATION	 37-40
5.1 Testing	37
5.2 Testing List	37-40
 CHAPTER 6 : CONCLUSION AND EVALUATION	 40-41
6.1 Goal	40
6.2 Limitation	41
6.3 Future work and plan	41
6.4 Conclusion	41

# **Introduction**

## **1.1 About The Project**

Antooba Dokan is a desktop-based application for Small and huge businesses or companies are enforcing inventory management systems for their organizations due to the massive intake of data that usually disrupts the flow of manual data recording of the business. To use this system records will be accessed easily; data intakes will have a safe storing area and everything will be one click away. One of the important parts is the Point of Sale (POS) where in the user could easily store the sales data, export the sales data and product a receipt for the customer. This will provide a huge ease of access for the employees in the organization.

## **1.2 The Problem Statement**

Everyone knows how hard it is to manage a business and without the help of an automated system, everything will be difficult to manage and searching for a specific data might be extremely lethargic for the employee since exploring the logbook could be excruciating to filter especially when the logs are filled with many data. But in this system everything will be easy to manage and searching for a specific data much easy without wasting any time. The goal of this project is to save time and increase business In our country, the internet is one of the big issues. In our system owner can use it both online and offline.

## **1.3 The Purpose**

The main purpose of this system is to manage the business without any hassle and know each and every piece of information of the business with just a click. Data will be store in the client-server and also the cloud server. System will help to know the business progress. The owner can manage his business at any time in any place.

## **1.4 Scope**

- Business can handle through online platform.
- This system will be store data both online and offline.
- User can find any kind of data without wasting any time.
- Don't need to write any menu card, the system will automatically print the menu card.
- System will calculate daily earning, daily due etc.
- Don't need to calculate stock states system will calculate it.

## **1.5 Benefits of the Project**

- The system will help to produce the physical work.
- It will help to save valuable time.
- It will help to increase the business.
- Owner can find any kind of data just a click don't need to weast too many time.
- Owner can handle multiple business.
- No need internet connection for desktop application.

## **1.6 Outline the Project**

To discuss the whole project in a nice presentable way it is necessary to divide the study according to concept. The project presentation needs the study in a well presentable form so others can get a thorough idea about the study at a glance without wasting time.



CHAPTER-1:INTRODUCTION(Context, Problem Statement, Purpose, Scope, benefit of project, outline the project)
CHAPTER-2:RELATED WORKS AND BACKGROUND STUDY(developing online exam system, Existing Online Exam System of Different Website, Conceptual Framework )
CHAPTER-3:REQUIREMENT ANALYSIS (Requirement analysis, Functional Requirements, Use Case Diagram of Online Exam System ,Use case description, System Design)
CHAPTER-4:DESIGN AND IMPLEMENTATION(Development methodology, Used language and Technique, Development process of Online Exam System, ER Diagram, Activity Diagram, UI of Online Exam System)
CHAPTER-5:TESTING AND EVALUATION(List of Testing)
CHAPTER-6:CONCLUTION AND FUTURE WORK(Goal, Conclusion, Future work plan, limitation)

## CHAPTER 2

### Related Work and Background Study

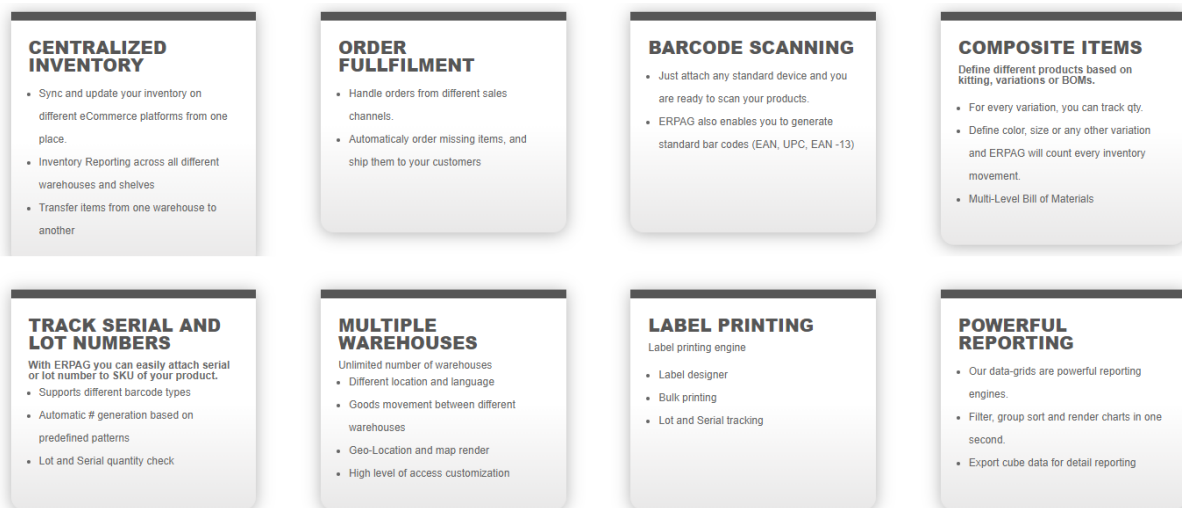
#### 2.1 Developing “ANTOOBA DOOKAN” A Hybrid Solution for Inventory & Pos

This paper discuss about inventory and pos system for shops. This is a hybrid solution for inventory and pos system.

#### 2.2 Related works and background study

##### 2.2.1 ERPAG

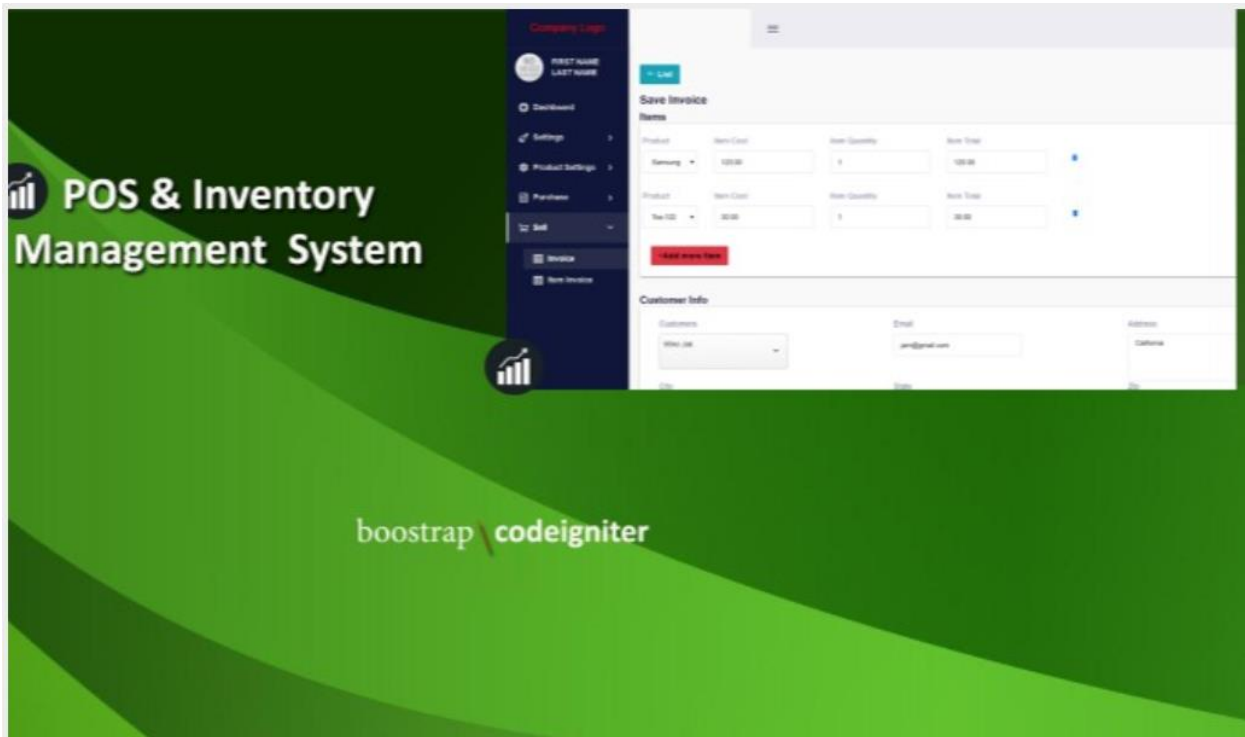
ERPAG is an USA company. They build Inventory Management Software for shops. Some features of this software are:



##### 2.2.2 Piecex

Piecex build POS and Inventory Management System. This is the Point of Sale (POS) & Inventory management system for small, medium & large company (Extended Version). In this POS and Inventory management

system You will have the products information with selling price, buying price, category and subcategory. The products will be used as item and at the purchase time You can add multiple items and supplier's info and general information.at the Sale time you can add multiple items and customers info and general information. You can print out the pdf formatted invoice. Some features of this system are: Dashboard, Products, Purchase, Sell (Invoice), Reports.



## **CHAPTER 3**

### **Requirement analysis**

#### **3.1 Requirement Analysis**

Requirement analysis is an important process for any project. To start the project, we must ensure that all the requirements of this project fulfill or not. We should determine the minimum requirements for both hardware and software.

