

WEB APPLICATION DESIGN AND DEVELOPMENT IN PHP

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering.

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APPROVAL

This Project/internship titled “**Web Design and Development in PHP**”, submitted by Md. Fahim Shahriyear Hossain, ID No: 162-15-8092 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 B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 12/09/19.

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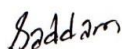
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DECLARATION

We hereby declare that, this Internship title “**Web Application Development with PHP**”, has been done by myself **Md. Fahim Shahriyear Hossain** ID: 162-15-8092 under the supervision of **Mr. Dewan Mamun Raza**, Lecturer, Department of CSE at Daffodil International University. I also declare that neither this Internship nor any part of this Internship has been submitted elsewhere for award of any degree or diploma.

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I would like to express my sincere thanks to **Dr. Syed Akhter Hossain**, Professor and Director of the CSE Department, for his invaluable help in completing my internship, as well as to the teaching staff and staff of the CSE department of Narcissus.

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Finally, I would like to thank my family, especially my parents, for their support and encouragement throughout this internship.

ABSTRACT

The design and development of web applications was the main focus of this internship. To develop an application several programming languages are used. Some are only used to design the software and the interface as like HTML5, CSS3 and Twitter Bootstrap etc. There is also other programming languages used to develop the dynamic functions of the application Such as PHP, MYSQL and JavaScript. Nowadays, some frameworks are widely used. Frameworks are essentially structured programming language using Model, View and Controller Concept. It is widely known as MVC Design Patten. To develop a web application it is very useful to us because we can access it from anywhere in the world. That's why I chose the subject of my report entitled "Web Application Design and Development ". Working at **Venus It Ltd.** has added great experiences in my next career. Solving real life problems and the knowledge and development experience acquired during this internship period.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

It's known that internships get experiences from various organizations that will greatly help to establish a relation in theoretical knowledge and practical knowledge. Add valuable experience such as running an office or computer equipment, managing situations at the same time, organizing and analyzing data, budgeting and improving work, writing, speaking as well as software development with SDLC. It's important to understand how to communicate to supervisors, peers and strangers. As a computer science and engineering student, I have studied many computer programming courses in the past years. But this is not enough to know computer programming because it is a very large field of modern technology. Obtain a good knowledge of computer programming including the design and development of Web applications. I am interested in internships at Venus It Ltd.

In this internship report, I talk about "Web Application Design and Development" in Venus It Ltd. This internship report covers the entire internship period I successfully completed on web application design and development.

1.2 MOTIVATION

An Internship can add practical experience in real life programming and software development life cycle. It is very important to know the theoretical knowledge and apply it in real world in order to increase our experience in the labor market in the software engineering sector. The respect of all the rules and regulations of the company during my intern period it helps me to become professional in my job. The internship competency helps me meet the challenge of the current job market.

I discovered that Venus It Ltd has a great reputation for client satisfaction and service. Venus It Ltd is well-known in the design and development of web applications in Bangladesh.

I hope this internship will provide me the perfect opportunity for my future career.

1.3 INTERNSHIP OBJECTIVES [1]

- Understand the concept and structure of web application design and development.
- Observe interpersonal and organizational dynamics.
- Possibilities of technical skills.
- Increase communication skills.
- Requirement Collections and Implementing.
- Project Testing, Bug hunting and Client Handling.
- Know all kinds of official knowledge and policies.

1.4 INTERNSHIP GOALS

- Knowledge of practical programming and business logics.
- Acquire knowledge in HTML5, CSS3, Bootstrap, JavaScript, JQUERY, Ajax, PHP, CODEIGNITER, LARAVEL and many more web application technologies.
- Acquire essential knowledge of Collecting Requirements.
- Team Work.
- Work under pressure.
- Handel Multiple Projects.
- Increase the ability to solve problems.
- Knowledge of professional documentation of application.
- Improve ethics and professional values.

1.5 INTRODUCTION TO THE COMPANY

Venus It Ltd based in BADDA, Dhaka since 2015. They are getting bigger every year. It's also transforms the power of technology to serve creative and easy solutions to the challenges of your merchandise. It's an automated solution for your products and your sector. Depending on the size, limit and area of the partners, it offers various product and services to meet client needs. Venus It Ltd provides customized, off-the-shelf software solutions for all organizations and sectors. With a group of experts, Venus It Ltd provides an environment that meets the needs of the customer. [2]

Venus It Ltd also offers many services such as:

- Education Management Application
- Online Point Of Sale Application
- Micro Finance Application
- Inventory Management Application and many more.

1.6 REPORT LAYOUT

I try to present my work in different chapters for this, I did at the beginning, introduce the introduction, the motivation, the purpose of the practices, Objectives of the practices, the details and the design of the company. Then present the Organization market situation and product, organizational structure and challenges.

After that, I showed the project that I developed in this internship.

And I'm writing about how to implement other tasks after a task and I'm trying to highlight the abstracts I faced in this project. And I also talked more about my future work, what I learned, how I could use it in the future, and how much more I knew. Finally, I am able to done real client projects.

CHAPTER 2

ORGANIZATION

2.1 INTRODUCTION

During my university years I found Different perspective of modern technology that I can chose to work with.

One of them is Web Application Development. Then I got a workplace on this topic in Venus It Ltd. Here I learned how to be a professional Web developer; I learned all those things I needed to do a job.

Competition in everything that happens in the modern world, in the case of technology, does not wait that's why technology is improving day by day. To work with technology, there are many professional skills, what the Venus It Ltd taught me. I learned HTML5, CSS3, Bootstrap, JavaScript, Ajax, JQUERY, PHP, MYSQL, LARAVEL and many more with which I can improve the application.

Finally, I can say that it helped me to become an expert Web Developer So I sincerely thank my university and the Venus It Ltd for this opportunities.

2.2 INTERNSHIP PROGRAM OVERVIEW

I have done this internship program at Venus It Ltd, Venus Complex (11th Floor), Kha-199/3 & 199, 4 BIR UTTAM RAFIQU L ISLAM AVE, DHAKA 1212, Bangladesh from April 2019 to June 2019 Supervised by **Md. Shahidul Islam**, Director, Venus It Ltd.

2.3 TARGET GROUP

By rapidly changing the world, every organization and company must develop computer and technology skills to remain competitive and successful. IT infrastructure with digital service facilities should be appropriate for all office segments and the skills of all professionals in all business, industry and service sectors. To meet their goals Venus It Ltd moving forward with the right initiatives. Venus It Ltd vision is to bring happiness to customers and employees.

2.4 SWOT ANALYSIS

SWOT responds to strengths, weaknesses, opportunities and threats. The SWOT analysis aims to identify the main internal and external factors that all factors consider important to achieve a goal. [4]

2.4.1 STRENGTHS

- Good relationship with clients.
- Deliver Projects at Given Time.
- Ensure Client satisfaction.
- Quality Products and services
- Dedicated.

2.4.2 WEAKNESS

- Try To avoid Upgrade Applications.
- Communication Gap between Software Team and Project Support Team.

2.4.3 OPPORTUNITIES

Venus It Ltd is a Bangladesh based IT company that offers a variety of software solutions. Its key business is to provide the best customer solution, expertise and experience in the industry.

So we get many opportunities to work with different projects and business logic to enhance our knowledge.

2.4.4 THREATS

I realize, only a few companies related to IT dominated individual countries. Because it is very difficult to compete with other companies that are already laying their foundation in this industry.

