

# **Compact ERP System for Small Business**

**BY**

**Md. Mustafizur Rahman**  
**ID: 203-25-922**

This Report Presented in Partial Fulfillment of the Requirements for the Degree of  
M.Sc. in Computer Science & Engineering.

Supervised By

**Mr. Abdus Sattar**  
Assistant Professor  
Department of CSE  
Daffodil International University



**DAFFODIL INTERNATIONAL UNIVERSITY**

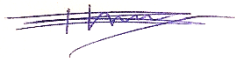
**DHAKA, BANGLADESH**

**January 2022**

## APPROVAL

This Project titled “Compact ERP System for Small Business”, submitted by Md Mustafizur Rahman, ID No: 203-25-922 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of M.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on Jan 22, 2022

### BOARD OF EXAMINERS

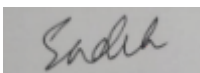


**Chairman**

---

**Dr. Touhid Bhuiyan**  
**Professor and Head**

Department of Computer Science and Engineering  
Faculty of Science & Information Technology  
Daffodil International University



**Internal Examiner**

---

**Md. Sadekur Rahman (SR)**  
**Assistant Professor**

Department of Computer Science and Engineering  
Faculty of Science & Information Technology  
Daffodil International University



**Internal Examiner**

---

**Moushumi Zaman Bonny**  
**Assistant Professor**

Department of Computer Science and Engineering  
Faculty of Science & Information Technology  
Daffodil International University



**External Examiner**

---

**Dr. Shamim H Ripon**  
**Professor**

Department of Computer Science and Engineering  
East West University

## DECLARATION

We hereby declare that, this project has been done by me under the supervision of **Mr. Abdus Sattar, Assistant Professor, 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.

**Supervised by:**



---

**Mr. Abdus Sattar**  
Assistant Professor  
Department of CSE  
Daffodil International University

**Submitted by:**



---

**Md Mustafizur Rahman**  
ID: 203-25-922  
Department of CSE  
Daffodil International University

## ACKNOWLEDGEMENT

First, I express our heartiest thanks and gratefulness to almighty God for His divine blessing makes me possible to complete the final project successfully.

I really grateful and wish our profound our indebtedness to **Mr. Abdus Sattar, Assistant Professor, Department of CSE Daffodil International University**, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of “**Web & Mobile Apps Development**” to carry out this project. Her endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior drafts and correcting them at all stage have made it possible to complete this project.

I would like to express our heartiest gratitude to Professor and Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University. We would also like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

## **ABSTRACT**

The project is a small ERP system that will help the small business owner to maintain their business and day to day activities. The main goal of the project is to bring the software technology in the hands of small business owners and introduce them with the benefits of software automation. The software will help them in their day to day activities like selling, purchasing, production, maintaining all their employees, all their vendors, all their customers and many more. The software will store all their financial transaction related information like from purchasing the product, to selling it, all the information will be stored in the software. The software will also help them to calculate the VAT and also help the maintaining the Company expenses. The software will be helpful for them to calculate their daily expenses and also calculate their profit and loss and also help them to manage their stock and customer and vendor information. Thus improving their management of the shop and improving their business.

## TABLE OF CONTENTS

<b>CONTENTS</b>	<b>PAGE</b>
Board of Examiners	I
Declaration	II
Acknowledgement	III
Abstract	IV
Table of Contents	V-VI
List of Figures	VII
<b>CHAPTER 1: INTRODUCTION</b>	<b>01-02</b>
1.1 Introduction	1
1.2 Motivation	1
1.3 Objectives	1
1.4 Expected Outcome	2
1.5 Layout of the Report	2
<b>CHAPTER 2: BACKGROUND OVERVIEW</b>	<b>03-04</b>
2.1 Introduction	03
2.2 Related Works	03
2.3 Main Modules	03
2.4 Challenges	04
<b>CHAPTER 3: REQUIREMENT SPECIFICATION</b>	<b>05-11</b>
3.1 Introduction	05
3.1.1 Running Platform	05
3.1.2 Development Stack	05
3.1.3 Development Tools	05
3.1.4 Software architecture and Planning	06
3.1.5 Database Diagram	09

<b>CHAPTER 4: DESIGN AND FUNCTIONALITIES</b>	<b>12-25</b>
4.1 Log-in	12
4.2 Core Setup	13
4.3 Product Setup	15
4.4 Purchase	16
4.5 Sales	17
4.6 Human Resource	19
4.7 Account's	20
4.8 Customer Relations	22
4.9 Reports	22
<b>CHAPTER 5: CONCLUSION AND FUTURE SCOPE</b>	<b>26</b>
5.1 Discussion and Conclusion	26
5.2 Scope for Further Development	26
<b>REFERENCES</b>	<b>27</b>
<b>PLAGIARISM</b>	<b>28</b>

## LIST OF FIGURES

<b>FIGURES</b>	<b>PAGE NO</b>
Figure 3.1.4 Software Architecture and planning	06
Figure 3.1.4.1 Main Project (Inventory)	06
Figure 3.1.4.2 Inventory Data	07
Figure 3.1.4.3 Inventory Entity	07
Figure 3.1.4.4 Inventory IOC	07
Figure 3.1.4.5 Inventory Repository	08
Figure 3.1.4.6 Inventory Services	08
Figure 3.1.4.7 Inventory Utilities	09
Figure 3.1.5 Database Diagram	11
Figure 4.1.1 Log-in page	12
Figure 4.1.2 Dashboard	13
Figure 4.2.1 Branch List and Add new	13
Figure 4.2.2 User List and Add new	14
Figure 4.2.3 Content Type and Add new	14
Figure 4.3.1 Product List and Add new	15
Figure 4.3.2 Product Price setup and Barcode tag create	15
Figure 4.3.3 Measurement Unit List and Add new	15
Figure 4.4.1 vendor List and Add new	16
Figure 4.4.2 Purchase List	16
Figure 4.4.3 Add new Purchase	17
Figure 4.5.1 Customer List and Add new	17
Figure 4.5.2 Sales List	18
Figure 4.5.3 Add new Sale	18
Figure 4.6.1 Employee List	19
Figure 4.6.2 Add New Employee	19
Figure 4.6.3 Employee Salary	19
Figure 4.7.1 Payroll Generation	20
Figure 4.7.2 Vat Setup	20



Figure 4.7.3 Expense	21
Figure 4.7.4 Payment Method	21
Figure 4.8 Customer Reward point	22
Figure 4.9.1 Stock Report	22
Figure 4.9.2 Sales Report	23
Figure 4.9.3 Purchase Report	24
Figure 4.9.4 Profit Report	25

# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

The software is a web application that helps small businesses maintain their daily work. The software helps them to track all kind of financial transaction and also track their inventory so that they do not need to do that in the paper and don't need to hire extra manager to be do this thing. It will help them with their profit and loss equation and also help them to identify any unwanted product loss from the inventory. It will help them to track all their expenses. The application is absolutely easy to understand and created considering to make effectively useable for the clients.

### 1.2 Motivation

Bangladesh developing country. The developing is happing in all the sectors and places. But using software in small businesses it's not growing. In my opinion there are mainly two reasons that the small business mans are not using software they are 1. High price and really difficult to use. And my motivation of making it is to make application that will cover all the parts of a ERP system with a really easy to learn and use UI .and also in an affordable price. In the bellow I am listing down all my motivation on doing these project:

- To help small businesses grow fast.
- To help them with Calculation and bring them in software system.
- Easy to use UI so anyone with simple computer knowledge can use them.
- Reduce paper waste by storing all the data in database and software.
- Moreover, introduce all small entrepreneurs with latest software technology.

### 1.3 Objectives

The objectives of this project are

- To make a web application for small businesses automate Business Solutions.
- To reduce and track the unwanted expenses to help business grow.
- To track all the transactions and in an organized way.

- To provide a small HR module.
- To digitalize our small businesses in rural areas in our country with technology.
- To Provide Access to Standardized collection of Data.
- Operating Efficiency.
- Improve Service Experience.

#### **1.4 Expected Outcome**

The expected outcomes of this project are

- Buyers will be able to search their medicine product and find his/her medicine within short time.
- Sellers will be able to post their requirements that will be notified to the buyers those who have the best matches of these requirements.
- Users will be able to see all categories medicine without registration
- User will be able to buy medicine 24 hours.
- Users will be able to directly communicate with the resellers at a far distance ignoring the intermediate layers.
- Customers will be able to track his order.
- Customers will be able to be concerned of the actual price list of their produced products.

#### **1.5 Layout of the Report**

Section one has shown a prologue to the undertaking with its inspiration, destinations, and objectives.

- Chapter two will have "Outline Foundation" shows project the board stages and undertaking the executive's challenges.
- Chapter three will have Requirement Specification.
- Chapter four will have Design and Functionalities.
- Chapter five will have end.

## **CHAPTER 2**

### **BACKGROUND OVERVIEW**

#### **2.1 Introduction**

The main objective of the project is to create a ERO software to handle day to day activities of a small business with ease. And so help the company grow. It will be a small ERP system for small businesses to help them manage their day-to-day tasks like sales purchase payroll advance salary overtime calculation and goes on. The application will help the customers have more control over their business.