#### **Requirement Analysis has Two Phases:**

- 1) Primary Research: Collect the requirement from client demand and also other sources.
- 2) Secondary Research: Compare the requirement from other software that existing in the market.

#### **3.2 Functional Requirements:**

- Create an account and add shop name, phone number and other details.
- Product for stock in.
- Product in on its brand and category based, fix product quantity, price and other details.
- Add Supplier details.
- Add customer to name and phone number. Also, others field available but not necessary.
- POS machine for scan bar-code.
- Automatic generate all kinds of report like stock report, customer report, expense report revenue report etc.
- Automatic calculate selling price also generate shop memo.

### 3.3 System Design:

System design is an important process to determine the architecture, modules to satisfy the requirement. It helps to client chose hardware and software for a specific project.

In this project we design our system as simple as possible. Because simple means gorgeous.

### 3.4 Use Case Diagram of POS:

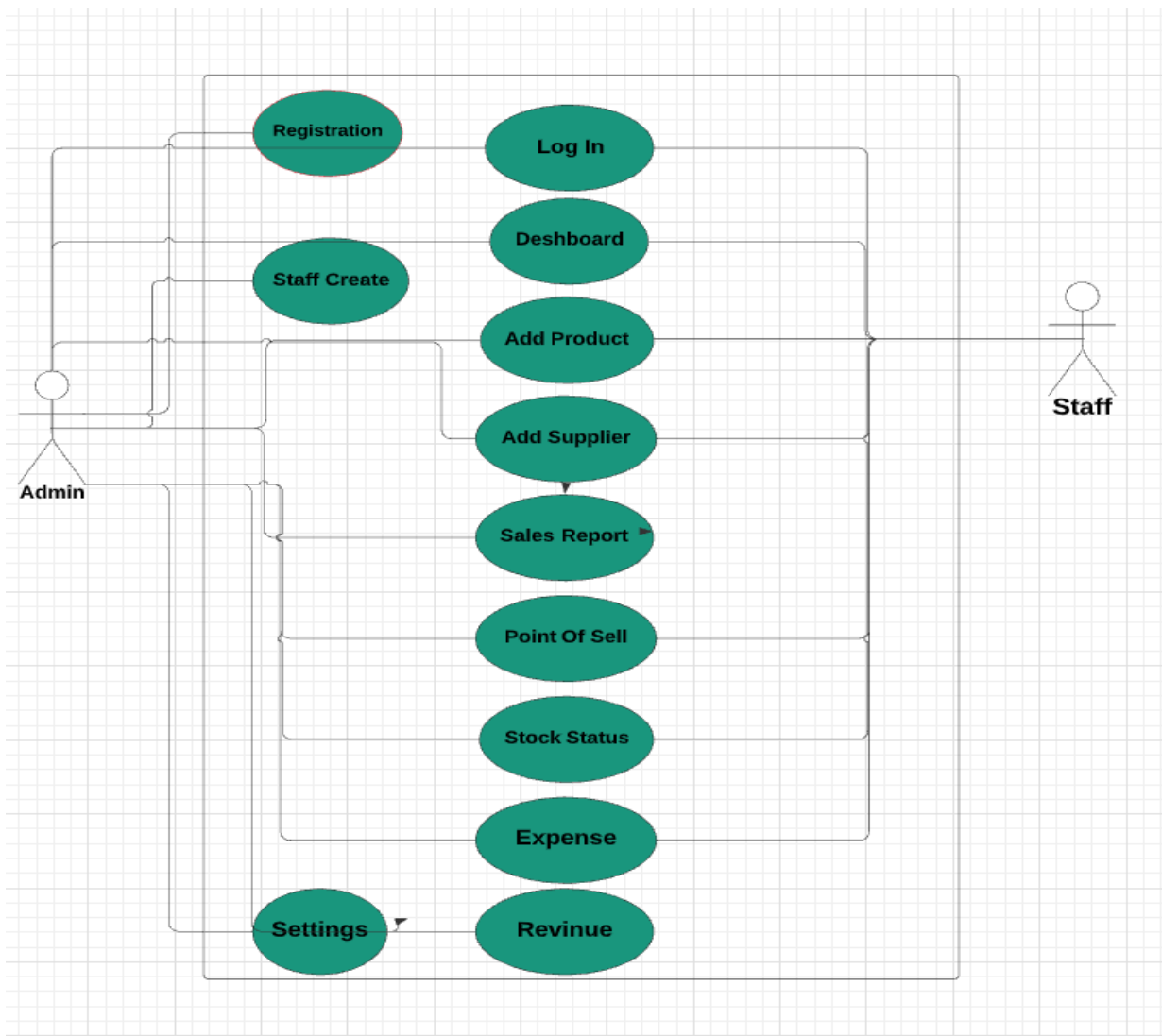


Figure: Use Case Diagram

### 3.5 Use Case Description:

#### Registration Use Case

Name	Registration
Primary Actor	Admin
Description	Registration the system
Pre-condition	User fill up all the required field
Post-condition	Users are resisted.

#### Login Use Case

Name	Login
Primary Actor	Admin, Staff
Description	Login into the system.
Pre-condition	All authorized has the user name and password and verified by the system.
Post-Condition	The system accepted.

#### Brand Add Use Case

Name	Add Brand
Primary Actor	Staff
Description	Adding Brand to the product
Pre-Condition	Create a Brand
Post-condition	Complete brand name and description.

### **Category Use Case**

Name	Add Category
Primary Actor	Staff
Description	Adding Category to the product
Pre-Condition	Create a product
Post-Condition	Complete category name and description.

### **Add Product Use Case**

Name	Add Product
Primary Actor	Staff
Description	Add product to its code, bran, category, supplier and others information.
Pre-Condition	Create a product
Post-Condition	Fill all the necessary information field.

### **Add Supplier Use Case**

Name	Add Supplier
Primary Actor	Staff
Description	Add Supplier name and others information
Pre-Condition	Create supplier
Post-Condition	Fill all the necessary field,

### **Customer Use Case**

Name	Add Customer
Primary Actor	Staff
Description	Add customer for product sale.
Pre-Condition	Adding Customer name
Post-Condition	Add customer with name phone number and others information.

### **Staff Use Case**

Name	Add Staff
Primary Actor	Admin
Description	Add staff for the shop.
Pre-Condition	Add Staff
Post-Condition	Add staff with name, email, phone number and others information.

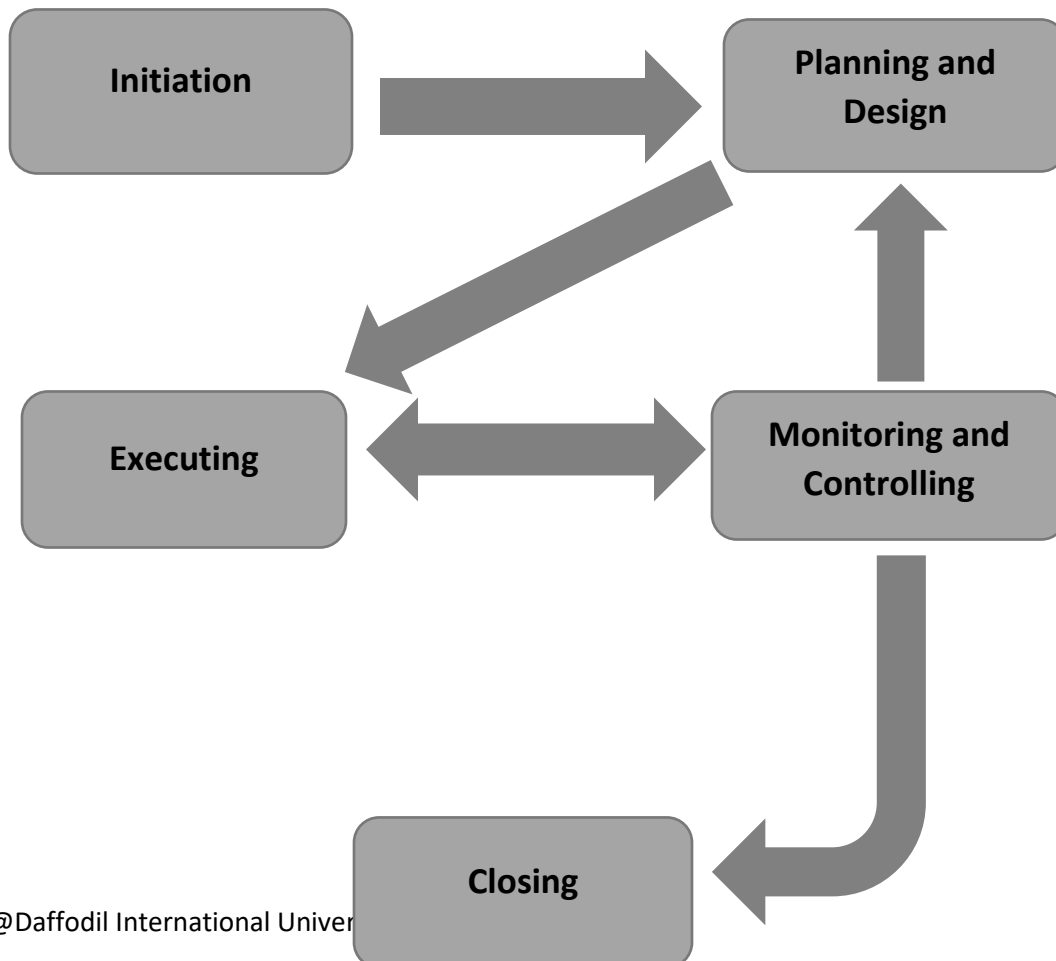
## **CHAPTER 4**

### **Design and implement**

#### **4.1 Development Methodology**

Development methodology is a process to developing a software. This is one kind of chain process. All the section includes this method to develop a system. One of the important parts to build a system.