2.5 Organizational Structure

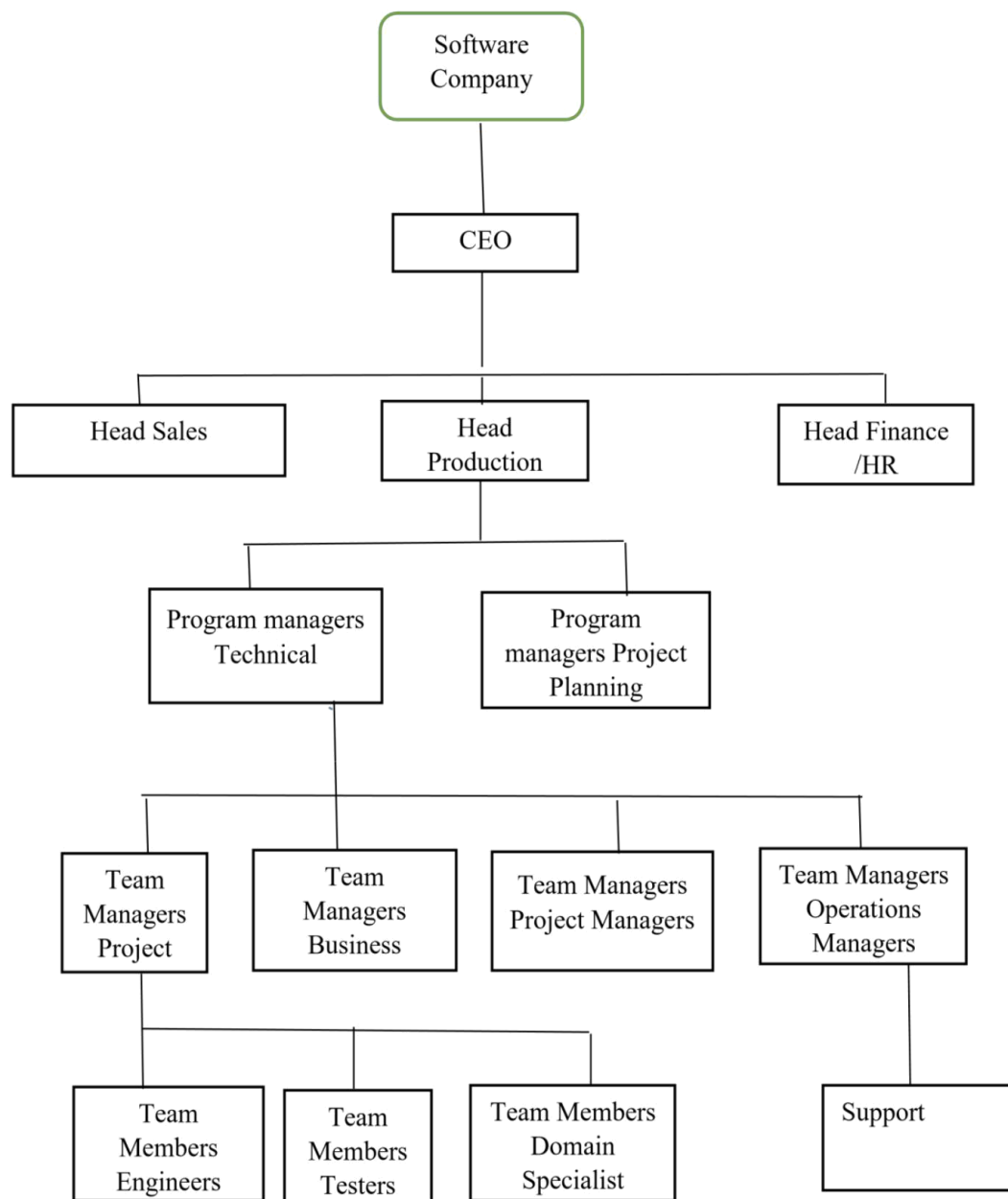


Figure 2.1 Organizational Structure of Venus It Ltd Company

CHAPTER 3

TASKS PROJECTS AND ACTIVITIES

3.1 DAILY PROJECT TASK AND ACTIVITIES

I joined Venus It Ltd as a trainee and I regularly completed several types of task Then, I have the opportunity to develop a complete point of sale (POS) for a reputed company and I will now describe my daily project tasks and my development activities.

At First I setup the working environment such as install apache2, MYSQL, PHPMYADMIN, composer, NODEJS, NPM, GIT, PHPSTORM and configure them in my UBUNTU desktop.

Then I started to design the application layouts using HTML, CSS, JavaScript, bootstrap 4 as per application requirements.

Here is some sample for different page layouts.

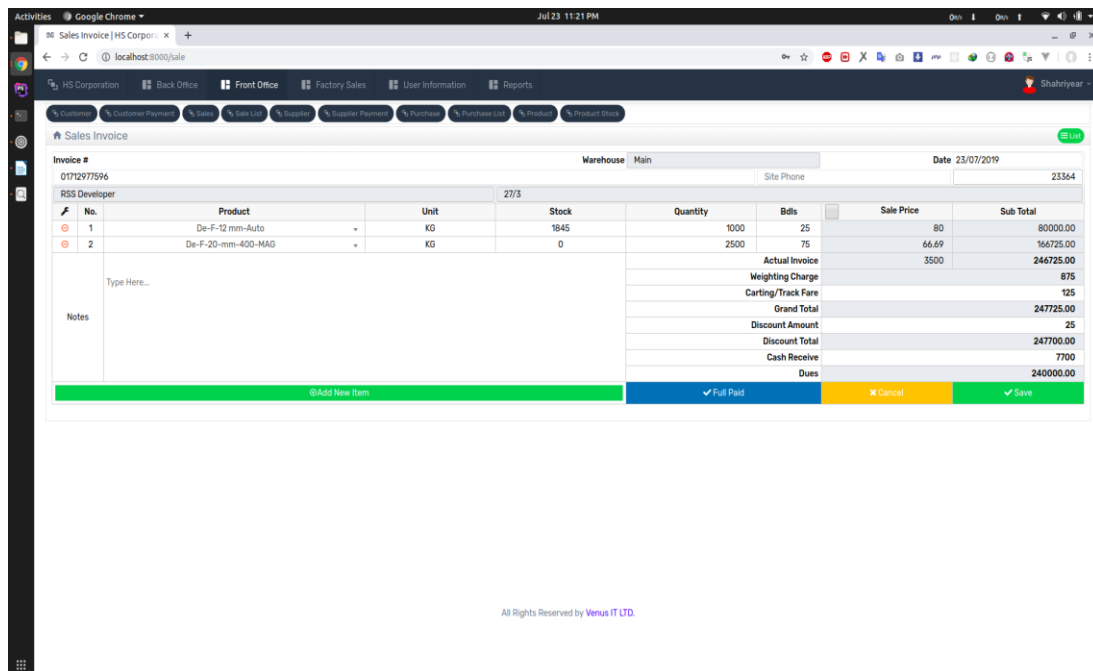


Figure 3.1: Sales Page Layout

Showing 1 to 10 of 27 entries

#	Invoice	Date	Customer	Warehouse	T. Qty	T. Amount	Net. Charge	Cart./Truck Fare	G. Total	D. Amount	D. Total	Paid	Invoice Due	Action
1	119052626	2019-05-26	General Customer	Main	100	5869	0.5	100	5969.5	400	5569.5	5500	69.5	Edit Invoice Challan
2	119052665	2019-05-26	General Customer	Main	20	1173.8	0.75	40	1214.55	100	1114.55	1100	14.55	Edit Invoice Challan
3	119052676	2019-05-26	General Customer	Main	30	1790.7	0.25	10	1800.95	20	1780.95	1780.95	0	Edit Invoice Challan
4	119052687	2019-05-26	General Customer	Main	10	626.9	0.5	1000	1627.4	0	1627.4	100	1527.4	Edit Invoice Challan
5	119052698	2019-05-03	Customer 01	Main	30	1790.7	0.25	1000	2790.95	100	2690.95	2690.95	0	Edit Invoice Challan
6	1190527122	2019-05-27	Customer 01	Main	2100	127035	11.25	1000	128046.25	46.25	128000	28000	100000	Edit Invoice Challan
7	1190528153	2019-05-28	General Customer	Main	1500	90345	4.25	0	90349.25	0	90349.25	90349.25	0	Edit Invoice Challan
8	1190529161	2019-05-29	ish	Main	250	14984.5	0.75	200	15185.25	0	15185.25	15000	185.25	Edit Invoice Challan
9	1190529172	2019-05-29	ish	Main	44	3080	1	44	3125	666	2459	2459	0	Edit Invoice Challan
10	1190529183	2019-05-29	ish	Main	1	80	0.25	4	84.25	50	34.25	34.25	0	Edit Invoice Challan

Previous 1 2 3 Next

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Figure 3.2: Sales List Page Layout

Showing 1 to 5 of 5 entries

#	Code	Name	Phone	Email	Due	Action
1	119071511	General Customer	01711122233	customer@gmail.com	1000.95	Edit Delete
2	119052621	Customer 01	01711122233	asd@assdfasdf.c	140524	Edit Delete
3	119052931	ish	01711566758		-99.25	Edit Delete
4	119060241	Ismail Maimoon	1766633008	imaimoon083@gmail.com	0	Edit Delete
5	119061051	RSS Developer	01712977596	rss@gmail.com	23364	Edit Delete

Previous 1 Next

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Figure 3.3: Customer List Page Layout

Customer information

Name*

Phone*

Email

Previous Due

Address 1

Address 2

+ Address

Save

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Figure 3.4: Customer Entry Page Layout

Manage User

Name*

Username*

Email*

Phone*

Password*

Confirm Password*

Role

---Select One---

Save

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Figure 3.5: User Entry Page Layout