#### **2.2 Related Works**

I am working as a software engineer for last 6 years. I have developed software for many businesses and organizations, that's why I have seen many ERP systems and work with them. As I said earlier the main problem with big ERP systems are they are too much expensive for small businesses to use them and also their too complicated for the common people. And working in various enterprise resource solution systems I have to learn the basic mechanism of them. also I have talked with some small businesses like some small flower Mel rice mill and also some small shops to understand how they have run their business and maintain their accounts so that I can develop what do you want how they want and what way they want.

#### **2.3 Main Modules**

Because the software will cover all the activities and all the of all the functionalities of a business, then it needs to be more than just a point of sale. It needs to have all the initial capabilities that enterprise resource planning software has. So I have divided the entire software into modules they are listed below.

[Note: All the parts and details will be covered in chapter 4.

1. Home
2. Core Setup
3. Product
4. Purchase
5. Sales

6. Human Resource (HR)
7. Accounts
8. Customer Relations
9. Reports
10. Settings and theming.

## **2.4 Challenges**

- Making the small businesses leave the traditional way and using the new way will be a big challenge.
- Reaching the root level customers to get their info is a big challenge.
- Making the application user friendly is a big challenge.

## **CHAPTER 3**

### **REQUIREMENT SPECIFICATION**

#### **3.1 Introduction**

The software is a .Net Core MVC application that uses the razor view engine to render HTML page. The reason to choose the asp.net core platform is because its well-known for building large scale applications and has a huge community and expert tools like visual studio. As data base I am using MS Sql server.

##### **3.1.1 Running Platform**

Because its asp.net core project we can run it on both IIS (for windows) and Kestrel (For Linux servers). We can deploy on any hosting like Azure, AWS, Google cloud platforms also in local hosting that has .net core support.

##### **3.1.2 Development Stack**

I have used latest technologies to develop the system. The main language framework are listed below:

- ASP.NET CORE MVC (3.0)
- MS SQL SERVER 2019
- C# (As main developing language)
- UI (HTLM, CSS (Grid, Flex, Media Query), j-query, Bootstrap, Razor)
- GIT (for version controlling)
- GitHub (Remote Directory)
- Entity Framework

##### **3.1.3 Development Tools**

- Microsoft Visual Studio 2019
- MS SQL Server Management Studio
- Web Browser for Running the application.

### 3.1.4 Software Architecture and planning

I have designed the application in code first repository pattern. And the entire solution is being divided into seven projects.

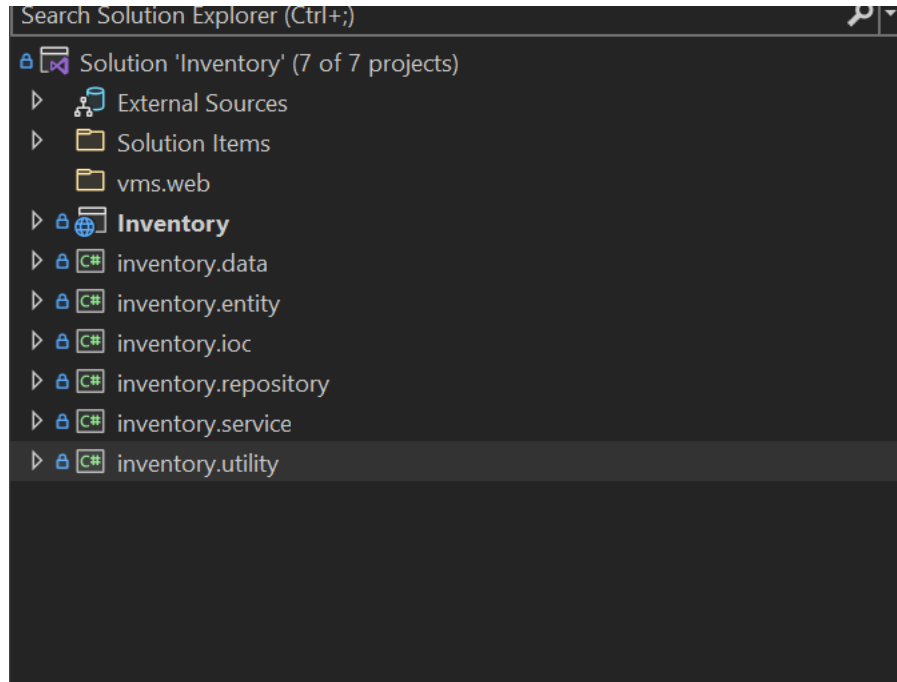


Figure 3.1.4 Software Architecture and planning

**1.Main Project (Inventory):** In this part all the controllers and views are located this is the main project and the start-up project that will start running the system.

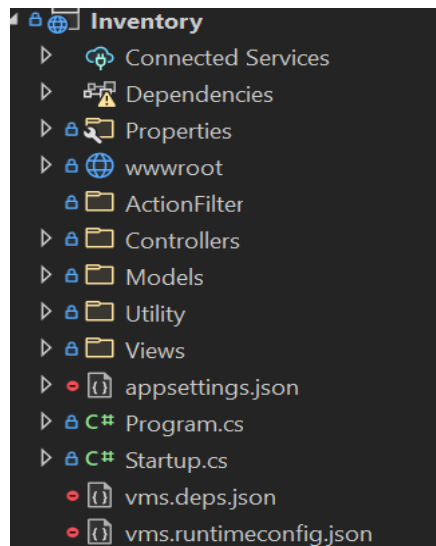


Figure 3.1.4.1 Main Project (Inventory)

**2.Inventory.Data:** In this project all the migration to the database are located also the main Db-context is here as well.

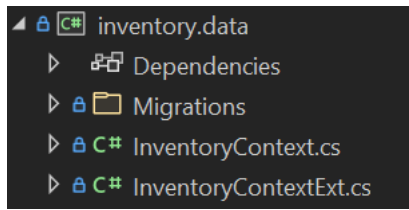


Figure 3.1.4.2 Inventory Data

**3.Inventory.Entity:** In here all the models and View models are located and logical relations are define here .

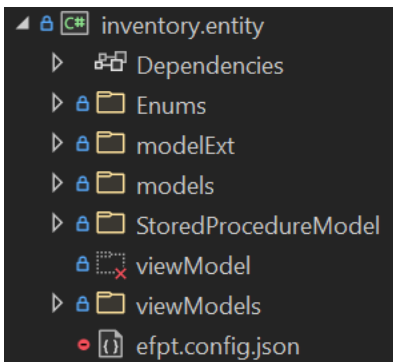


Figure 3.1.4.3Inventory Entity

**4.Inventory.IOC:** Here the dependency injection is being located to register the services and the repositories to have access.