There are few stages for our project development. These are given bellow:





## 4.2 Language and Techniques

### **Language**

- JavaScript

### **Front-End**

- HTML
- .CSS
- Bootstrap
- Handlebars as templating engine.

### **Backend**

- Node Js

### **Database**

- SQLite

### **For Desktop Application**

- Electron Js

### 4.3 ER Diagram

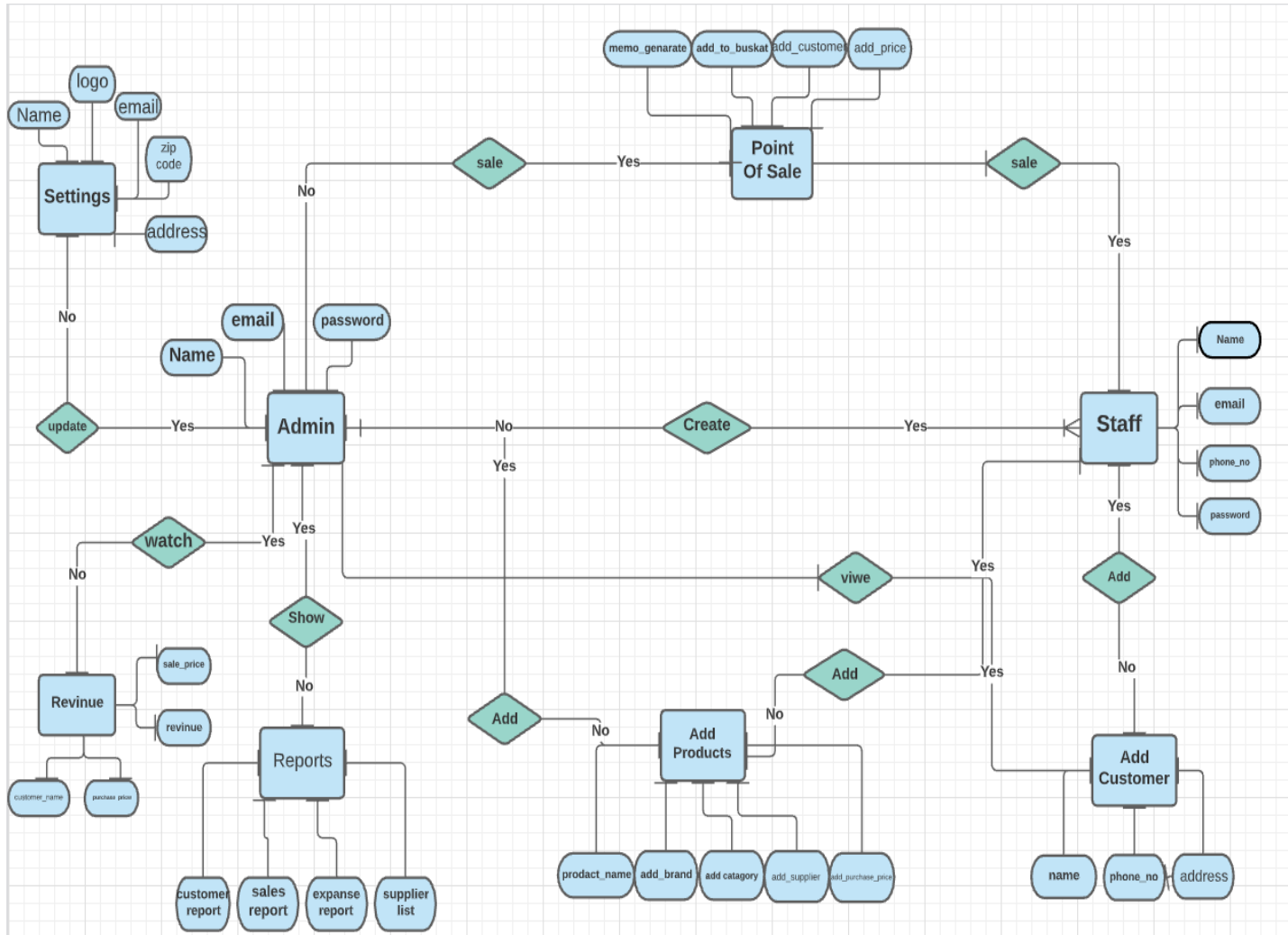


Figure: ER Diagram

## 4.4 Activity Diagram

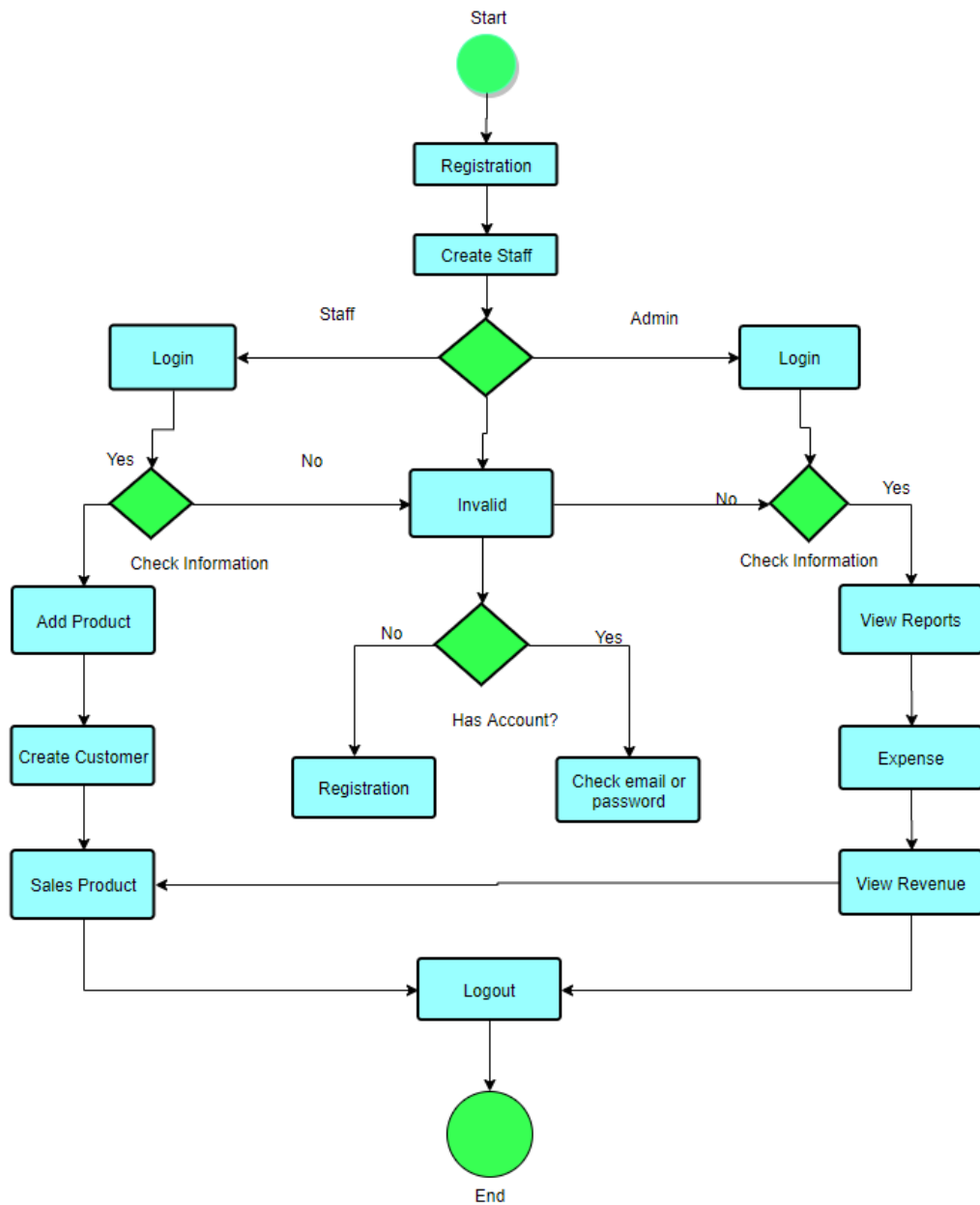
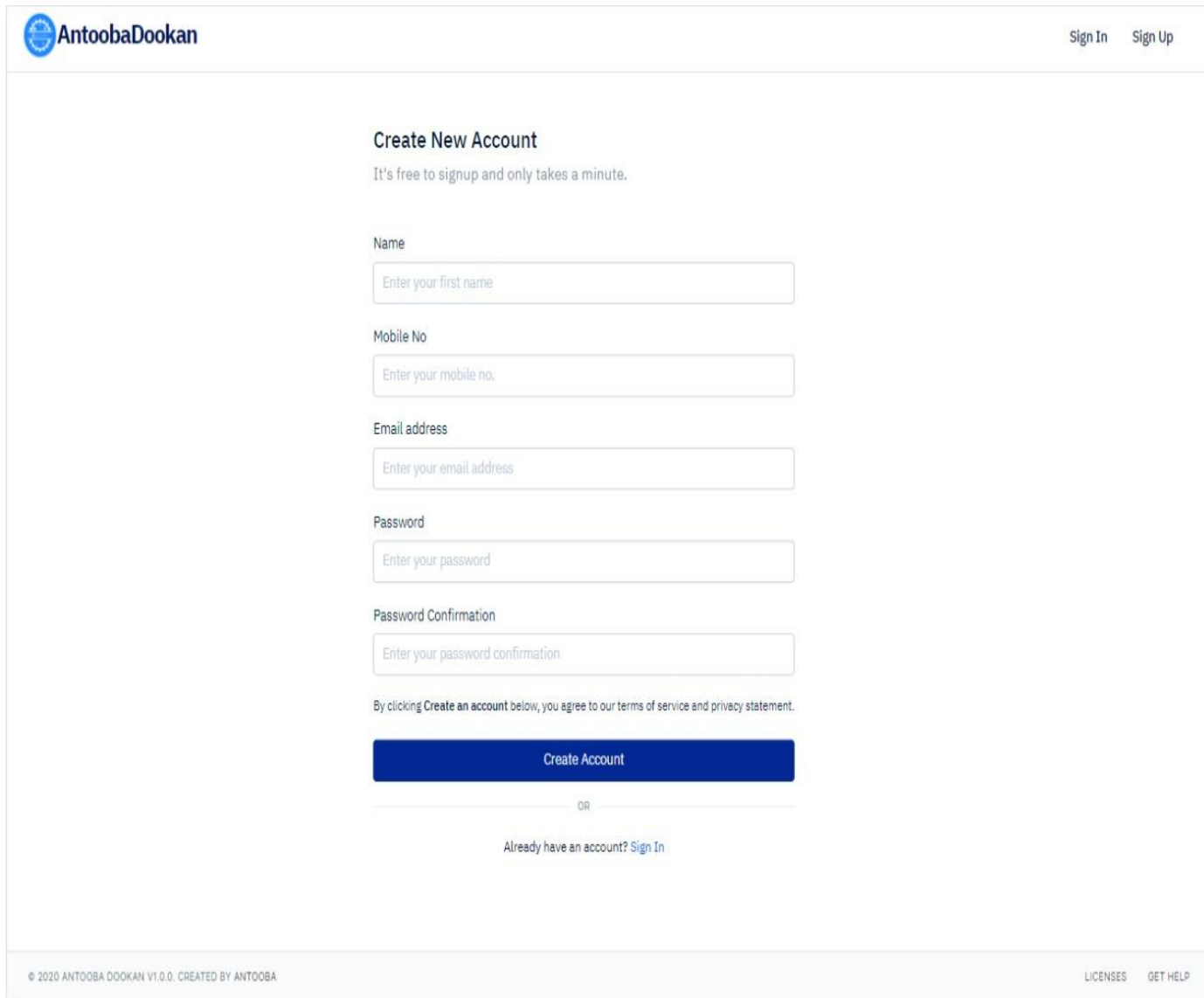