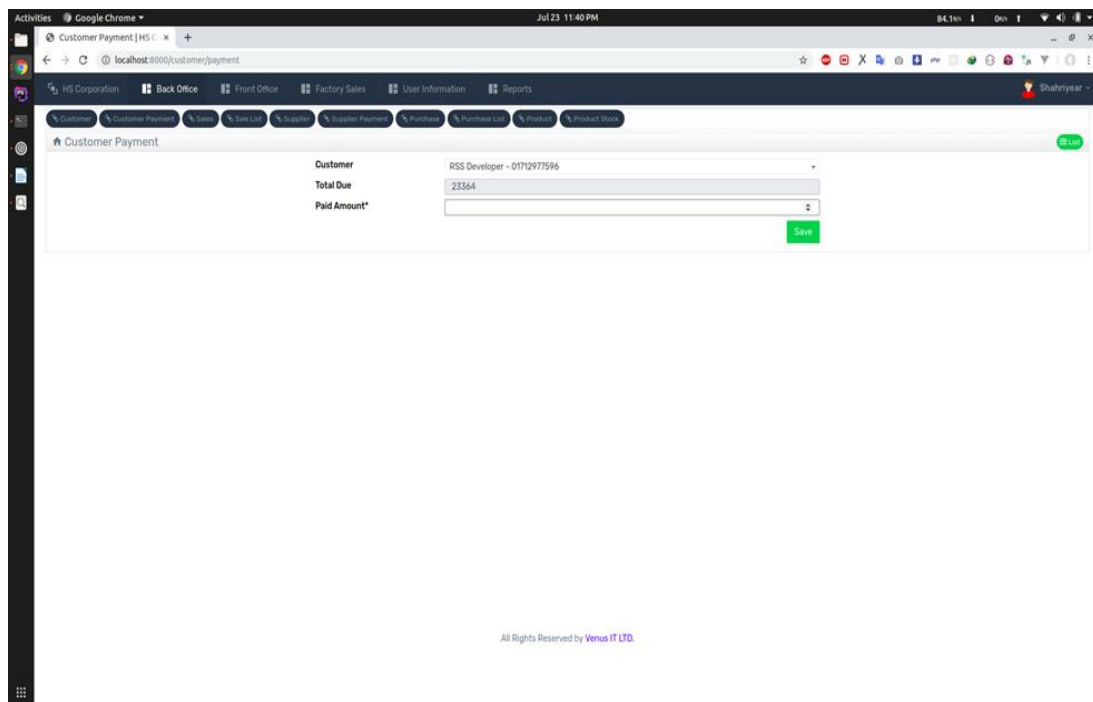


Figure 3.6: Customer Payment Page Layout

Customer Ledger

Customer: General Customer - 01711122233

From: 31-03-2019 To: 23-07-2019

Search

#	Date	Invoice/Transaction	Type	Total	Invoice Paid / Payment	Invoice Due	Balance	Action
1	11/05/2019	-	Previous Due	-	100.00	-	100.00	
2	26/05/2019	119052611	Payment	0.00	10.00	-	90.00	
3	26/05/2019	119052665	Invoice	1194.55	1100.00	14.55	104.55	View
4	26/05/2019	119052676	Invoice	1780.95	1780.95	-	104.55	View
5	26/05/2019	119052644	Payment	0.00	14.00	-	90.55	
6	26/05/2019	119052687	Invoice	1627.40	100.00	1527.40	1617.95	View
7	26/05/2019	119052666	Payment	0.00	617.00	-	1,000.95	
8	29/05/2019	1190528153	Invoice	90,349.25	90,349.25	-	1,000.95	View
9	11/06/2019	1190611291	Invoice	6,686.00	6,686.00	-	1,000.95	View

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Figure 3.7: Customer Ledger Page Layout

#	Code	Name	Unit	Type	Category	Supplier	Cost Price	Sell Price	Action
1	1010	De-F-10 mm-Auto	KG	40 Grade	ROD	General Supplier	54.6	60	/ x
2	1018	De-F-12 mm-Auto	KG	40 Grade	ROD	General Supplier	54.6	80	/ x
3	1026	De-F-16 mm-Auto	KG	40 Grade	ROD	General Supplier	54.6	60.69	/ x
4	1151	De-F-20 mm-Auto	KG	40 Grade	ROD	General Supplier	54.6	61.69	/ x
5	1108	De-F-8 mm-Auto	KG	40 Grade	ROD	General Supplier	54.6	62.69	/ x
6	1170	De-F-10 mm-400-MAG	KG	40 Grade	ROD	General Supplier	54.6	63.69	/ x
7	1174	De-F-12 mm-400-MAG	KG	40 Grade	ROD	General Supplier	54.6	64.69	/ x
8	1175	De-F-16 mm-400-MAG	KG	40 Grade	ROD	General Supplier	54.6	65.69	/ x
9	1206	De-F-20 mm-400-MAG	KG	40 Grade	ROD	General Supplier	54.6	66.69	/ x
10	1209	De-F-8 mm-400-MAG	KG	40 Grade	ROD	General Supplier	54.6	67.69	/ x
11	1218	De-F-20 mm-FRESH 500	KG	40 Grade	ROD	General Supplier	54.6	68.69	/ x
12	1219	De-F-12 mm-FRESH 500	KG	40 Grade	ROD	General Supplier	54.6	69.69	/ x
13	1220	De-F-16 mm-FRESH 500	KG	40 Grade	ROD	General Supplier	54.6	70.69	/ x
14	1221	De-F-20 mm-FRESH 500	KG	40 Grade	ROD	General Supplier	54.6	71.69	/ x
15	1189	De-F-10 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	72.69	/ x
16	1188	De-F-10 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	73.69	/ x
17	1191	De-F-12 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	74.69	/ x
18	1190	De-F-12 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	75.69	/ x
19	1193	De-F-16 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	76.69	/ x
20	1192	De-F-16 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	77.69	/ x
21	1195	De-F-20 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	78.69	/ x
22	1194	De-F-20 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	79.69	/ x
23	1197	De-F-22 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	80.69	/ x
24	1196	De-F-22 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	81.69	/ x
25	1199	De-F-25 mm-BANDAR-400	KG	40 Grade	ROD	General Supplier	54.6	82.69	/ x
26	1198	De-F-25 mm-BANDAR-500	KG	40 Grade	ROD	General Supplier	54.6	83.69	/ x
27	1212	De-F-10 mm-ANNARS-500	KG	40 Grade	ROD	General Supplier	54.6	84.69	/ x
28	1213	De-F-12 mm-ANNARS-501	KG	40 Grade	ROD	General Supplier	54.6	85.69	/ x
29	1214	De-F-16 mm-ANNARS-500	KG	40 Grade	ROD	General Supplier	54.6	86.69	/ x
30	1215	De-F-20 mm-ANNARS-500	KG	40 Grade	ROD	General Supplier	54.6	40	/ x
31	1214	De-F-8 mm-ANNARS-500	KG	40 Grade	ROD	General Supplier	54.6	86.69	/ x

Figure 3.8: Product List Page Layout

Category*

Product Name*

Unit*

Current Stock*

Supplier*

Type*

Cost Price*

Sale Price*

Figure 3.9: Product Entry Page Layout

#	Product	Warehouse	Current Quantity	Unit	Adjust
1	De-F-10 mm-Auto	Main	389	KG	Adjust
2	De-F-12 mm-Auto	Main	1845	KG	Adjust
3	De-F-16 mm-Auto	Main	-2644	KG	Adjust
4	De-F-20 mm-Auto	Main	-656	KG	Adjust
5	De-F-8 mm-Auto	Main	-207	KG	Adjust
6	De-F-10 mm-400-MAG	Main	0	KG	Adjust
7	De-F-12 mm-400-MAG	Main	0	KG	Adjust
8	De-F-16 mm-400-MAG	Main	0	KG	Adjust
9	De-F-20 mm-400-MAG	Main	0	KG	Adjust
10	De-F-8 mm-400-MAG	Main	0	KG	Adjust
11	De-F-20 mm-FRESH 500	Main	-500	KG	Adjust
12	De-F-12 mm-FRESH 500	Main	0	KG	Adjust
13	De-F-16 mm-FRESH 500	Main	0	KG	Adjust
14	De-F-20 mm-FRESH 500	Main	0	KG	Adjust
15	De-F-10 mm-BANDAR-400	Main	0	KG	Adjust
16	De-F-10 mm-BANDAR-500	Main	0	KG	Adjust
17	De-F-12 mm-BANDAR-400	Main	0	KG	Adjust
18	De-F-12 mm-BANDAR-500	Main	0	KG	Adjust
19	De-F-16 mm-BANDAR-400	Main	0	KG	Adjust
20	De-F-16 mm-BANDAR-500	Main	0	KG	Adjust
21	De-F-20 mm-BANDAR-400	Main	0	KG	Adjust
22	De-F-20 mm-BANDAR-500	Main	0	KG	Adjust
23	De-F-22 mm-BANDAR-400	Main	0	KG	Adjust
24	De-F-22 mm-BANDAR-500	Main	0	KG	Adjust
25	De-F-25 mm-BANDAR-400	Main	0	KG	Adjust
26	De-F-25 mm-BANDAR-500	Main	0	KG	Adjust
27	De-F-10 mm-ANWARS-500	Main	0	KG	Adjust
28	De-F-12 mm-ANWARS-501	Main	0	KG	Adjust
29	De-F-16 mm-ANWARS-500	Main	0	KG	Adjust
30	De-F-20 mm-ANWARS-500	Main	0	KG	Adjust
31	De-F-22 mm-ANWARS-500	Main	0	KG	Adjust
32	De-F-25 mm-ANWARS-500	Main	0	KG	Adjust
33	De-F-8 mm-ANWARS-500	Main	0	KG	Adjust