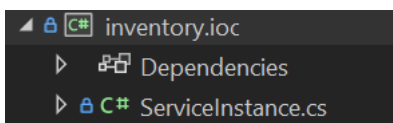


Figure 3.1.4.4 Inventory IOC



**5.Inventory.Repository:** In this project all the CRUD operations in the database are done using Entity framework.

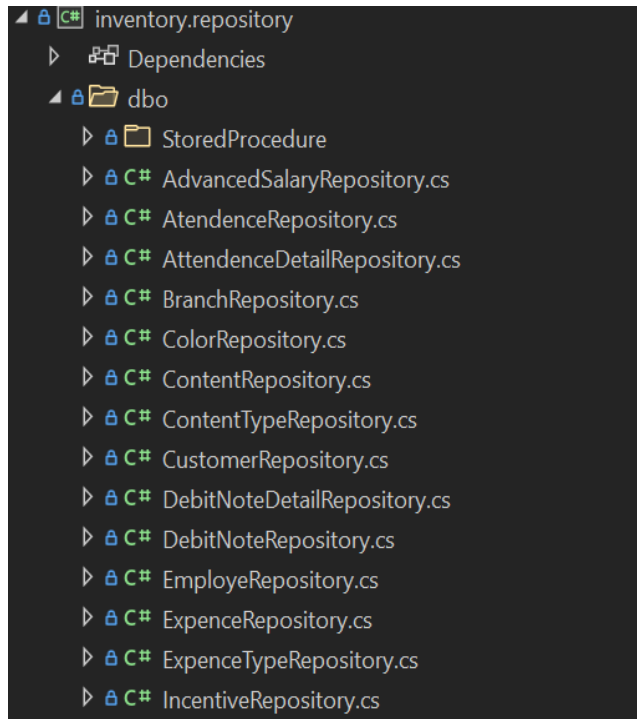


Figure 3.1.4.5 Inventory Repository

**6.Inventory.Services:** In here all the business logic are being written.

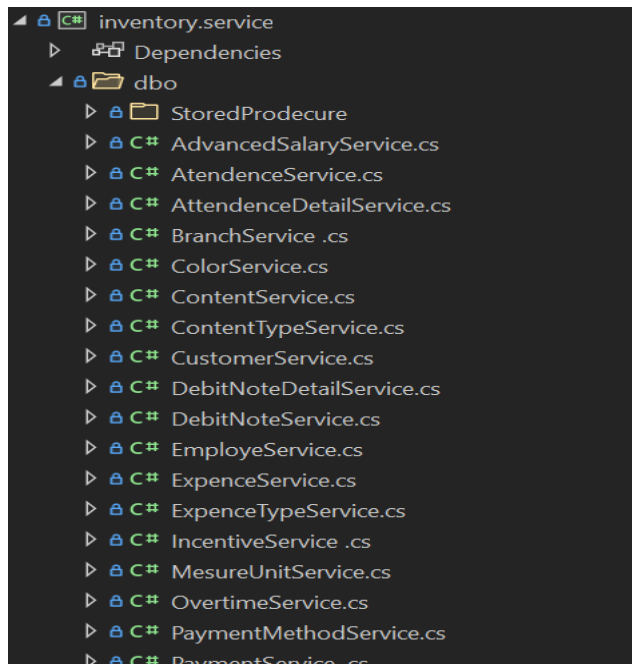


Figure 3.1.4.6 Inventory Services

**7.Inventory.Utilities:** In here all utility classes are written.

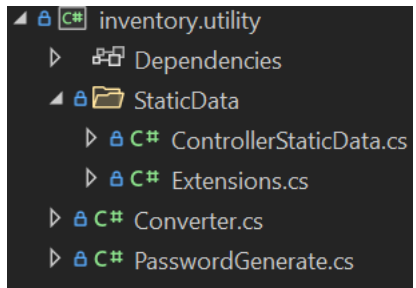


Figure 3.1.4.7 Inventory Utilities

### 3.1.5 Database Diagram

There are a total of 52 tables in the database for the application. The table names are listed below:

- 1) Settings
- 2) SpGetProductAutocompleteForSales
- 3) SpProfit
- 4) Spstock
- 5) Stock
- 6) StocktypeId
- 7) theme
- 8) User
- 9) UserType
- 10) vat
- 11) Vendor
- 12) \_\_EFMigrationsHistory
- 13) AdvancedSalary
- 14) Atendence
- 15) AttendanceDetails
- 16) Branch
- 17) Color
- 18) Content
- 19) Contenttype

- 20) CreditNote
- 21) CreditNoteDetail
- 22) Customer
- 23) DebitNote
- 24) DebitNoteDetail
- 25) Employe
- 26) Expencc
- 27) ExpenccType
- 28) Incentive
- 29) MeasureUnit
- 30) Overtime
- 31) payment
- 32) PaymentMethod
- 33) Payroll
- 34) PayrollDetails
- 35) Product
- 36) sysdiagrams
- 37) ProductLog
- 38) ProductPrice
- 39) Purchase
- 40) PurchaseContent
- 41) purchaseDetail
- 42) PurchasePayment
- 43) RewardPoint
- 44) Rights
- 45) RightsCategory
- 46) Role
- 47) RoleRights
- 48) salary
- 49) SaleContent
- 50) SalePayment
- 51) Sales

## 52) SalesDetails

The basic diagram of the entire DB has been given below :

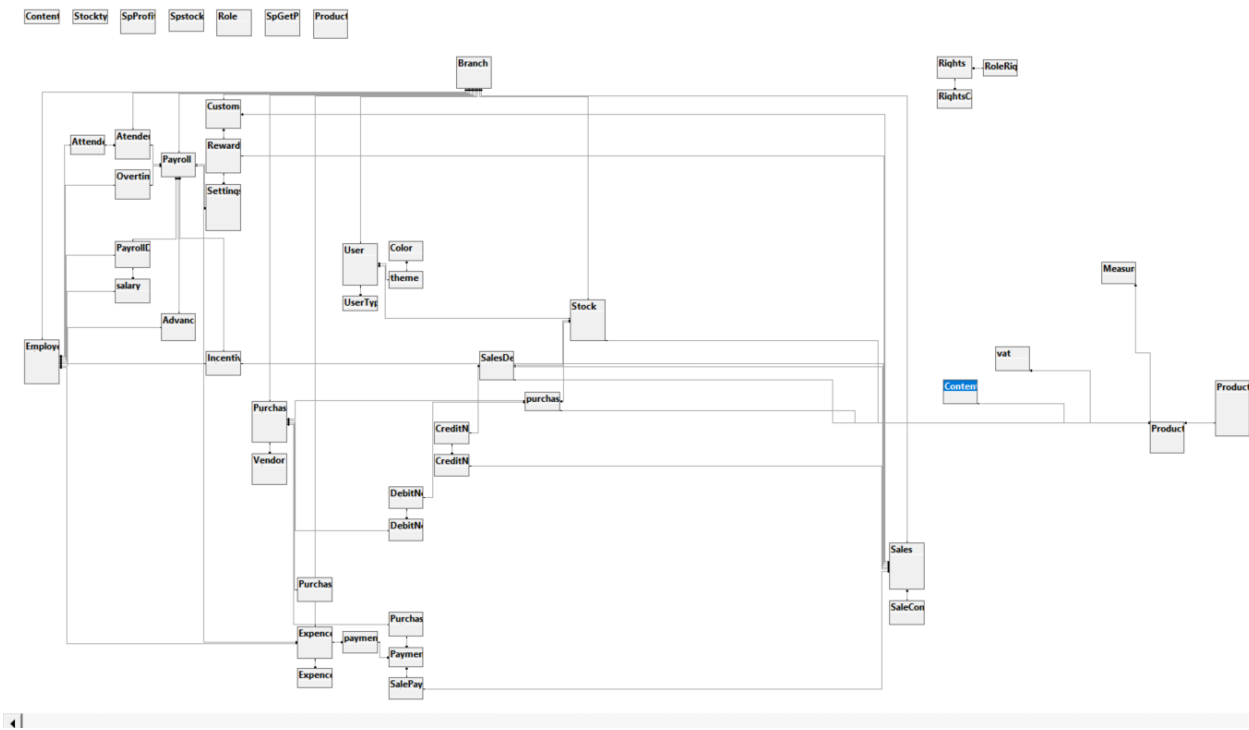


Figure 3.1.5 Database Diagram

## CHAPTER 4

### DESIGN AND FUNCTIONALITIES

#### 4.1 Log-in

From here all the users will login to the system. They need to provide their username and password to login.

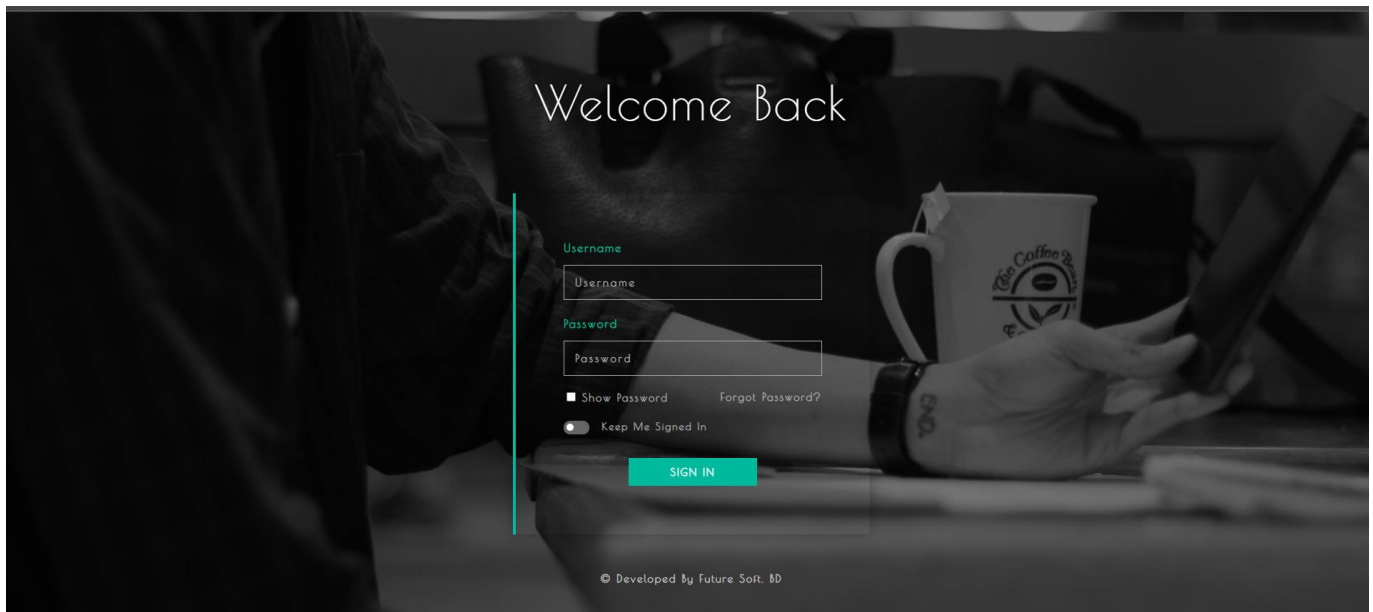


Figure 4.1.1 Log-in page

## Dashboard:

After successfully login the user will see the main admin panel and the dashboard.