Figure : Activity Diagram

## 4.5 User Interface

### ❖ Registration Page



The screenshot displays the registration interface for AntoobaDookan. At the top left is the AntoobaDookan logo, and at the top right are links for 'Sign In' and 'Sign Up'. The main heading is 'Create New Account', followed by the subtext 'It's free to signup and only takes a minute.' The form consists of five input fields: 'Name' (placeholder: 'Enter your first name'), 'Mobile No' (placeholder: 'Enter your mobile no.'), 'Email address' (placeholder: 'Enter your email address'), 'Password' (placeholder: 'Enter your password'), and 'Password Confirmation' (placeholder: 'Enter your password confirmation'). Below these fields is a disclaimer: 'By clicking Create an account below, you agree to our terms of service and privacy statement.' A prominent blue 'Create Account' button is centered below the disclaimer. Underneath the button is a horizontal line with the text 'OR' in the center. At the bottom of the form area, it says 'Already have an account? [Sign In](#)'. The footer contains the copyright notice '© 2020 ANTOOBA DOOKAN V1.0.0. CREATED BY ANTOOBA' on the left and links for 'LICENSES' and 'GET HELP' on the right.

Figure 4.1 Registration Page

This is registration page. Here admin must give his/her valid information.

## ❖ Login Page

Antooba Dookan

Sign In

### Sign In

Welcome back! Please signin to continue.

Email address / Phone no.

Password [Forgot password?](#)

Sign In

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[LICENSES](#) [GET HELP](#)

Figure 4.2 Login Page

This login page of our application. After giving mail or phone number and password you will send to the next page. If you are admin then you will access all functions. If not then you will access only limited functions that admin select for you.

## ❖ Dashboard

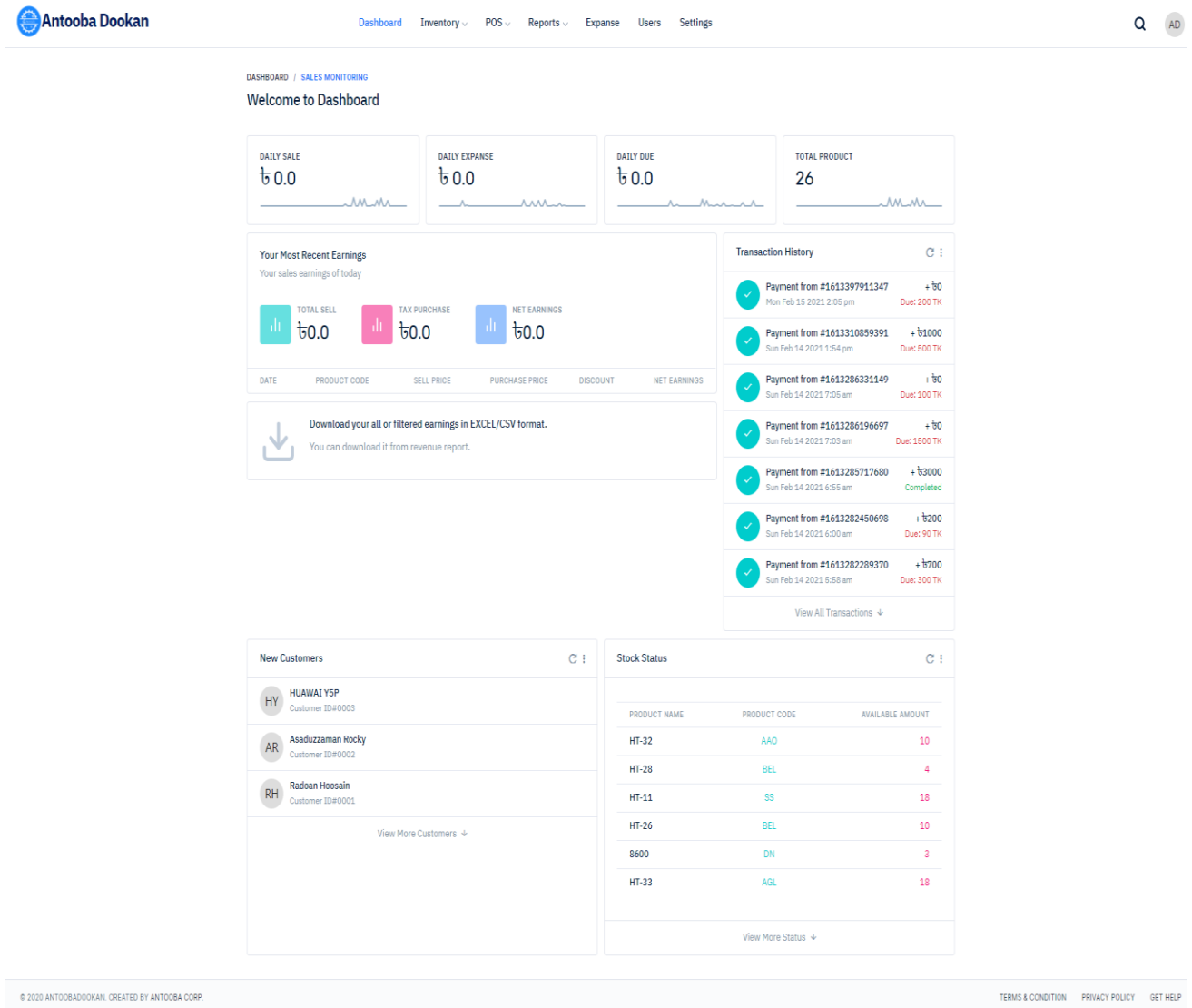


Figure 4.3 Dashboard

This is dashboard of our desktop application. In this dashboard owner can see his business daily activity. The features of this dashboard is daily sale ,daily expense, daily due, total product. Also shows recent transaction history , recent earning chart, stock status, and also new customer, Owner can easily know his todays business condition by viewing dashboard.