Figure 3.10: Inventory Page Layout

#	Product	Warehouse	Current Quantity	Unit	Adjust
1	De-F-10 mm-Auto	Main	389	KG	Adjust
2	De-F-12 mm-Auto	Main	1845	KG	Adjust
3	De-F-16 mm-Auto	Main	-2644	KG	Adjust
4	De-F-20 mm-Auto	Main	-656	KG	Adjust
5	De-F-8 mm-Auto	Main	-207	KG	Adjust
6	De-F-10 mm-400-MAG	Main	0	KG	Adjust
7	De-F-12 mm-400-MAG	Main	0	KG	Adjust
8	De-F-16 mm-400-MAG	Main	0	KG	Adjust
9	De-F-20 mm-400-MAG	Main	0	KG	Adjust
10	De-F-8 mm-400-MAG	Main	0	KG	Adjust
11	De-F-20 mm-FRESH 500	Main	-500	KG	Adjust
12	De-F-12 mm-FRESH 500	Main	0	KG	Adjust
13	De-F-16 mm-FRESH 500	Main	0	KG	Adjust
14	De-F-20 mm-FRESH 500	Main	0	KG	Adjust
15	De-F-10 mm-BANDAR-400	Main	0	KG	Adjust
16	De-F-10 mm-BANDAR-500	Main	0	KG	Adjust
17	De-F-12 mm-BANDAR-400	Main	0	KG	Adjust
18	De-F-12 mm-BANDAR-500	Main	0	KG	Adjust
19	De-F-16 mm-BANDAR-400	Main	0	KG	Adjust
20	De-F-16 mm-BANDAR-500	Main	0	KG	Adjust
21	De-F-20 mm-BANDAR-400	Main	0	KG	Adjust
22	De-F-20 mm-BANDAR-500	Main	0	KG	Adjust
23	De-F-22 mm-BANDAR-400	Main	0	KG	Adjust
24	De-F-22 mm-BANDAR-500	Main	0	KG	Adjust
25	De-F-25 mm-BANDAR-400	Main	0	KG	Adjust
26	De-F-25 mm-BANDAR-500	Main	0	KG	Adjust
27	De-F-10 mm-ANWARS-500	Main	0	KG	Adjust
28	De-F-12 mm-ANWARS-501	Main	0	KG	Adjust
29	De-F-16 mm-ANWARS-500	Main	0	KG	Adjust
30	De-F-20 mm-ANWARS-500	Main	0	KG	Adjust
31	De-F-22 mm-ANWARS-500	Main	0	KG	Adjust
32	De-F-25 mm-ANWARS-500	Main	0	KG	Adjust
33	De-F-8 mm-ANWARS-500	Main	0	KG	Adjust

Adjust Product

Name:

Current Quantity:

Figure 3.11: Adjust Inventory Stock Page Layout

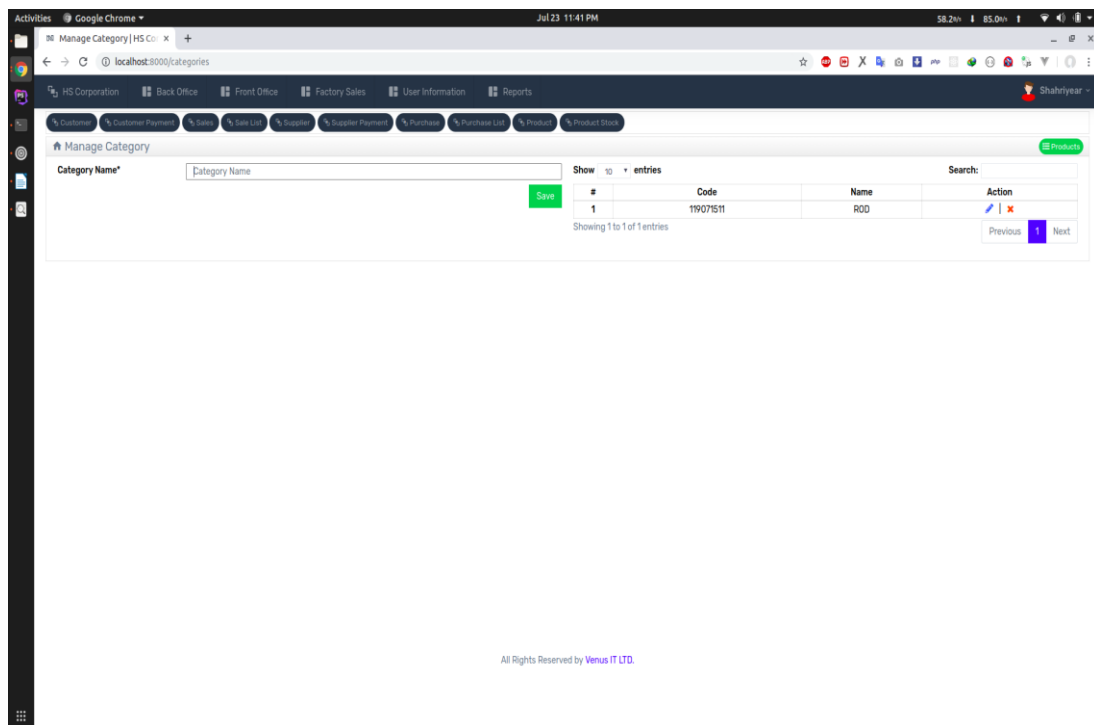


Figure 3.12: Category Entry Page Layout

Customer Wise Search

Customer: All From: 24-02-2019 To: 23-07-2019

#	Invoice	Date	Customer	Warehouse	T. Qty	T. Amount	Net. Charge	Cart./Truck Fare	G. Total	D. Amount	D. Total	Paid	Invoice Due	Action
1	119052626	2019-05-26	General Customer	Main	100	5869	0.5	100	5969.5	400	5569.5	5500	69.5	Edit Invoice Challan
2	119052665	2019-05-26	General Customer	Main	20	1173.8	0.75	40	1214.55	100	1114.55	1100	14.55	Edit Invoice Challan
3	119052676	2019-05-26	General Customer	Main	30	1790.7	0.25	10	1800.95	20	1780.95	1780.95	0	Edit Invoice Challan
4	119052687	2019-05-26	General Customer	Main	10	626.9	0.5	1000	1627.4	0	1627.4	100	1527.4	Edit Invoice Challan
5	119052698	2019-05-03	Customer 01	Main	30	1790.7	0.25	1000	2790.95	100	2690.95	2690.95	0	Edit Invoice Challan
6	1190527122	2019-05-27	Customer 01	Main	2100	127035	11.25	1000	128046.25	46.25	128000	28000	100000	Edit Invoice Challan
7	1190528153	2019-05-28	General Customer	Main	1500	90345	4.25	0	90349.25	0	90349.25	90349.25	0	Edit Invoice Challan
8	1190529161	2019-05-29	ish	Main	250	14984.5	0.75	200	15185.25	0	15185.25	15000	185.25	Edit Invoice Challan
9	1190529172	2019-05-29	ish	Main	44	3080	1	44	3125	666	2459	2459	0	Edit Invoice Challan
10	1190529183	2019-05-29	ish	Main	1	80	0.25	4	84.25	50	34.25	34.25	0	Edit Invoice Challan
11	1190529194	2019-05-29	ish	Main	2	150	0.25	4	154.25	5	149.25	149.25	0	Edit Invoice Challan
12	1190529205	2019-05-29	ish	Main	3	240	0.25	0	240.25	0	240.25	240.25	0	Edit Invoice Challan
13	1190529216	2019-05-29	ish	Main	1000	61690	0.25	0	61690.25	0	61690.25	61690.25	0	Edit Invoice Challan
14	1190529227	2019-05-29	ish	Main	400	24276	0.5	0	24276.5	0	24276.5	24276.5	0.5	Edit Invoice Challan
15	1190529238	2019-05-29	ish	Main	150	9253.5	37.5	52	9343	333	9010	9010	0	Edit Invoice Challan
16	1190529249	2019-05-29	Customer 01	Main	15	1530.35	3.75	20	1554	100	1454	1454	0	Edit Invoice Challan
17	11905292510	2019-05-29	Customer 01	Main	5	400	1.25	10	411	0	411	410	1	Edit Invoice Challan
18	1190610261	2019-06-10	RSS Developer	Main	1400	104276	350	300	104926	200	104726	104726	0	Edit Invoice Challan
19	1190610272	2019-06-10	RSS Developer	Main	800	50676	200	400	51276	0	51276	50000	1276	Edit Invoice Challan
20	1190610283	2019-06-05	RSS Developer	Main	300	20000	75	1999	22074	0	22074	22000	74	Edit Invoice Challan
21	1190611291	2019-06-11	General Customer	Main	110	6669	27.5	44	6741	55	6686	6686	0	Edit Invoice Challan
22	1190611302	2019-06-11	Customer 01	Main	43	2612.67	10.75	4	2627	2	2625	2	2623	Edit Invoice Challan
23	1190611313	2019-06-11	RSS Developer	Main	6	368.14	1.5	30	400	2	398	1	397	Edit Invoice Challan
Grand Total					9260	591198.00	964.00	11325.00	603487.00	2787.00	600699.00	432914.00	167785.00	

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Figure 3.13: Customer Wise Invoice Page Layout

And many more similar pages based on those layouts.