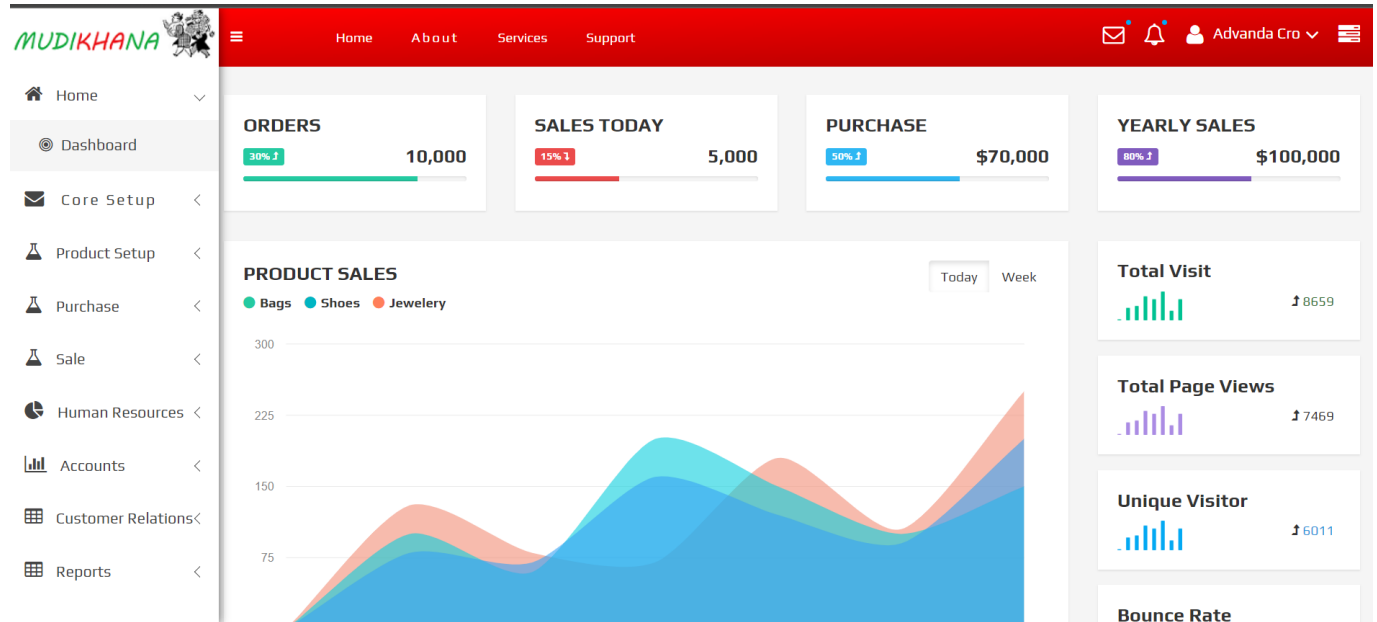


Figure 4.1.2 Dashboard

## 4.2 Core Setup

In the core setup all the basic setups like branch, user and content type:

**Branch:** All the branches are visible and also new branch can be created from here.

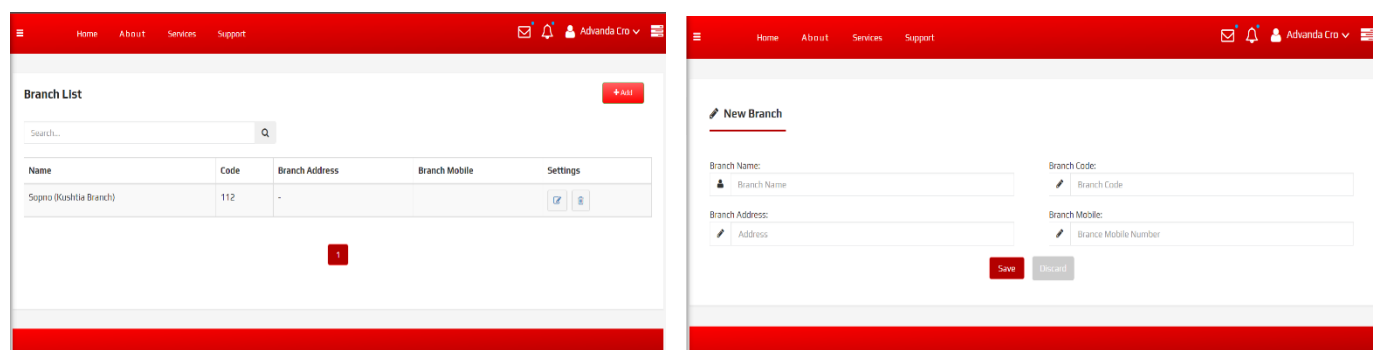


Figure 4.2.1 Branch List and Add new

**User Setup:** All the Users are visible and also new user can be created from here.

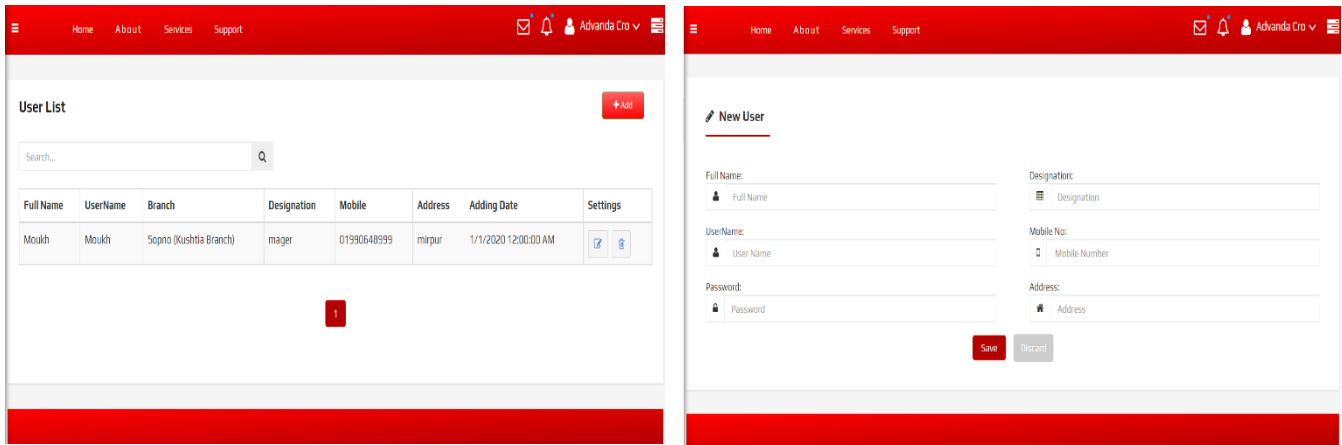


Figure 4.2.2 User List and Add new

**Content Type:** All the Content Type are visible and also new Content Type can be created from here.

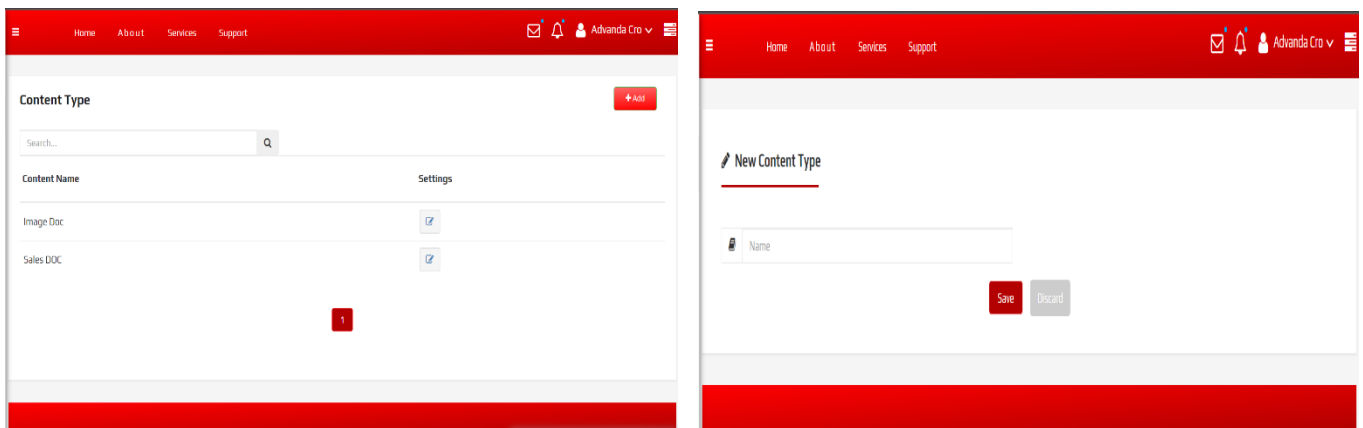


Figure 4.2.3 Content Type and Add new

### 4.3 Product Setup

Here all the product and measurement unit related setup is here:

**Product:** From this tab we can create and edit and setup product.

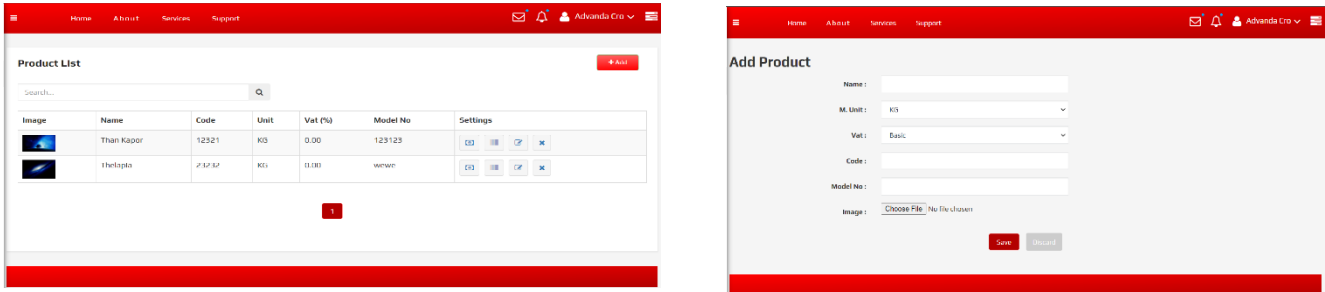


Figure 4.3.1 Product List and Add new

From here we can also setup the pricing for the product. And also create barcode tags.

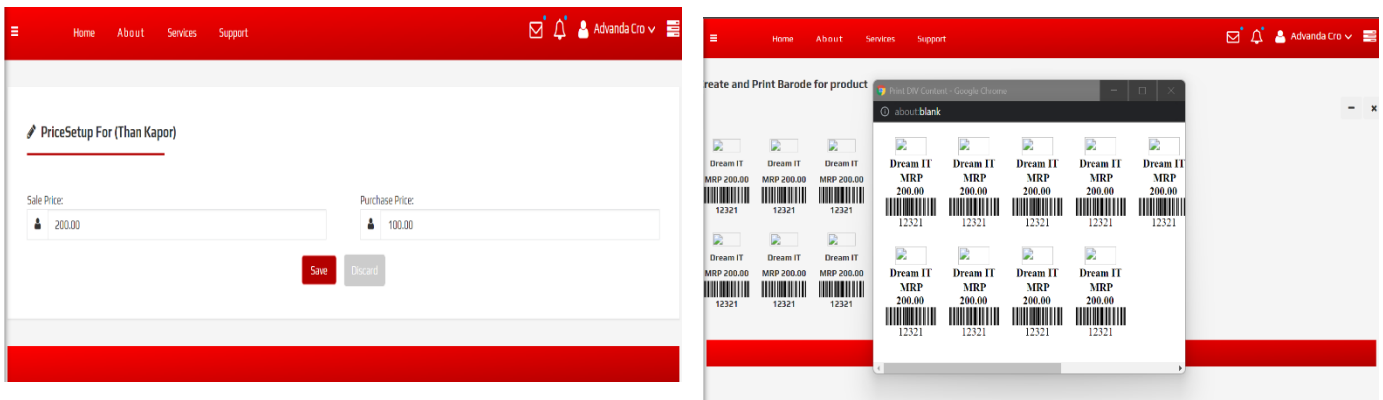


Figure 4.3.2 Product Price setup and Barcode tag create

**Measurement Unit:** All the Measurement Unit are visible and also new Measurement Unit can be created from here.

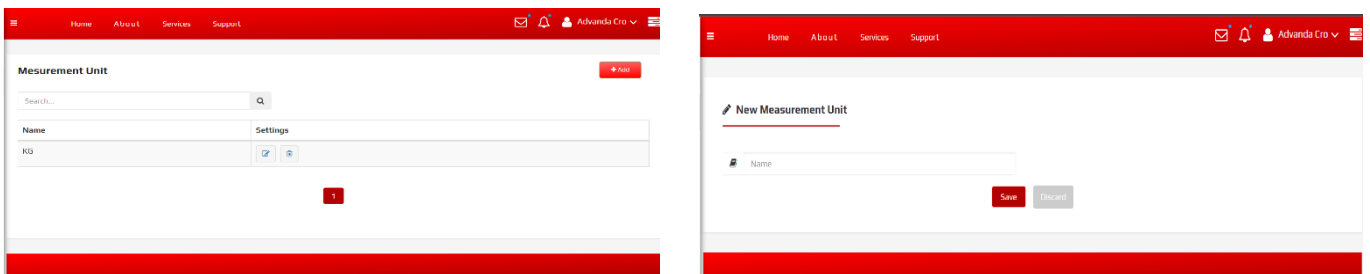


Figure 4.3.3 Measurement Unit List and Add new



## 4.4 Purchase

In this module all the purchase related things are listed. Their vendors can be added and viewed. New purchase can be made from any vendor. Purchase return and all the purchase related works.

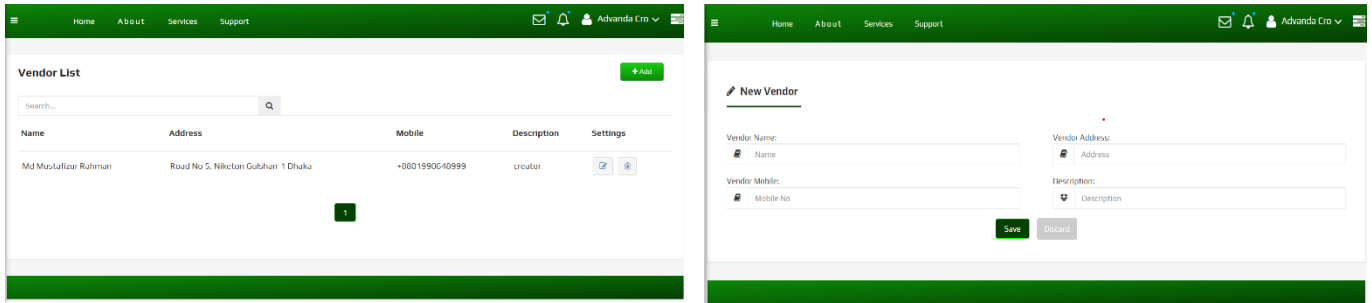


Figure 4.4.1 vendor List and Add new

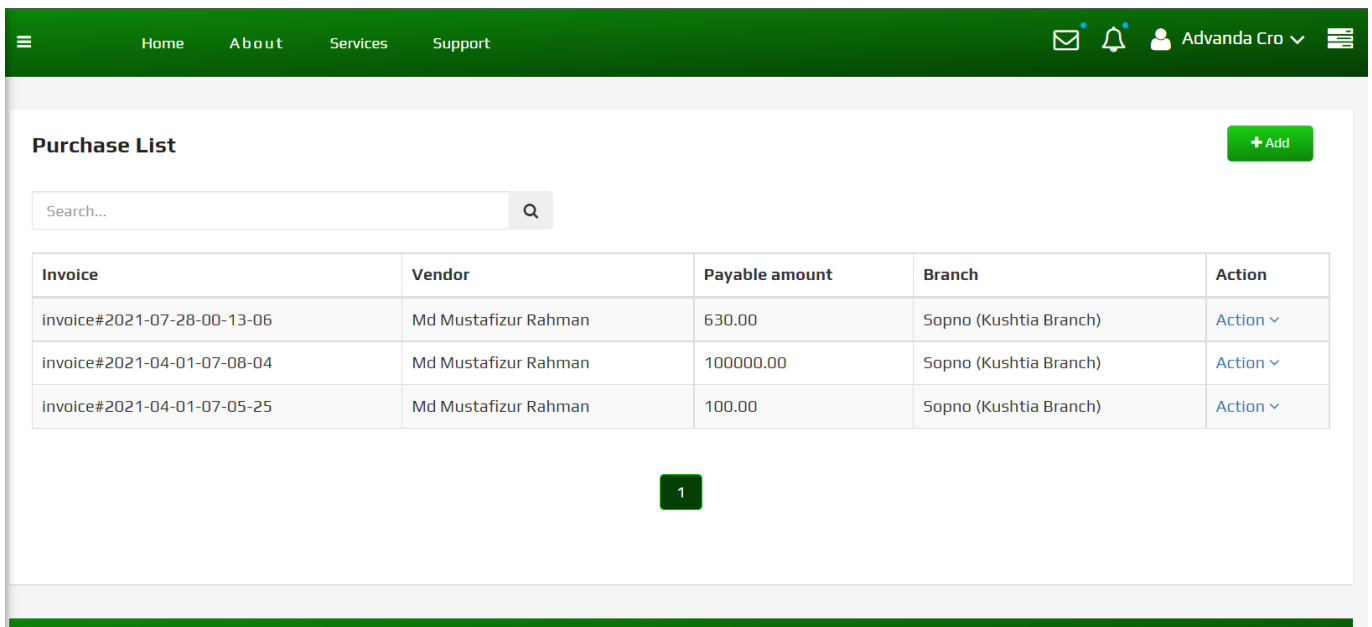


Figure 4.4.2 Purchase List

**New Purchase Order**

Vendor Name:  Discount On Total:

**Purchase Details**

SI	Product	Quantity	Amount	Discount	Price
			0	0	+
Total					

**Document**

SI	File
	<input type="button" value="Choose File"/> No file chosen

**Payment**

SI	Method	Paid Amount	Date
	cash	0	

Figure 4.4.3 Add new Purchase

## 4.5 Sales

In this module all the sales related things are listed. Their customer can be added and viewed. New sale can be made from any customer. Sales return and all the sales related works.