## ❖ Product Category

The screenshot shows the 'Product Category' management page in the Antooba Dookan system. The header includes the Antooba Dookan logo and navigation links: Dashboard, Inventory (selected), POS, Reports, Expense, Users, and Settings. A search icon and a user profile icon are also present.

The main content area is titled 'Category of product usually you sell.' and includes three action buttons: '+ ADD NEW', 'PRINT', and 'DOWNLOAD EXCEL'. Below the title is a dropdown menu set to '10 items/page' and a search bar labeled 'Search...'. A table displays the product categories:

Name	Description	Action
BARPHONE		<a href="#">Edit</a> <a href="#">Delete</a>
CABLE		<a href="#">Edit</a> <a href="#">Delete</a>
Charger		<a href="#">Edit</a> <a href="#">Delete</a>

Below the table, it indicates 'Showing 1 to 3 of 3 entries' and a pagination control with 'Previous', '1' (selected), and 'Next' buttons.

The footer contains the copyright notice '© 2020 ANTOOBADOOKAN. CREATED BY ANTOOBA CORP.' and links for 'TERMS & CONDITION', 'PRIVACY POLICY', and 'GET HELP'.

Figure 4.4 Product Category

On this page, the user will see the product category with the product name and description. Users can add new categories, edit category and also delete categories. Users also can print the category page and download excel sheet.

## ❖ Product Brand

The screenshot shows the 'Product Brand' management page in the Antooba Dookan system. The page header includes the Antooba Dookan logo and a navigation menu with links to Dashboard, Inventory, POS, Reports, Expense, Users, and Settings. The main content area is titled 'Brand of product usually you sell.' and features a '+ ADD NEW' button, a 'PRINT' button, and a 'DOWNLOAD EXCEL' button. Below the title, there is a search bar and a dropdown menu for 'items/page' set to 10. A table displays the product brands with columns for Name, Image, Available Product, Description, and Action. The table contains three entries: Halima telecom, LAVA, and M/S SR BUSINESS POINT. The footer of the page includes copyright information and links to Terms & Condition, Privacy Policy, and Get Help.

INVENTORY / BRAND LIST

Brand of product usually you sell.

+ ADD NEW PRINT DOWNLOAD EXCEL

10 items/page Search...

Name	Image	Available Product	Description	Action
Halima telecom		18		<a href="#">Edit</a> <a href="#">Delete</a>
LAVA		3		<a href="#">Edit</a> <a href="#">Delete</a>
M/S SR BUSINESS POINT		5		<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 3 of 3 entries Previous 1 Next

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Figure 4.5 Product Brand

On this page, the user will see the product brand with product name, description, image and available product. Users can add new brand, edit brand and also delete brand. Users also can print the brand page and download excel sheet.



## ❖ Add New Product

Antooba Dookan

Dashboard Inventory POS Reports Expense Users Settings

INVENTORY / ADD NEW PRODUCT

← BACK

Add new product to your system or shop.

Code(s) \*

Codes/IMEI codes

Name \* Supplier

Name Please select a supplier

Category Brands

Please select a category Please select a brand

Image / Logo Last purchase voucher code. Number of product you have.

Choose File No file chosen Voucher Code Quantity

Purchase Price \* Sell Price \* Warranty Type

Purchase Price Sell Price Please select a warranty type

Description

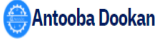
Cancel Save changes

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Figure 4.6 Add New Product

On this page user can add new products with code ,name , select supplier name , select categories ,select brands, add image or logo, add voucher code , quantity, purchase price, sell price ,warranty (lifetime, monthly or no warranty ) and description (not mandatory) .

## ❖ Product List






















Dashboard Inventory POS Reports Expense Users Settings
Q AD

INVENTORY / PRODUCT LIST

Products that you usually you sell & buy.

+ ADD NEW
PRINT
DOWNLOAD EXCEL

10 items/page
Search...

Name	Code	Category	Brand	Image	Purchase Price	Sell Price	Discount Type	Discount Amount	Warranty Type	Action
3.1 Cable	BBL	CABLE	M/S SR BUSINESS POINT		115 TK	135 TK			No warranty	 
8600	DN	Charger	Halima talecom		63 TK	70 TK			Monthly	 
AUTO CHARGER	EO	Charger	Halima talecom		70 TK	85 TK			Monthly	 
G-12	BAL	Charger	Halima talecom		125 TK	160 TK			Monthly	 
G-12	BAL	Charger	Halima talecom		125 TK	160 TK			Monthly	 
HT-11	SS	Charger	Halima talecom		88 TK	100 TK			Monthly	 
HT-22	AHO	Charger	Halima talecom		190 TK	250 TK			Monthly	 
HT-25	BDO	Charger	Halima talecom		160 TK	200 TK			Monthly	 
HT-26	BEL	Charger	Halima talecom		175 TK	220 TK			Monthly	 
HT-28	BEL	Charger	Halima talecom		175 TK	200 TK			Monthly	 

Showing 1 to 10 of 26 entries

Previous 1 2 3 Next

Figure 4.7 Product List

On this page can see product list with name, code, category, brand, image, purchase price, sell price, discount type, discount amount, warranty type. Users can add new product, edit product, delete product and also can print the bar code. Users also can print the products page and download excel sheet.

## ❖ Add Stock

INVENTORY / STOCK IN CREATE

← BACK

Add new product to your system or shop.

Supplier: Choose one

Product: Choose one

Date: mm/dd/yyyy

Quantity: Quantity

Purchase voucher code: Voucher Code

Unit: PCS

Purchase Price: Purchase Price

Sell Price: Sell Price

Warranty Type: Please select a warranty type


Cancel Save changes

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Figure 4.8 Add Stock

On this page user can add new product to his/her system. Select supplier name, select product, add date, add quantity, purchase voucher code, product unit, add purchase price, add sell price, and select warranty type. Press save changes and product will be update on stock.

## ❖ Stock Suttas



DashboardInventory▼POS▼Reports▼ExpenseUsersSettings

QAD

INVENTORY / STOCK STATUS

Products and stock situation of your shop is bellow. It's time to take action!!!!

+ STOCK IN

PRINT

DOWNLOAD EXCEL

10 items/page

Search...

Name	Code	Quantity	Purchase Price	Sell Price	Discount Type	Discount Amount	Warranty Type
3.1 Cable	BBL	3	115 TK	135 TK			No warranty
8600	DN	3	63 TK	70 TK			Monthly
AUTO CHARGER	EO	6	70 TK	85 TK			Monthly
G-12	BAL	7	125 TK	160 TK			Monthly
G-12	BAL	7	125 TK	160 TK			Monthly
HT-11	SS	18	88 TK	100 TK			Monthly
HT-22	AHO	7	190 TK	250 TK			Monthly
HT-25	BDO	12	160 TK	200 TK			Monthly
HT-26	BEL	10	175 TK	220 TK			Monthly
HT-28	BEL	4	175 TK	200 TK			Monthly

Showing 1 to 10 of 26 entries

Previous

1

2

3

Next

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Figure 4.9 Stock Statuus

In this page user can watch stock status. Products and stock situation of his/her shop. Products name, quantity and others information available in this page. User can add product by pressing stock in button. Also print product status and can download excel file.

## ❖ Supplier List

Antooba Dookan

Dashboard Inventory POS Reports Expense Users Settings

INVENTORY / SUPPLIER LIST

Person / Company who supply product for you.

+ ADD NEW PRINT DOWNLOAD EXCEL

10 items/page Search...

Name	Phone no	Email	Note	Address	Action
M/S SR BUSINESS POINT	01712787806				
Moyin Enterprise	01718992514				

Showing 1 to 2 of 2 entries

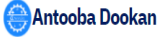
Previous 1 Next

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Figure 4.10 Supplier List

This is supplier list page. In this page user can add supplier to his/her name, phone number by pressing add new button and also other field available like email, address, note but those are not mandatory. Also, can edit supplier data and delete suppliers. User can print and download supplier list.

## ❖ Customer List



DashboardInventory▼POS▼Reports▼ExpenseUsersSettings

QAD

INVENTORY / CUSTOMER LIST

All customer you regularly or irregularly sell product is here.




+ ADD NEW

PRINT

DOWNLOAD EXCEL

10 items/page

Search...

Name	Phone No.	Total Purchased (TK)	Total Due (TK)	Email	Image	Note	Action
Asaduzzaman Rocky	01714722651	3500 TK	1700 TK				\$ @ [ ]
HUAWAI Y5P	01533505137	0 TK	0 TK				\$ @ [ ]
Radoan Hoosain	+8801788783649	1900 TK	890 TK				\$ @ [ ]

Showing 1 to 3 of 3 entries

Previous1Next

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### 4.11 Customer List

This is customer list page. In this page user can add customer to his/her name and phone number by pressing add new button. In this page user can watch customer details due amount and others information. If any customer pay his/her due then press the dollar sign (\$) button and add his/her paying amount and date. System will automatic calculate his/her amount with previous dues. User can also edit and delete customer in this page. Also can print the page and download the excel file.