After completed the Layouts I started to work with Database Design which is designed in PHPMYSQL. Analyzing the requirement I found 26 tables for this POS application and the Table Details and relations.

Table	Action	Rows	Type	Collation	Size	Overhead
addresses	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	48 KiB	-
banks	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	32 KiB	-
branches	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	48 KiB	-
categories	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32 KiB	-
companies	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32 KiB	-
customers	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	48 KiB	-
customer_payments	Browse Structure Search Insert Empty Drop	36	InnoDB	utf8mb4_unicode_ci	44 KiB	-
master_inventories	Browse Structure Search Insert Empty Drop	83	InnoDB	utf8mb4_unicode_ci	48 KiB	-
migrations	Browse Structure Search Insert Empty Drop	21	InnoDB	utf8mb4_unicode_ci	16 KiB	-
model_has_permissions	Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_unicode_ci	32 KiB	-
model_has_roles	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	32 KiB	-
password_resets	Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_unicode_ci	32 KiB	-
permissions	Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_unicode_ci	16 KiB	-
products	Browse Structure Search Insert Empty Drop	83	InnoDB	utf8mb4_unicode_ci	96 KiB	-
purchase_details	Browse Structure Search Insert Empty Drop	14	InnoDB	utf8mb4_unicode_ci	44 KiB	-
purchase_masters	Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_unicode_ci	44 KiB	-
roles	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	32 KiB	-
role_has_permissions	Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_unicode_ci	32 KiB	-
role_has_roles	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	32 KiB	-
sale_details	Browse Structure Search Insert Empty Drop	47	InnoDB	utf8mb4_unicode_ci	44 KiB	-
sale_masters	Browse Structure Search Insert Empty Drop	31	InnoDB	utf8mb4_unicode_ci	44 KiB	-
suppliers	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	48 KiB	-
supplier_payments	Browse Structure Search Insert Empty Drop	19	InnoDB	utf8mb4_unicode_ci	44 KiB	-
types	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	32 KiB	-
units	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32 KiB	-
users	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	44 KiB	-
warehouses	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	48 KiB	-
Sum		264	InnoDB	latin1_swedish_ci	1.1 MiB	0.8

Figure 3.14: Database Tables

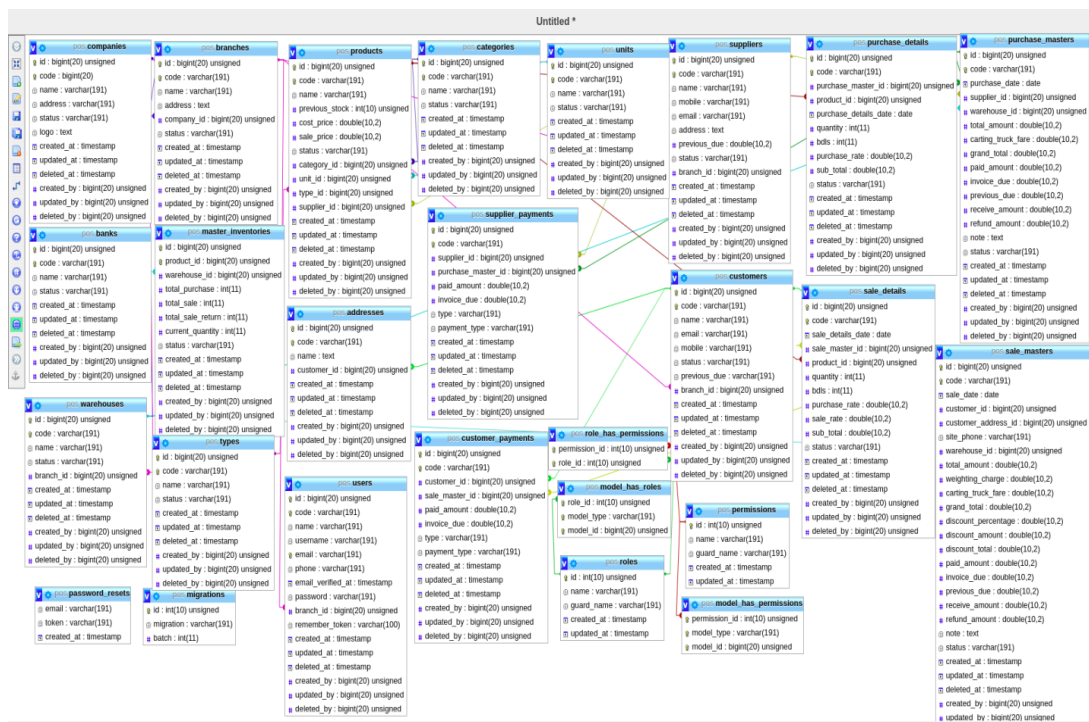


Figure 3.15: Relational Table View

And then I started to Code for the project.

To develop software like point of sale security is must so I decided to start with user create and login panel.

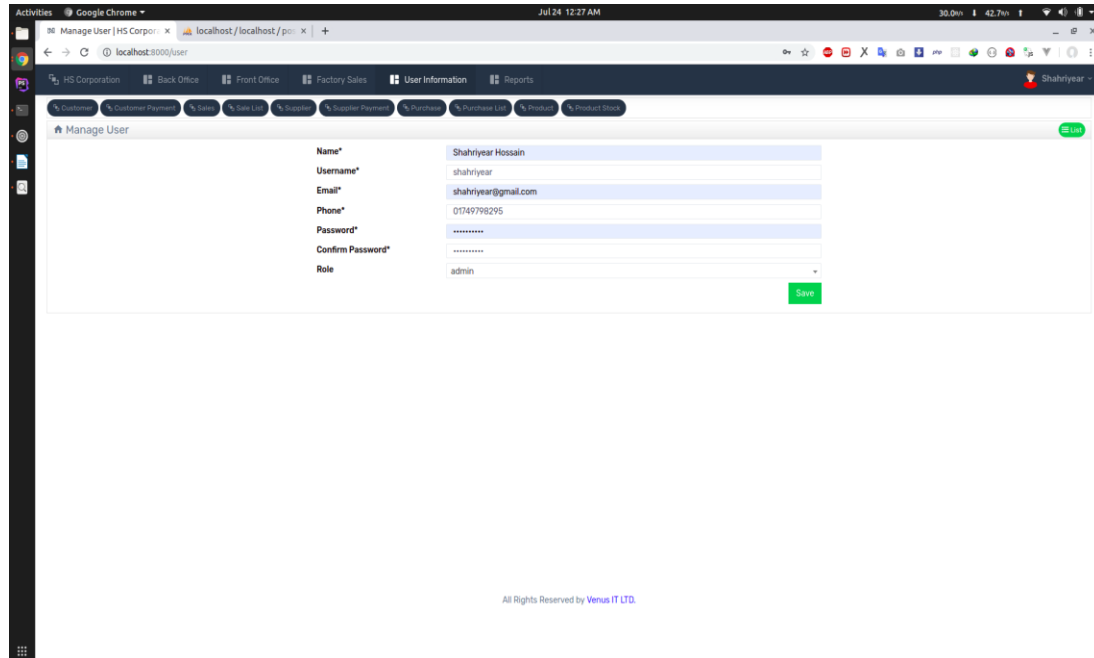


Figure 3.16: Create a new User

Then I made the login and logout user with proper authentication.