**Customer List**

Search:

Name	Joined Branch	Birth Day	Email	Address	Mobile	Settings
Md Mustafizur Rahman	Sopno (Kushtha Branch)		moukhkrs@gmail.com	Road No 5, Niketon Gulshan 1 Dhaka	+8801550618235	<input type="button" value="edit"/> <input type="button" value="delete"/>
Rifah	Sopno (Kushtha Branch)				0189795544	<input type="button" value="edit"/> <input type="button" value="delete"/>

**New Customer**

Customer Name:

Customer Email:

Customer Mobile:

Customer Birth Day:

Customer Address:

Figure 4.5.1 Customer List and Add new

Home About Services Support Advanda Cro

### Sale List + Add

Search...

Invoice	Payable amount	Branch	Action
SIV#2021007029000057024	200.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027020026045	200.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027020011050	200.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027019058048	200.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027019053030	200.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027019053008	2400.00	Sopno (Kushtia Branch)	Action ▾
SIV#2021007027019052054	2400.00	Sopno (Kushtia Branch)	Action ▾

1

Figure 4.5.2 Sales List

Home About Services Support Advanda Cro

### New Sale

Customer Mobile:  Sold By:

Discount On Total:

#### Sale Details

Sl	Product	Stock	Quantity	Rate	VAT	VAT Value	Discount	Total
				0			0	+
Total								

#### Document

Sl	File
	<input type="button" value="Choose File"/> No file chosen

#### Payment

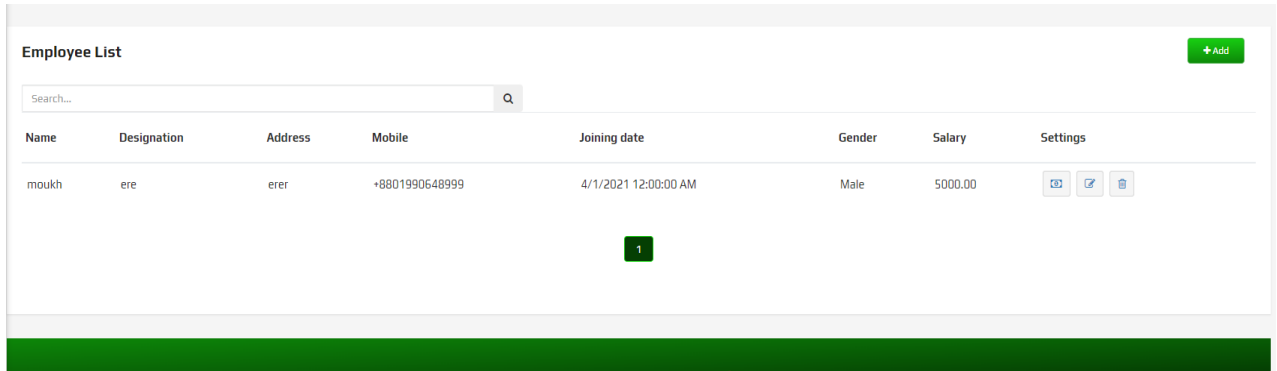
Sl	Method	Paid Amount	Date
	cash	0	

Figure 4.5.3 Add new Sale

## 4.6 Human Resource

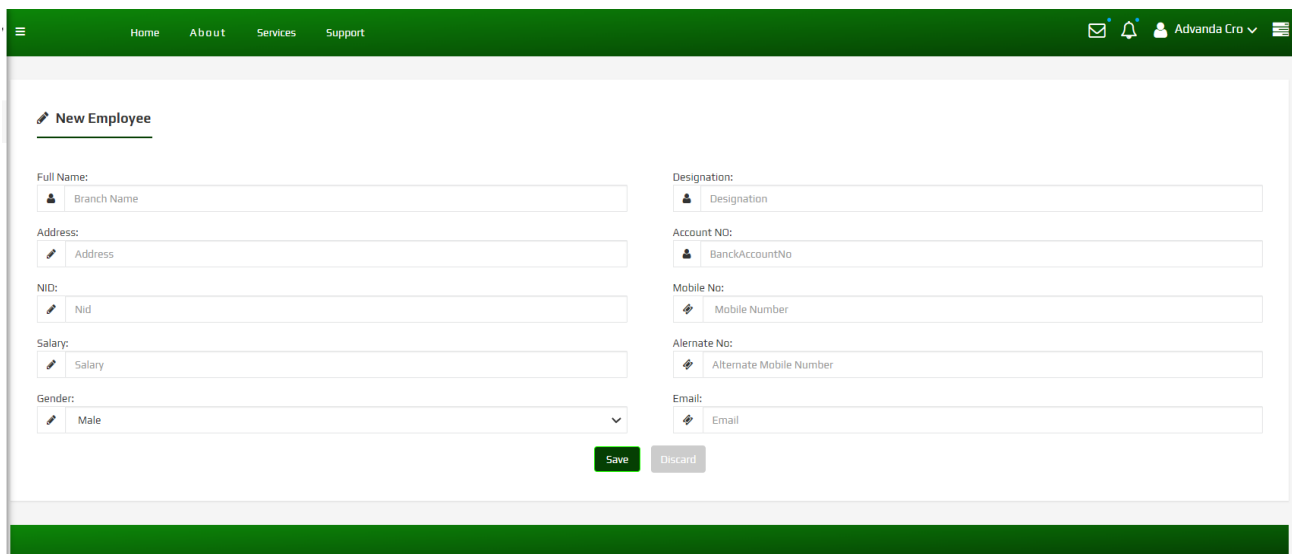
### 4.6.1 Employee Setup

From here admin can add new employee and set their salary and remove them.



Name	Designation	Address	Mobile	Joining date	Gender	Salary	Settings
moukh	ere	erer	+8801990648999	4/1/2021 12:00:00 AM	Male	5000.00	<a href="#">Edit</a> <a href="#">Add</a> <a href="#">Delete</a>