## ❖ Point Of Sell

Antoolba Dookan

DashboardInventoryPOSReportsExpenseUsersSettings

FILTER PRODUCT

Product Categories

Charger (23)

CABLE (2)

BARPHONE (3)

Brands

Madame telecom (38)

M/S SR BUSINESS POINT (5)

LAVA (3)

POS / POINT OF SELL

Product from your store

All product from your store is here. You can filter by sidebar menu.

Search

HT-32

AEI

P: 300 TK

DE: %

W Monthly

S.S.: 10

Add To Basket

HT-28

BEI

P: 200 TK

DE: %

W Monthly

S.S.: 4

Add To Basket

HT-11

SS

P: 100 TK

DE: %

W Monthly

S.S.: 18

Add To Basket

HT-26

SEI

P: 220 TK

DE: %

W Monthly

S.S.: 10

Add To Basket

B600

DN

P: 70 TK

DE: %

W Monthly

S.S.: 3

Add To Basket

HT-33

AGI

P: 300 TK

DE: %

W Monthly

S.S.: 18

Add To Basket

N70

DW

P: 70 TK

DE: %

W Monthly

S.S.: 3

Add To Basket

HT-OC1

SAO

P: 400 TK

DE: %

W Monthly

S.S.: 10

Add To Basket

HT-22

ANO

P: 250 TK

DE: %

W Monthly

S.S.: 7

Add To Basket

HT-30

AOD

P: 250 TK

DE: %

W Monthly

S.S.: 2

Add To Basket

HYT-31

ANO

P: 270 TK

DE: %

W Monthly

S.S.: 4

Add To Basket

HT-35

ANO

P: 300 TK

DE: %

W Monthly

S.S.: 2

Add To Basket

AUTO CHARGER

EO

P: 85 TK

DE: %

W Monthly

S.S.: 6

Add To Basket

HT-29

AOD

P: 240 TK

DE: %

W Monthly

S.S.: 9

Add To Basket

HT-25

BDO

P: 200 TK

DE: %

W Monthly

S.S.: 12

Add To Basket

G-12

SAI

P: 160 TK

DE: %

W Monthly

S.S.: 7

Add To Basket

G-12

SAI

P: 160 TK

DE: %

W Monthly

S.S.: 7

Add To Basket

T-10

BOO

P: 240 TK

DE: %

W Monthly

S.S.: 13

Add To Basket

T-23

AAO

P: 260 TK

DE: %

W Monthly

S.S.: 6

Add To Basket

T-24

AAO

P: 260 TK

DE: %

W Monthly

S.S.: 10

Add To Basket

3.1 Cable

BEI

P: 135 TK

DE: %

W No warranty

S.S.: 3

Add To Basket

L30

399200

P: 2000 TK

DE: %

W No warranty

S.S.: 1

Add To Basket

lava c30

352481130298609

P: 1500 TK

DE: %

W No warranty

S.S.: Stock Out

Add To Basket

Test product

2008230002

P: 250 TK

DE: %

W Monthly

S.S.: Stock Out

Add To Basket

lava c30

35246113029860935246113030996

P: 1500 TK

DE: %

W No warranty

S.S.: Stock Out

Add To Basket

SAMSUNG METRO 350

35246113030996

P: 1500 TK

DE: %

W Lifetime

S.S.: Stock Out

Add To Basket

Select Customer or Add New

Choose one

#

Name

Quantity

Price

Warranty To

Action

Total Quantity0Total Price0 TK

Payment option

Amount paid

Discount

Payment Method

Amount paid

TK

Discount

TK

Cash

Amount Due: 0

Amount to Return: 0

Ignore Due? ☐ Check this to consider due as special discount.

PLACE ORDER

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Figure 4.12 Point Of Sell

25

@Daffodil International University

Select Customer or [Add New](#)

Choose one
▼

#	Name	Quantity	Price	Warranty To	Action
Total Quantity				Total Price	
0				0 TK	

Payment option

Amount paid	Discount	Payment Method
<div> Amount paid TK </div>	<div> Discount TK </div>	<div> Cash ▼ </div>

Amount Due: 0  
Amount to Return: 0

Ignore Due?
☐ Check this to consider due as special discount.

PLACE ORDER

Figure 4.13 Memo



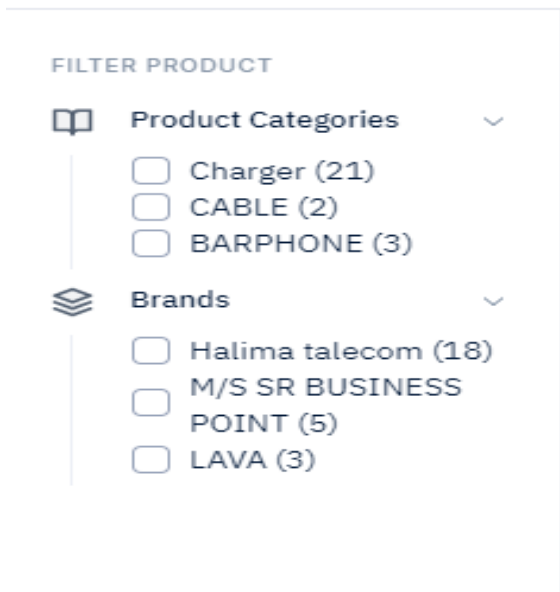



Figure 4.14 Filter Product

This is point of sell page. The products on left side are sorted by brand and category wise. User can filter the product by sidebar menu. In the middle part the products are arranged in the form of baskets. User can select the product and product will add to the menu section. Here is search option. User can search a product to its name or id. Also, user can watch product name, price, warranty and quantity in this section. In the right part of this page is menu card. At first select customer name, if customer is new then press add new button then type customer name and phone number (other fields is not mandatory) and add new customer to the customer list. Then choose customer name, select product that customer want (press add to basket option). System will calculate all the amount. If selected product is warranty type then an extra field will add this menu card, you need to select product warrants. Then prese the place order option and print the cash memo. System will save all the data. There is an extra option name 'Ignore Due', if user want to give an extra discount to his/her customer but don't want to add those money as a due then press this option. Cash memo will print the full money that the product has but in daily sale only received money will be adding.

## ❖ Order List



DashboardInventory ▾POS ▾Reports ▾ExpenseUsersSettings

QAD

POS / ORDER LIST

[+ ADD NEW](#)[PRINT](#)[DOWNLOAD EXCEL](#)

10 items/page

Search...

Customer Name	Customer Phone No.	Date	Amount Paid	Due	To return	Payment Method	Products	Action
Asaduzzaman Rocky	01714722651	Mon Feb 15 2021	0 TK	200 TK	0 TK	Cash		
Asaduzzaman Rocky	01714722651	Sun Feb 14 2021	0 TK	1500 TK	0 TK	Cash		
Asaduzzaman Rocky	01714722651	Sun Feb 14 2021	3500 TK	0 TK	500 TK	Cash		
HUAWAI Y5P	01533505137	Sun Feb 14 2021	0 TK	100 TK	0 TK	Cash		
Radoan Hoosain	+8801788783649	Sun Feb 14 2021	1000 TK	500 TK	0 TK	Cash		
Radoan Hoosain	+8801788783649	Sun Feb 14 2021	200 TK	90 TK	0 TK	Cash		
Radoan Hoosain	+8801788783649	Sun Feb 14 2021	700 TK	300 TK	0 TK	Cash		

Showing 1 to 7 of 7 entries

Previous1Next

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Figure 4.15 Order List

On this page user can see order history. Customer name, phone number, porches date, amount that paid, due, return amount all history user can see in this section. Also, can edit, delete and print.