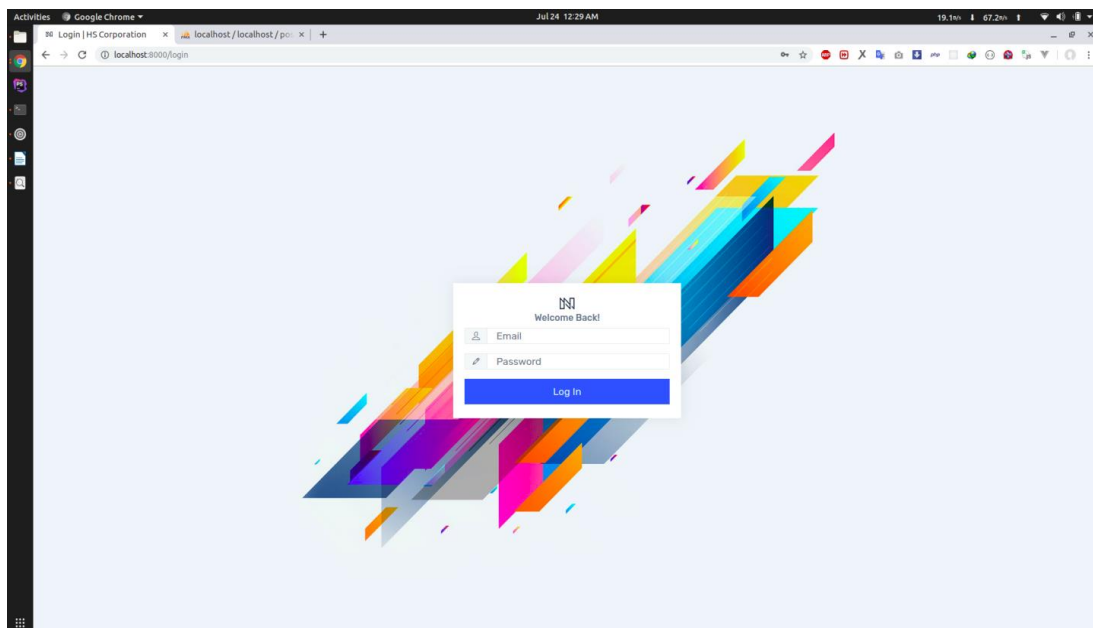


Figure 3.17: Login Page

After Valid login user can go to the Dashboard.

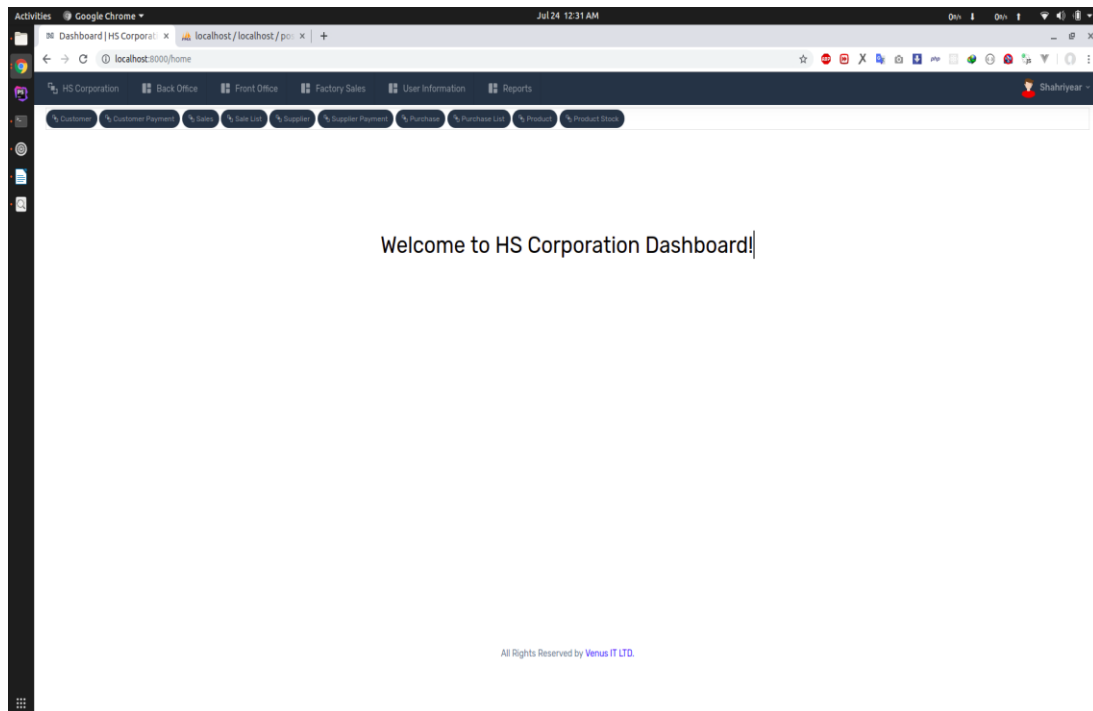


Figure 3.18: Application Dashboard

Then I start to add the company details where User can set there company name, address, and logo.

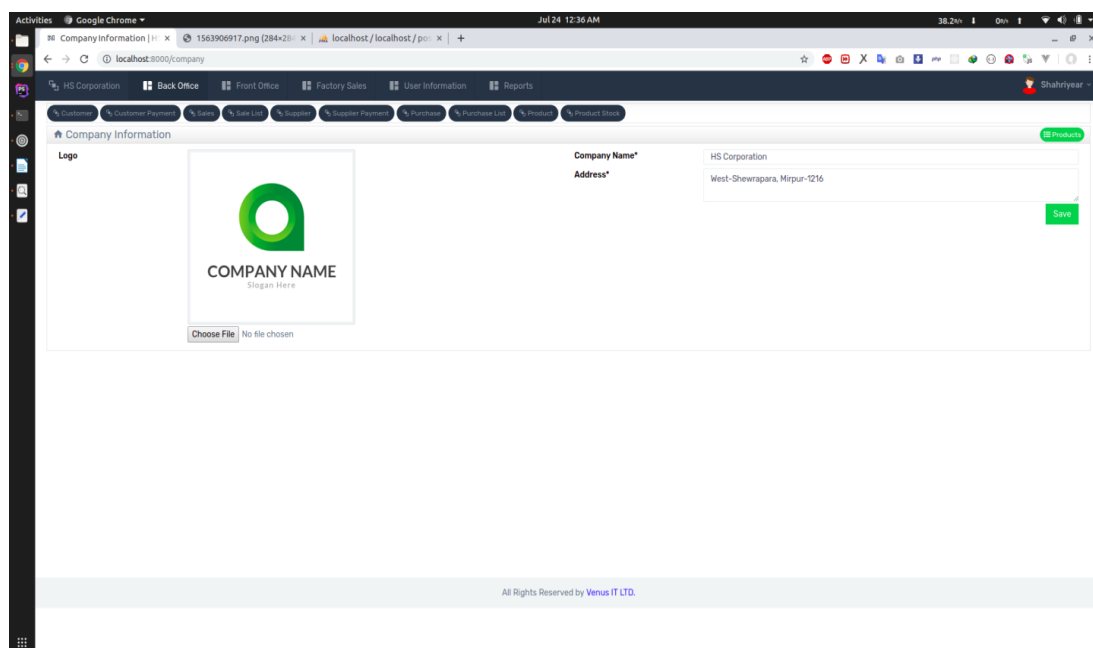


Figure 3.19: Company details Entry

After That I start to add the company branches where branch name and address will be stored. Because Company has more than one branches.

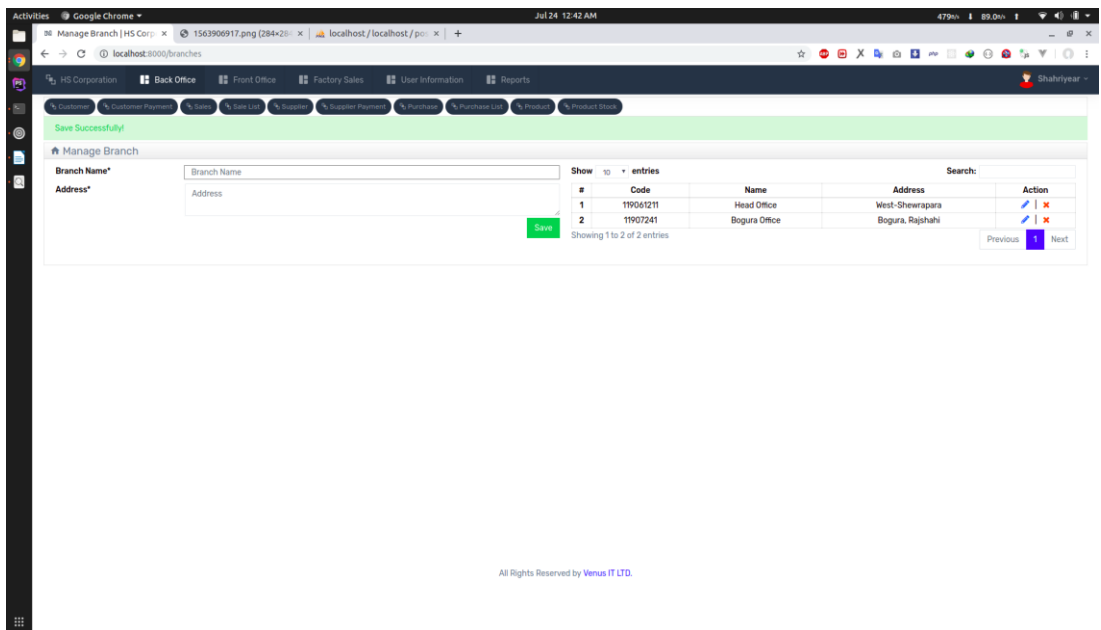


Figure 3.20: Branch Entry and List

Then I start to add the company Warehouse details where User can Set there warehouses.