Figure 4.6.1 Employee List



**New Employee**

Full Name:  Branch Name

Designation:  Designation

Address:  Address

Account No:  BankAccountNo

NID:  Nid

Mobile No:  Mobile Number

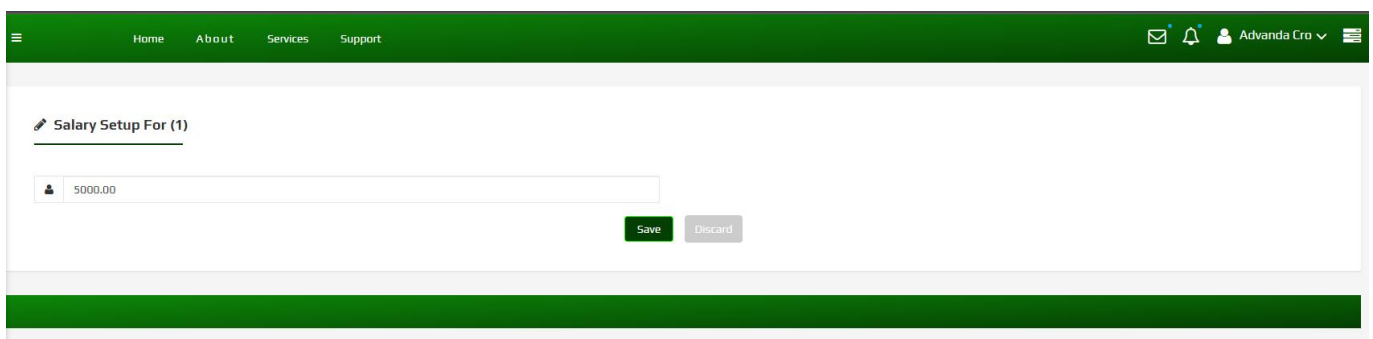
Salary:  Salary

Alternate No:  Alternate Mobile Number

Gender:  Male

Email:  Email

Figure 4.6.2 Add New Employee



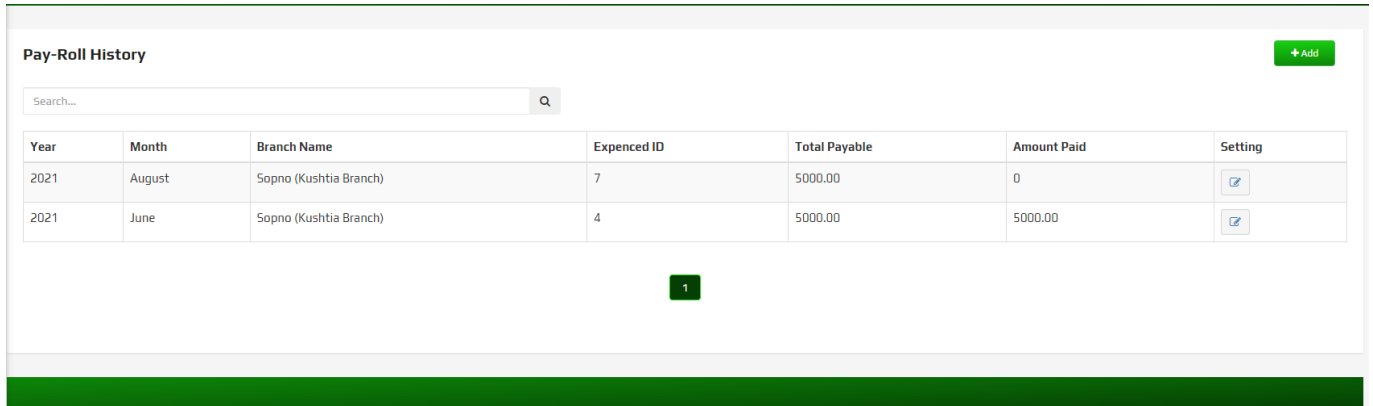
**Salary Setup For (1)**

5000.00

Figure 4.6.3 Employee Salary

## 4.7 Account's

There are auto payroll generation. Vat setup, Expense, payment method, Expense type.

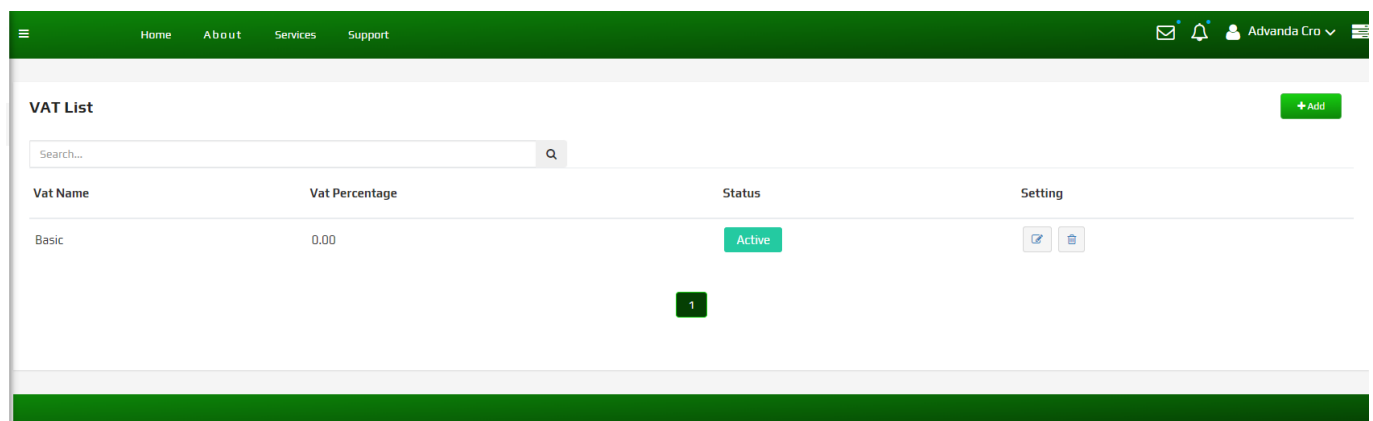


The screenshot shows a 'Pay-Roll History' interface. At the top right is a '+ Add' button. Below the title is a search bar with a magnifying glass icon. The main content is a table with the following data:

Year	Month	Branch Name	Expenced ID	Total Payable	Amount Paid	Setting
2021	August	Sopno (Kushtia Branch)	7	5000.00	0	
2021	June	Sopno (Kushtia Branch)	4	5000.00	5000.00	

Below the table, there is a green box with the number '1'.

Figure 4.7.1 Payroll Generation



The screenshot shows a 'VAT List' interface. At the top right is a '+ Add' button. Below the title is a search bar with a magnifying glass icon. The main content is a table with the following data:

Vat Name	Vat Percentage	Status	Setting
Basic	0.00	Active	

Below the table, there is a green box with the number '1'.

Figure 4.7.2 Vat Setup

**Expense List** +Add

Search...

ID	Date	Expense	Branch	Person	Purpose	Pay.ID	Amount	Paid	Payment	Settings
7	9/20/2021 3:33:03 AM	Salary Disbursement	Sopno (Kushtia Branch)	moukh	Monthly Salary :8-2021	No Payment	5000.00		Not Done	
6	7/28/2021 12:00:00 AM	Office Expcense	Sopno (Kushtia Branch)	moukh		2	100.00	50.00	Partial	
5	7/28/2021 12:00:00 AM	Office Expcense	Sopno (Kushtia Branch)	moukh	Cha	1	100.00	100.00	Done	
4	7/28/2021 12:03:51 AM	Salary Disbursement	Sopno (Kushtia Branch)	moukh	Monthly Salary :6-2021	5	5000.00	5000.00	Done	

1

Figure 4.7.3 Expense

**Payment Methods** +Add

Search...

Name	Account Number	Description	Action
cash			
Money Order			
Online			

1

Figure 4.7.4 Payment Method

## 4.8 Customer Relations

Here the customer Reward point system is located.

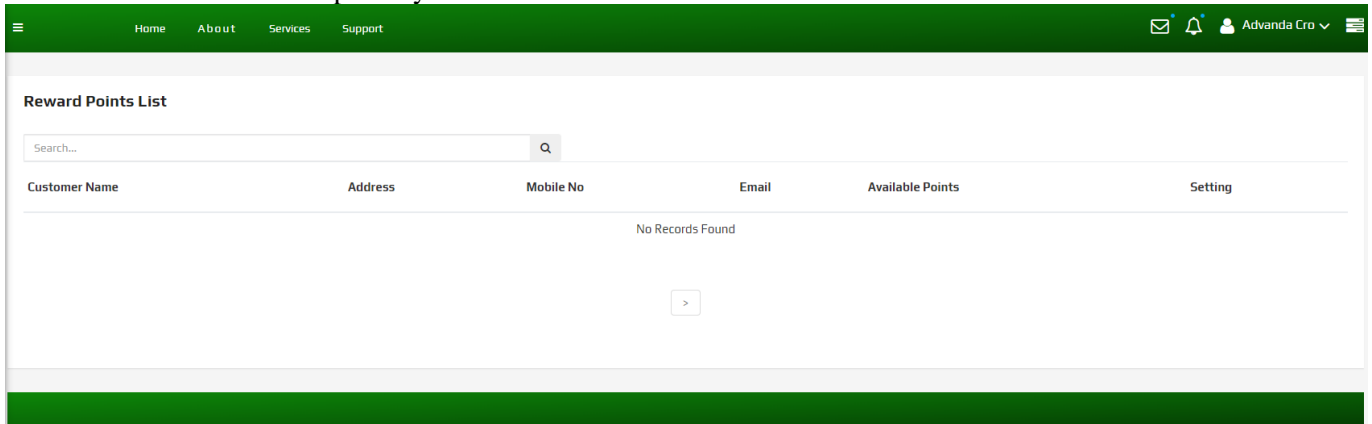


Figure 4.8 Customer Reward point

## 4.9 Reports

All the reports are located are here.

### Stock Report:

Product Name	Model No	Code	Total Purchase	Total Sold	Purchase return	Sales return	Available Stock
Than Kapor	123123	12321	1001	30	0	0	971.00
Thelapia	wewe	23232	30	0	3	0	27.00

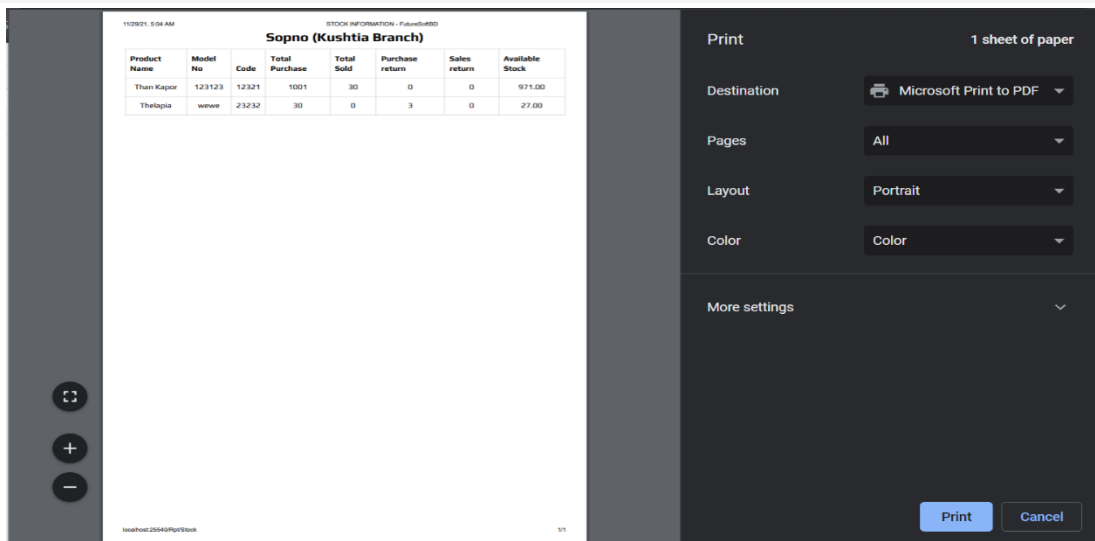


Figure 4.9.1 Stock Report

# Sales Report:

**SALES INFORMATION**

From Date: 29 Oct, 2020 To Date: 29 Nov, 2021 Type Product Name to Filter:

**Sopno (Kushtia Branch)**  
Sales Report From : 29-Oct-2020 ## To: 29-Nov-2021

Date	Invoice	Cus.	mobile	Product	QTY	U.P	Vat	Disc	Amount
29Jul,2021	SIV#2021007029000057024	----	----	Than Kapor	2.00	200.00	0.00	0.00	400.0000
27Jul,2021	SIV#2021007027020026045	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027020011050	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019058048	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019053030	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019053008	----	----	Than Kapor	12.00	200.00	0.00	0.00	2400.0000
27Jul,2021	SIV#2021007027019052054	----	----	Than Kapor	12.00	200.00	0.00	0.00	2400.0000
<b>Total :</b>					<b>30.00</b>	<b>--</b>	<b>0.00</b>	<b>0.00</b>	<b>6000.0000</b>

11/29/21, 5:07 AM SALES INFORMATION - FutureSoftBD

**Sopno (Kushtia Branch)**  
Sales Report From : 29-Oct-2020 ## To: 29-Nov-2021

Date	Invoice	Cus.	mobile	Product	QTY	U.P	Vat	Disc	Amount
29Jul,2021	SIV#2021007029000057024	----	----	Than Kapor	2.00	200.00	0.00	0.00	400.0000
27Jul,2021	SIV#2021007027020026045	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027020011050	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019058048	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019053030	----	----	Than Kapor	1.00	200.00	0.00	0.00	200.0000
27Jul,2021	SIV#2021007027019053008	----	----	Than Kapor	12.00	200.00	0.00	0.00	2400.0000
27Jul,2021	SIV#2021007027019052054	----	----	Than Kapor	12.00	200.00	0.00	0.00	2400.0000
<b>Total :</b>					<b>30.00</b>	<b>--</b>	<b>0.00</b>	<b>0.00</b>	<b>6000.0000</b>

Print 1 sheet of paper

Destination: Microsoft Print to PDF

Pages: All

Layout: Portrait

Color: Color

More settings

Print Cancel

Figure 4.9.2 Sales Report



## Purchase Report:

**PURCHASE Report**

From Date:  To Date:  Type Product Name to Filter:

[View Report](#) [Print](#)

**Sopno (Kushtia Branch)**  
Purchase Report From : 29-Oct-2020 ## To: 29-Nov-2021

Date	Invoice	Ven.	mobile	Product	QTY	U.P	Disc:	Amount
28Jul,2021	invoice#2021-07-28-00-13-06	Md Mustafizur Rahman	+8801990648999	Thelapia	30.00	21.00	0.00	630.0000
01Apr,2021	invoice#2021-04-01-07-08-04	Md Mustafizur Rahman	+8801990648999	Than Kapor	1000.00	100.00	0.00	100000.0000
01Apr,2021	invoice#2021-04-01-07-05-25	Md Mustafizur Rahman	+8801990648999	Than Kapor	1.00	100.00	0.00	100.0000
<b>Total:</b>					<b>1031.00</b>	<b>--</b>	<b>0.00</b>	<b>100730.0000</b>

localhost:25540/Rpt/PurchaseReport
🔍 ☆

11/29/21, 5:11 AM PURCHASE INFORMATION - FutureSoftBD

**Sopno (Kushtia Branch)**  
Purchase Report From : 29-Oct-2020 ## To: 29-Nov-2021

Date	Invoice	Ven.	mobile	Product	QTY	U.P	Disc:	Amount
28Jul,2021	invoice#2021-07-28-00-13-06	Md Mustafizur Rahman	+8801990648999	Thelapia	30.00	21.00	0.00	630.0000
01Apr,2021	invoice#2021-04-01-07-08-04	Md Mustafizur Rahman	+8801990648999	Than Kapor	1000.00	100.00	0.00	100000.0000
01Apr,2021	invoice#2021-04-01-07-05-25	Md Mustafizur Rahman	+8801990648999	Than Kapor	1.00	100.00	0.00	100.0000
<b>Total:</b>					<b>1031.00</b>	<b>--</b>	<b>0.00</b>	<b>100730.0000</b>

**Print** 1 sheet of paper

Destination: 🖨️ Microsoft Print to PDF

Pages: All

Layout: Portrait

Color: Color

More settings ▼

Print
Cancel

Figure 4.9.3 Purchase Report

Profit Report:

**Profit Report**

From Date: 29 Oct, 2020 To Date: 29 Nov, 2021 [View Report] [Print]

**Sopno (Kushtia Branch)**  
 Profit Report From : 29-Oct-2020 ## To: 29-Nov-2021

Total Income : 6000 Total Expense : 110930 Total Profit : -104930

Expense Name	Amount	Income Name	Amount
Purchase Expense	100730	Sales Income	6000
Other Expense	10200		

On Accounts (DUE)	Amount
Purchase Payable	100040
Sales Reciveble	5800

Print 1 sheet of paper

Destination: Microsoft Print to PDF

Pages: All

Layout: Portrait

Color: Color

More settings

[Print] [Cancel]

Figure 4.9.4 Profit Report

## **CHAPTER 5**

### **CONCLUSION AND FUTURE SCOPE**

#### **5.1 Discussion and Conclusion**

The application has been successfully developed and all the objectives have been completed. I have try to complete all the features if short amount of time and also try to make the UI as easy to use as possible. There are some parts that need improvement like in mobile devices some pages are breaking so the web application needs improvement in the UI responsiveness also for the exception handling. I think we need to test and try and at a lot of exception handling in the project before going it to the production. Overall at the end I can say that the project is a success. I would like to thank again my supervisor for supporting me throughout this project.

#### **5.2 Scope for Further Development**

The project can have more development in future like production module can be added here to handle all the production related walk in a small business. Also if we can arrange a funding from government then we can host the software and complete it in a larger scale so that the small business from the rural areas in your country can get the software for free. also after completing the project we should look towards the performance issue of the software if there is a chance of improving the performance issue then you should go ahead and make it more efficient.

## REFERENCES

- [1] Learn about Project Report, available at << <https://www.brightwork.com/blog/7-steps-effective-report-writing> >>, last accessed on 12-11-2021 at 12:15am
- [2] Learn about Design details, <<[https://en.wikipedia.org/wiki/Design\\_specification](https://en.wikipedia.org/wiki/Design_specification)>>, last accessed on 14-11-2021 at 12:29am
- [3] Learn about ERP, available at << <https://dynamics.microsoft.com/en-us/erp/what-is-erp/#:~:text=ERP%20is%20an%20acronym%20that,manufacturing%2C%20and%20human%20resource%20activities> >>, last accessed on 20-11-2021 at 12:05pm
- [4] Learn about MS SQL, available at << <https://www.microsoft.com/en-us/sql-server/sql-server-2019/>>>, last accessed on 20-11-2021 at 2:05pm
- [5] Learn about Repository pattern, available at<< <https://makingloops.com/why-should-you-use-the-repository-pattern/>>>, last accessed on 20-11-2021 at 2:05pm

Plagiarism Checked by  
Abdus Sattar, Assistant Professor, Department of CSE



28-12-2021

## Compact ERP System for Small Business

### ORIGINALITY REPORT

8%

SIMILARITY INDEX

6%

INTERNET SOURCES

1%

PUBLICATIONS

4%

STUDENT PAPERS

### PRIMARY SOURCES

1

Submitted to Daffodil International University  
Student Paper

4%

2

[dspace.daffodilvarsity.edu.bd:8080](https://dspace.daffodilvarsity.edu.bd:8080)  
Internet Source

2%

3

Submitted to Higher Education Commission  
Pakistan  
Student Paper

1%

4

[www.bits-pilani.ac.in](http://www.bits-pilani.ac.in)  
Internet Source

1%

5

Joan C. Vilanova, Mercedes Roca, Sandra  
Baleato. "Chapter 4 Bone Marrow", Springer  
Science and Business Media LLC, 2010  
Publication

1%

6

Adam Freeman. "Applied ASP .NET 4 in  
Context", Springer Science and Business  
Media LLC, 2011  
Publication

<1%