## ❖ Customer Report

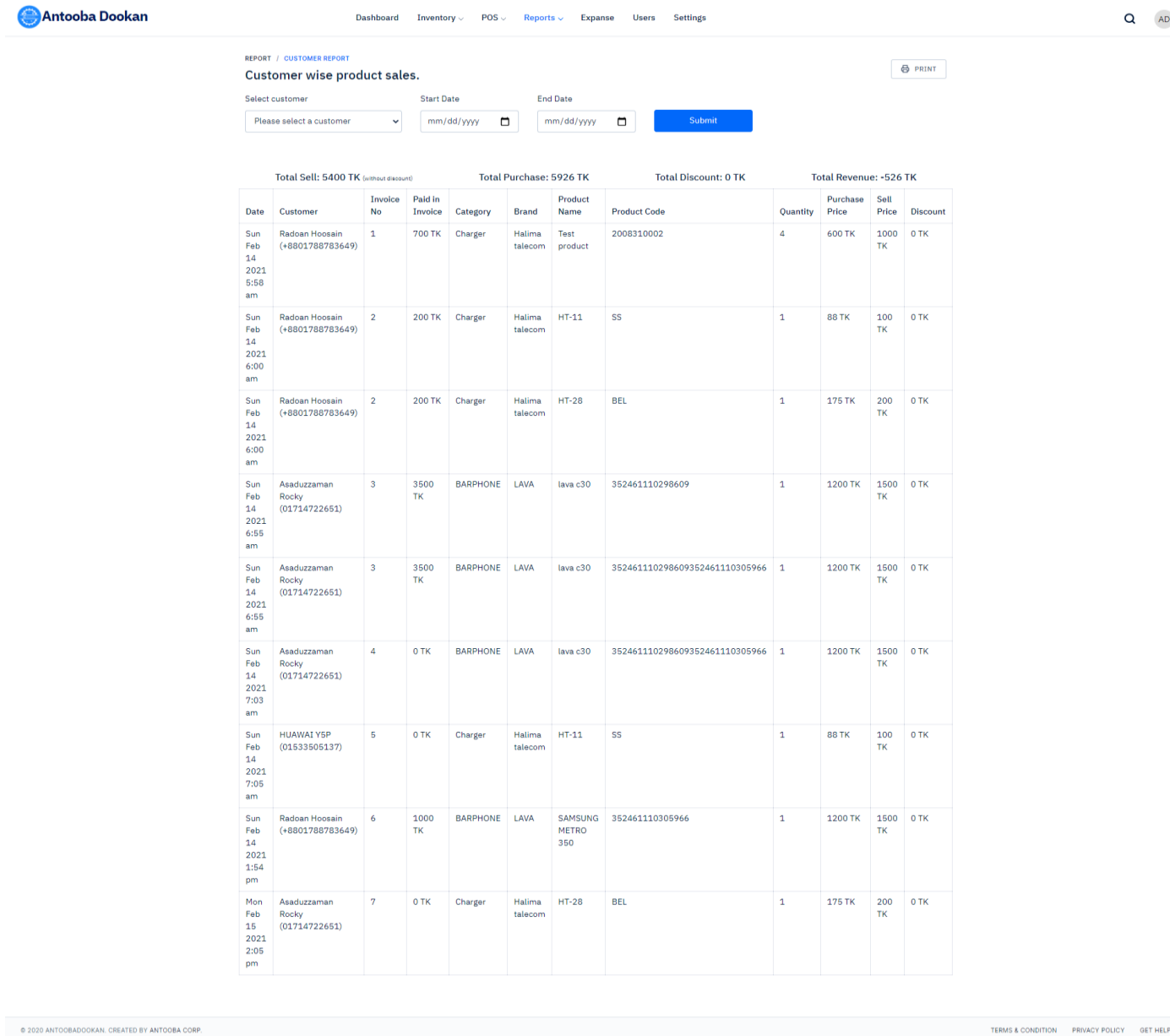



Figure 4.16 Customer Report

This is customer report page. User can see his/her customers details in this section. If owner or user need to check date wise customer history then select date and press submit button .Also user can search a single customer history by select customer name on customer field. In this section user can see customer wise product sales report.

## ❖ Purchase & Due Report



DashboardInventory ▾POS ▾Reports ▾ExpenseUsersSettings

QAD

REPORT / PURCHASE & DUE REPORT

PRINT

Customer wise Purchase & Due Report.

Select customer

Please select a customer ▾

Submit

Total Due: 2590 TK

Customer Name	Customer Phone	Customer Email	Customer NID	Purchase Amount	Due Amount
HUAWAI Y5P	01533505137			0 TK	0 TK
Asaduzzaman Rocky	01714722651			3500 TK	1700 TK
Radoan Hoosain	+8801788783649			1900 TK	890 TK


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Figure 4.17 Purchase & Due Report

This is customer purchase and due report page. In this page user can view customers purchase amount and due amount. If user need to find any specific customer due report view then select customer name and press search button. User can print the page and collect the data of a page.


## ❖ Expense Report



DashboardInventory ▾POS ▾Reports ▾ExpenseUsersSettings

QAD

REPORT / EXPENSE REPORT

 PRINT

Your expense report from recorded in this system is here.

Select Created By

Please select a use ▾


Select Updated By

Please select a use ▾


Enter type

Enter Type

Start Date

mm/dd/yyyy 

End Date

mm/dd/yyyy 

Submit

Total Expense: 1000 TK

Created By	Created At	Updated By	Updated At	Date	Type	Amount	Purpose
Admin	Sun Feb 14 2021 7:15 am	Admin	Sun Feb 14 2021 7:15 am	Sun Feb 14 2021	customer	1000 TK	sell

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Figure 4.18 Expense Report

This is expense report page. In this page User can view all the expense report of the shop. Also, can search expense report by date.

## ❖ Revenue Report

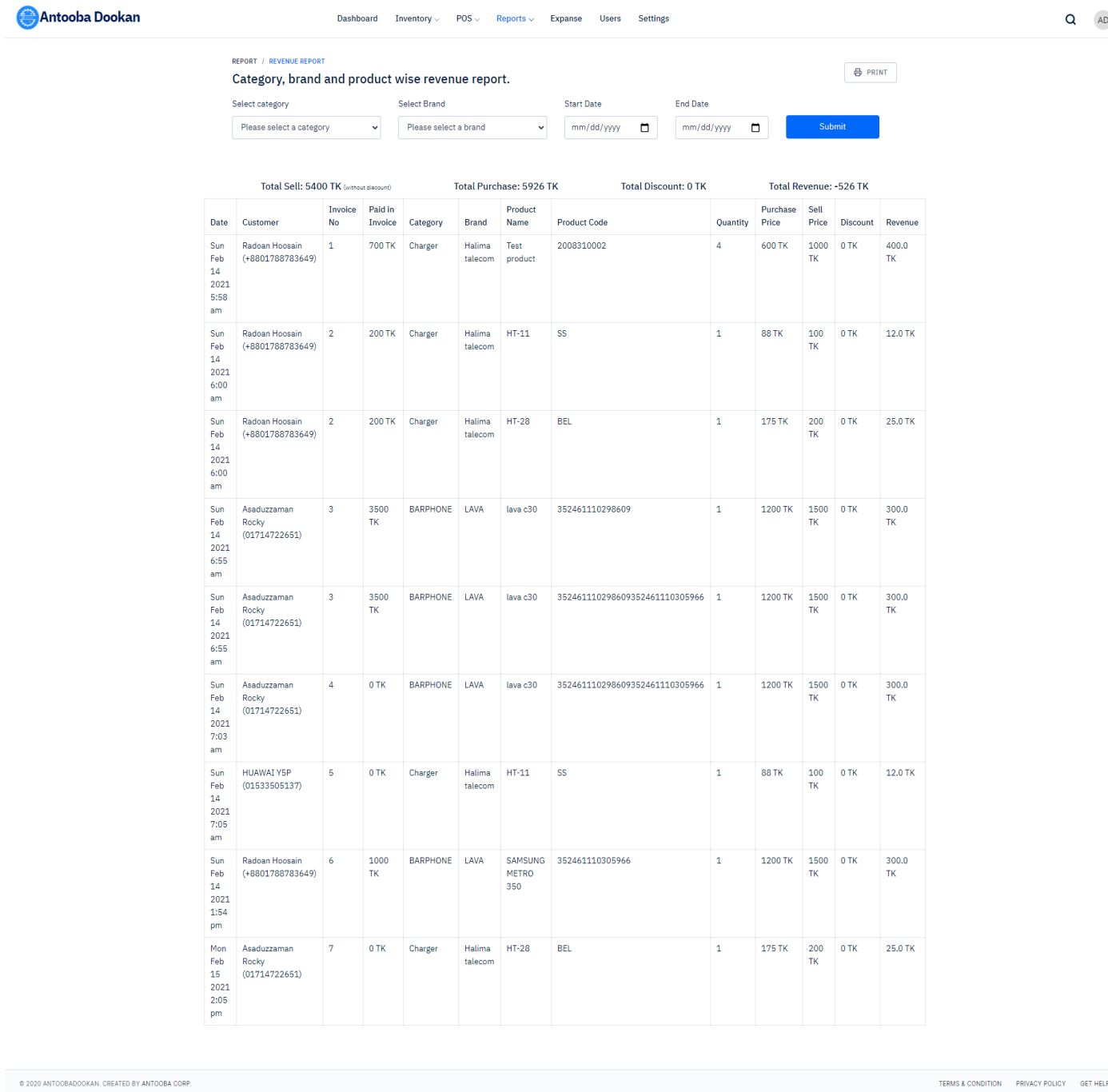


Figure 4.19 Revenue Report

This is revenue report page. In this page owner or user can view the revenue of products that customers purchased.