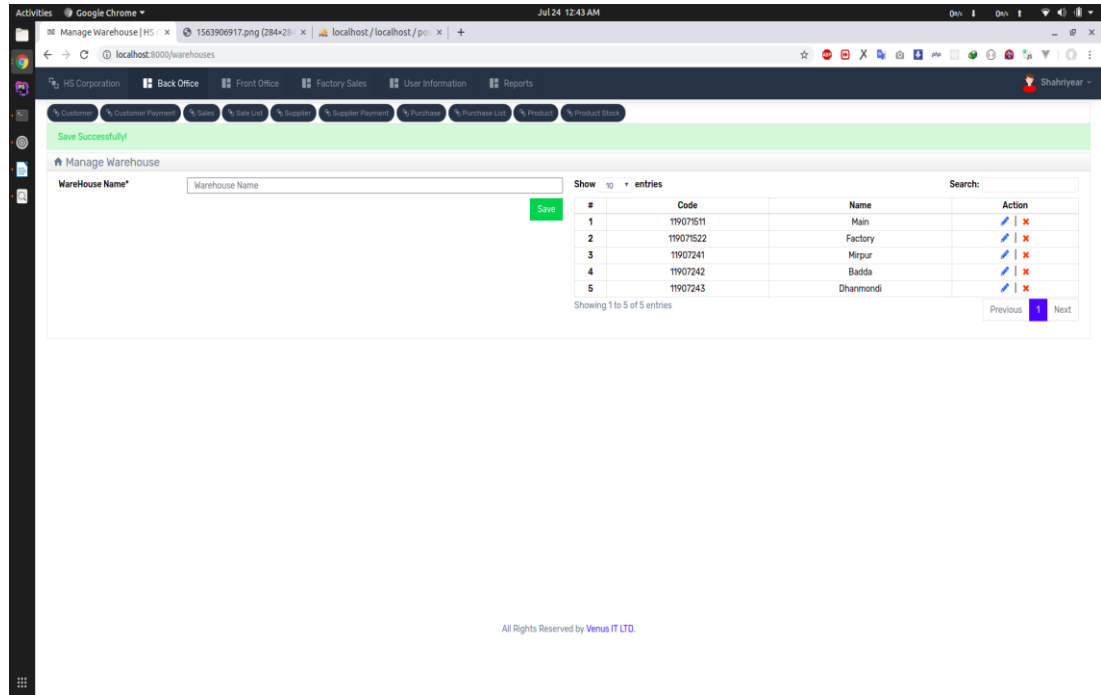


Figure 3.21: Warehouse Entry and List

Then I start to add the Supplier and Customer Details Entry form.

Supplier Information

Name:

Email:

Address:

Previous Due:

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Figure 3.22: Supplier entry Form

Figure 3.23: Supplier Lists

Customer Information

Name:

Phone:

Email:

Previous Due:

Address 1:

Address 2:

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Figure 3.24: Customer Entry Form

Figure 3.25: Customer Lists

Then I start to add the Products where User can set there company products category, type, current stock, cost price, and sale price, unit, and product name/model and supplier details.

Figure 3.26: Product Entry

For done this I had to add more essential functions like add category, add type, add unit.

Category Name	ID	Code	Name	Action
	1	19927918	Box	Edit Delete
	2	19927920	Angel	Edit Delete
	3	19927922	Square	Edit Delete

Figure 3.27: Category Entry and List

Unit Name	ID	Code	Name	Action
	1	19927918	Box	Edit Delete
	2	19927920	Angel	Edit Delete
	3	19927922	Square	Edit Delete

Figure 3.28: Unit Entry and List

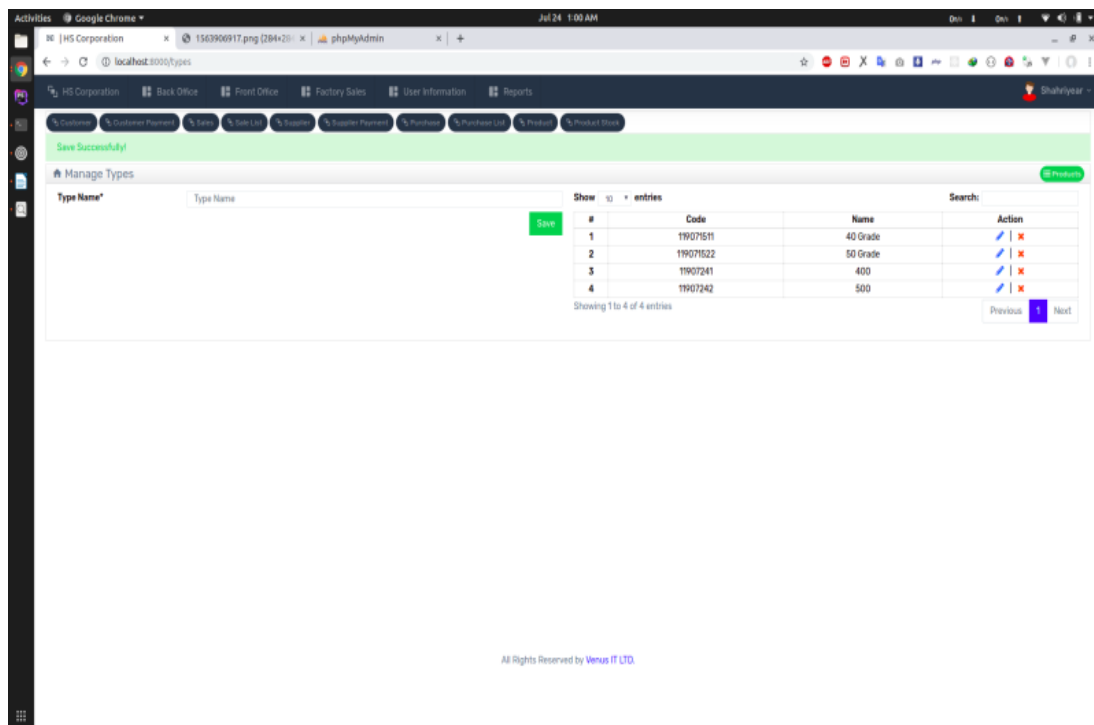


Figure 3.29: Types Entry and List

Then I start to add the Purchase Products invoice from the supplier and calculate the amounts based on quantity and price and also added supplier advance or due in this invoice.

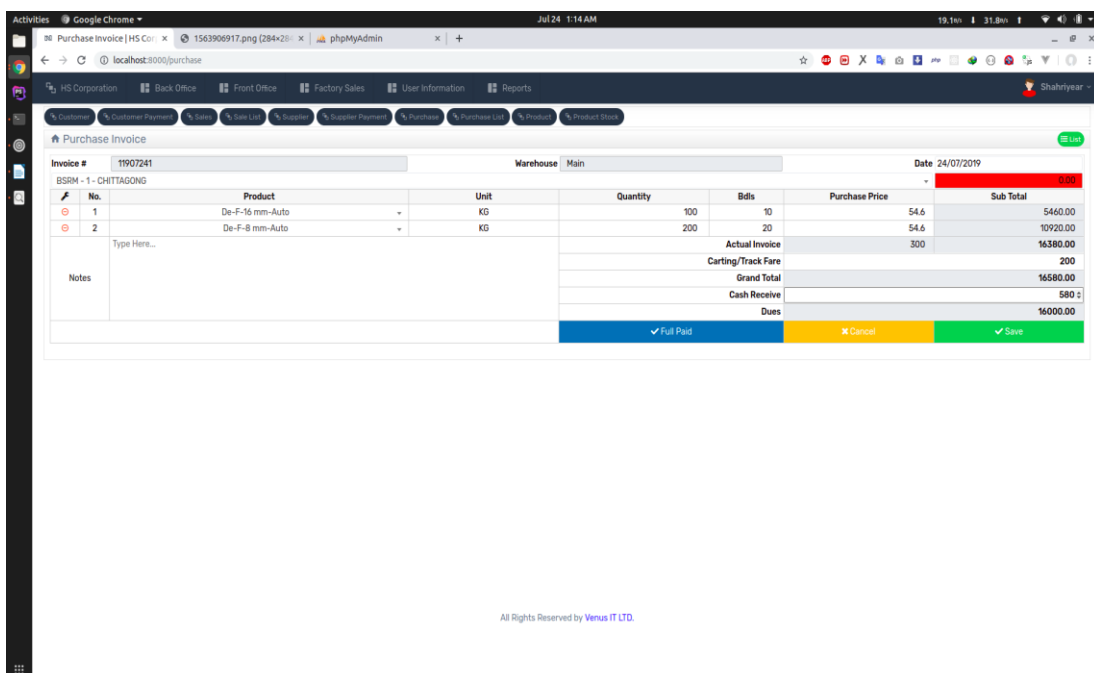


Figure 3.30: Purchase Invoice Entry

Then I start to add the Supplier Due Payments.