## ❖ Sales Report

Dashboard Inventory POS Reports Expense Users Settings

REPORT / SALES REPORT

### Category and brand wise product sales report.

PRINT

Select category

Select Brand

Start Date

End Date

Please select a category

Please select a brand

mm/dd/yyyy

mm/dd/yyyy

Submit

Total Sell: 24085 TK

Total Discount: 10 TK

Date	Customer	Invoice No	Paid in Invoice	Category	Brand	Product Name	Product Code	Quantity	Sell Price	Discount
Mon Feb 15 2021 2:30 pm	Test Customer (+8801788783649)	1	0 TK	Charger	HTE	Q-41	BDS	1	190 TK	0 TK
Mon Feb 15 2021 2:47 pm	Sarder Varaitis Stores (01711147096)	2	340 TK	Charger	HTE	Q-01(8600)	DL	5	340 TK	0 TK
Mon Feb 15 2021 2:59 pm	MUTHOFONE (043161284)	3	0 TK	Power Bank	HTE	Q-72 EXCLUSIVE	SOO	1	910 TK	0 TK
Mon Feb 15 2021 2:59 pm	MUTHOFONE (043161284)	3	0 TK	Power Bank	HTE	Q-71	NGO	1	345 TK	0 TK
Mon Feb 15 2021 2:59 pm	MUTHOFONE (043161284)	3	0 TK	Charger	HTE	Q-62	ADO	5	1300 TK	0 TK
Mon Feb 15 2021 2:59 pm	MUTHOFONE (043161284)	3	0 TK	Charger	HTE	QC-70	NAL	5	1625 TK	0 TK
Mon Feb 15 2021 2:59 pm	MUTHOFONE (043161284)	3	0 TK	Charger	HTE	Q-41	BDS	5	950 TK	0 TK

Figure 4.20 Sales Report

This is sales report page. In this page user can see category and brand wise product sales report. User can also see a single product sales report. Owner or user can easily know his/her most demanding product.

## ❖ Stock Report

Antooba Dookan

Dashboard
Inventory
POS
Reports
Expense
Users
Settings

Q
AD

REPORT / STOCK REPORT

Category, brand and product wise stock report.

PRINT

Select category

Please select a category

Select Brand

Please select a brand

Start Date

mm/dd/yyyy

End Date

mm/dd/yyyy

Submit

Date	Category	Brand	Product Name	Product Code	Quantity	Purchase Price	Sell Price	Discount
Thu Feb 11 2021			Item deleted			150 TK	250 TK	
Thu Feb 11 2021			Item deleted		10	160 TK	250 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-32	AAO	10	220 TK	300 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-28	BEL	6	175 TK	200 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-11	SS	21	88 TK	100 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-26	BEL	10	175 TK	220 TK	
Thu Feb 11 2021	Charger	Halima talecom	8600	DN	3	63 TK	70 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-33	AGL	15	245 TK	300 TK	
Thu Feb 11 2021	Charger	Halima talecom	N70	DN	3	63 TK	70 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-QC1	NAO	10	320 TK	400 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-22	AHO	7	190 TK	250 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-30	AOO	2	200 TK	250 TK	
Thu Feb 11 2021	Charger	Halima talecom	HYT-31	ANO	4	230 TK	270 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-35	ANO	2	230 TK	300 TK	
Thu Feb 11 2021	Charger	Halima talecom	AUTO CHARGER	EO	6	70 TK	85 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-29	AOO	9	200 TK	240 TK	
Thu Feb 11 2021	Charger	Halima talecom	HT-25	BDO	12	160 TK	200 TK	
Thu Feb 11 2021	Charger	Halima talecom	G-12	BAL	7	125 TK	160 TK	
Thu Feb 11 2021	Charger	Halima talecom	G-12	BAL	7	125 TK	160 TK	
Thu Feb 11 2021	Charger	M/S SR BUSINESS POINT	T-10	B50	13	180 TK	240 TK	
Thu Feb 11 2021	Charger	M/S SR BUSINESS POINT	T-23	AAO	6	220 TK	260 TK	
Thu Feb 11 2021	Charger	M/S SR BUSINESS POINT	T-24	AAO	10	220 TK	260 TK	
Thu Feb 11 2021	CABLE	M/S SR BUSINESS POINT	3.1 Cable	BBL	3	115 TK	135 TK	
Sat Feb 13 2021	CABLE	M/S SR BUSINESS POINT	L30	359100	1	1500 TK	2000 TK	
Sat Feb 13 2021	BARPHONE	LAVA	lava c30	352461110298609	1	1200 TK	1500 TK	
Sun Feb 14 2021	Charger	Halima talecom	Test product	2008310002	5	150 TK	250 TK	
Sun Feb 14 2021	BARPHONE	LAVA	lava c30	352461110298609352461110305966	3	1200 TK	1500 TK	
Sun Feb 14 2021	BARPHONE	LAVA	SAMSUNG METRO 350	352461110305966	1	1200 TK	1500 TK	

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Figure 4.21 Stock Report

This is stock report page. In this page owner or user cab see his/her product



entry date, quantity and others report. If anyone deletes any product, the owner can also see this. User can search a product by select product name or if he/she wants to know the date-wise product entry report then select the date and press the search option.

## ❖ User List


The screenshot displays the 'User List' page in the Antooba Dookan system. The page header includes the logo and navigation links: Dashboard, Inventory, POS, Reports, Expense, Users, and Settings. The main content area shows a message 'User who are using this system is here.' and a table with one user entry. The table has columns for Name, Email, Phone no, and Action. The 'Admin' user is listed with email 'admin@gmail.com' and phone number '01910222187'. There are buttons for '+ ADD NEW' and 'PRINT' at the top right. A search bar is also present. The footer shows copyright information and links for Terms & Condition, Privacy Policy, and Get Help.

Name	Email	Phone no	Action
Admin	admin@gmail.com	01910222187	

Figure 4.22 User List

This is user management page. In this page admin can add multiple user. Also can set roles of user.

# ❖ Settings

 Antooba Dookan

DashboardInventory ▾POS ▾Reports ▾ExpenseUsersSettings

QAD

SETTINGS / SETTING

Your system setting is here. You can change anytime.

NAME


Antooba Dookan

LOGO

Choose File

No file chosen

Previous LOGO



CONTACT NUMBERS

43162054

EMAIL

STREET ADDRESS

POST OFFICE

UPZILA

ZIP CODE

DISTRICT

Cancel

Save changes

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Figure 4.23 Settings

This is settings page of our application. You just need to add your shop name, logo and others details. Name, logo, phone number and address will be printed on the menu card.

## **CHAPTER 5**

### **Testing and evaluation**

#### **5.1 Testing**

Testing is an important term of every application. After developing the system, there are many bugs that need to solve. You need to find those bugs. To find those bugs and solve them we use some testing methods.

#### **5.2 Testing list**

1. Function Testing
2. Usability Testing
3. Interface Testing
4. Database Testing
5. Load Testing
6. Performance Testing
7. Security testing

**Some of the testing part discuss below:**

##### **5.2.1 Functionality Testing**

FUNCTIONAL TESTING is a type of software testing that validates the software system against the functional requirements/specifications. The purpose of Functional tests is to test each function of the software application, by providing appropriate input, verifying the output against the Functional requirements.

Test Forms are working as probable. That will include-

- ✓ If a user doesn't fill up the mandatory field, then it will show error message.
- ✓ Products add successfully.
- ✓ Selected product adds to memo successfully.
- ✓ Dashboard works properly.
- ✓ Daily sale, expense dur, earning works properly.
- ✓ All reports generate successfully.
- ✓ Customer add successfully.
- ✓ All data save properly.

Test Cookies are working as expected. When cash is deleted cookies are also deleted.

### **5.2.2 Usability Testing**

Usability testing, a non-functional testing technique that is a measure of how easily the system can be used by end users. Usability testing checks the system speed, product scanning time, memo generate option, print memo quickly and properly etc. It also ensures the system is user friendly.

### **5.2.3 Database Testing**

Database testing is also an important part of our application.

- ✓ Check all the data that saved in database.
- ✓ Check brand, category, products, supplier data that all are saved or not.
- ✓ Its check the response time of query.

### **5.2.4 Performance Testing**

Software quality depends on its performance. High quality software provides high quality performance. So performance increases software quality.

- ✓ Application response time, it depend on internet speeds.
- ✓ Loading time reduce for server-side.
- ✓ Data backup system because of application crash due to maximum load.

### **5.2.5 Security testing**

To satisfy our valuable clint security testing is an important part. Admin site and staff site is different so staff can't see all the important document of the shop.

Some steps of this part are :

- ✓ Admin can access staff page but staff can't.
- ✓ Data security.
- ✓ No one can access the system without admin permission.

## **CHAPTER 6**

### **Conclusion and future work**

#### **6.1 Goal**

The main object of our project is to make the business process easier. To bring a touch of modernity in every business by eliminating the tradition of tail khata. Transparency can be maintained and long-term accounting can be done. As a result, the business will prosper. Our goal is to modernize every small to large business.

## 6.2 Limitation

- It doesn't have multiple shop management.
- One time sing up/registration system,

## 6.3 Future work Plan

- Add employee management system.
- Add bank account to this system.
- Provide specific user history.

## 6.4 Conclusion

**Antooba Bookan** is a shop management system, it can be used both online and offline. Accurate business accounts, long-term accounts can be saved. It will help to maintain the business transparency of the employee and the owner. The owner will be able to view the current status of his business and manage the business from anywhere in online. With this software an owner will be able to manage multiple business. It will help in the growth and speed of business.