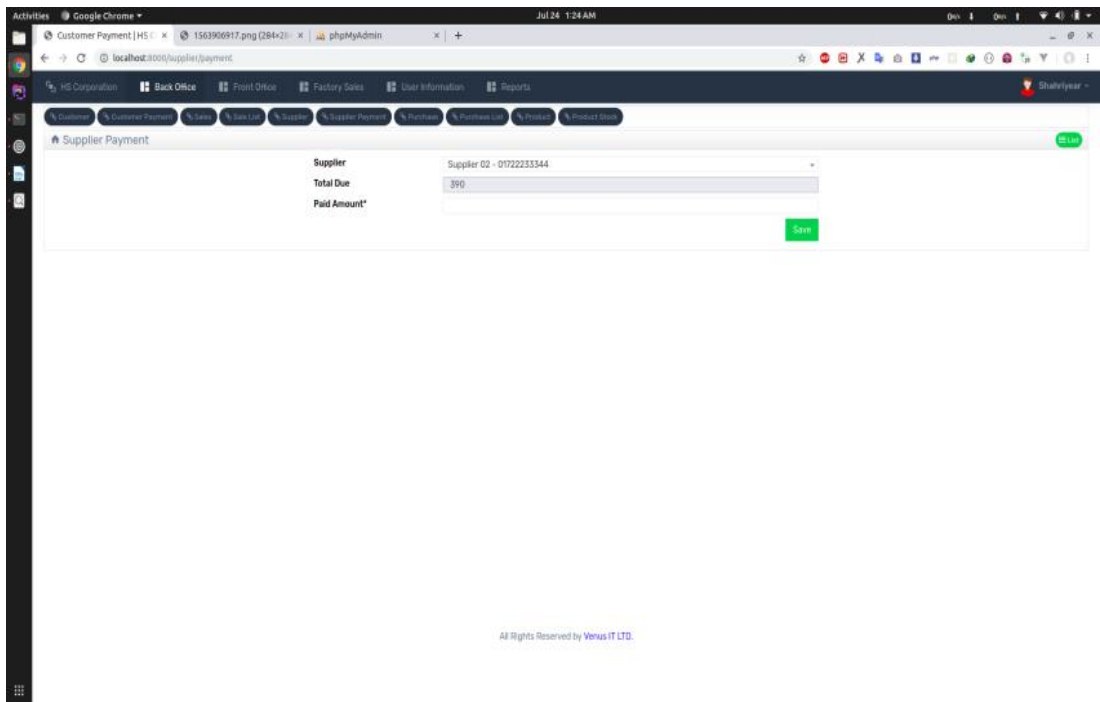


Figure 3.31: Supplier Payments

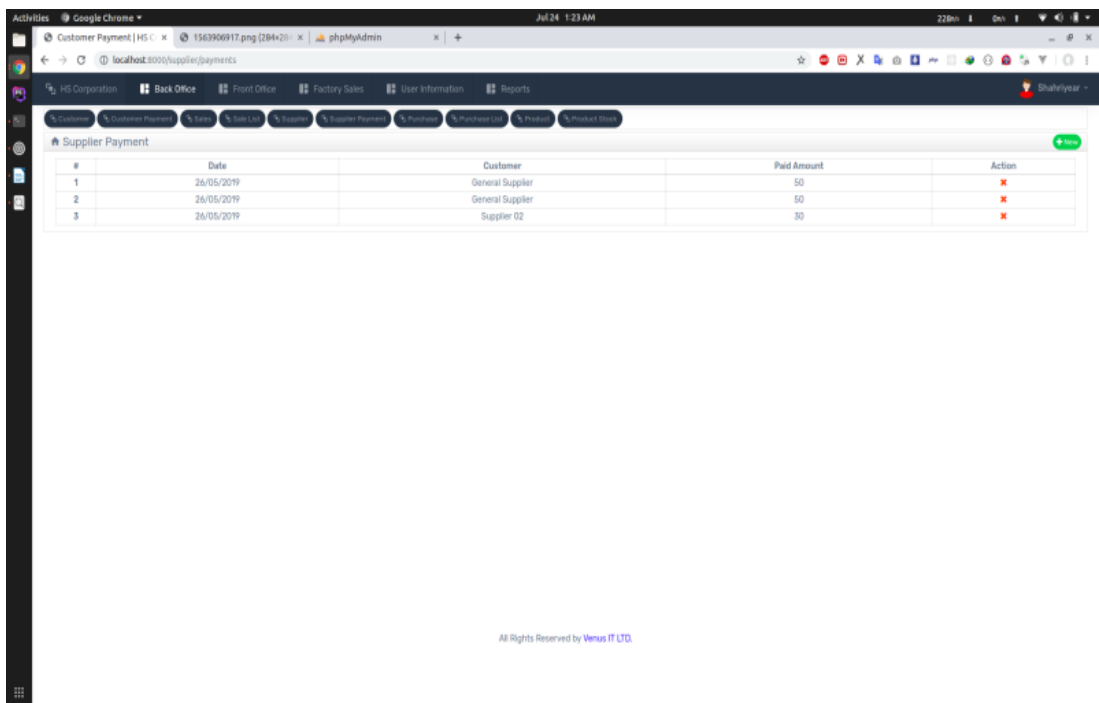


Figure 3.32: Supplier Payment List

Similarly added the Sale Products in voice to the Customer and calculate the amounts based on quantity and price and also added customer advance or due in this invoice.

Invoice # 0171566758 Warehouse: Main Date: 24/07/2019

No.	Product	Unit	Stock	Quantity	Bids	Sale Price	Sub Total
1	De-F-12 mm-Auto	KG	1845	500	10	80	40000.00
2	De-F-16 mm-BANDAR-400	KG	0	1000	25	76.69	76690.00
3	De-F-16 mm-Auto	KG	-2644	2500	100	60.69	151725.00

Actual Invoice: 4000 Sub Total: 268415.00

Weighting Charge: 1000

Carting/Track Fare: 5000

Grand Total: 274415.00

Discount Amount: 415

Discount Total: 274000.00

Cash Receive: 4000

Dues: 270000.00

Buttons: Add New Item, Full Paid, Cancel, Save

Figure 3.33: Sales Invoice Entry

Customer Payment

#	Date	Customer	Paid Amount	Action
1	24/07/2019	General Supplier	50	
2	24/07/2019	General Supplier	50	
3	24/07/2019	Supplier 02	50	

Buttons: Add New Item, Save

Figure 3.34: Customer Payment List

Customer Payment

Customer: 003 Supplier-07370706

Total Due: 1000

Paid Amount: 100

Buttons: Save

Figure 3.35: Customer Payment

And then I calculate the Products current stocks based on Purchase and Sales.

#	Product	Warehouse	Current Quantity	Unit	Adjust
1	De-F-10 mm-Auto	Main	389	KG	Adjust
2	De-F-12 mm-Auto	Main	1845	KG	Adjust
3	De-F-16 mm-Auto	Main	-2644	KG	Adjust
4	De-F-20 mm-Auto	Main	-656	KG	Adjust
5	De-F-8 mm-Auto	Main	-207	KG	Adjust
6	De-F-10 mm-400-MAG	Main	0	KG	Adjust
7	De-F-12 mm-400-MAG	Main	0	KG	Adjust
8	De-F-16 mm-400-MAG	Main	0	KG	Adjust
9	De-F-20 mm-400-MAG	Main	0	KG	Adjust
10	De-F-8 mm-400-MAG	Main	0	KG	Adjust
11	De-F-20 mm-FRESH 500	Main	-500	KG	Adjust
12	De-F-12 mm-FRESH 500	Main	0	KG	Adjust
13	De-F-16 mm-FRESH 500	Main	0	KG	Adjust
14	De-F-20 mm-FRESH 500	Main	0	KG	Adjust
15	De-F-10 mm-BANDAR-400	Main	0	KG	Adjust
16	De-F-10 mm-BANDAR-500	Main	0	KG	Adjust
17	De-F-12 mm-BANDAR-400	Main	0	KG	Adjust
18	De-F-12 mm-BANDAR-500	Main	0	KG	Adjust
19	De-F-16 mm-BANDAR-400	Main	0	KG	Adjust
20	De-F-16 mm-BANDAR-500	Main	0	KG	Adjust
21	De-F-20 mm-BANDAR-400	Main	0	KG	Adjust
22	De-F-20 mm-BANDAR-500	Main	0	KG	Adjust
23	De-F-22 mm-BANDAR-400	Main	0	KG	Adjust
24	De-F-22 mm-BANDAR-500	Main	0	KG	Adjust
25	De-F-25 mm-BANDAR-400	Main	0	KG	Adjust
26	De-F-25 mm-BANDAR-500	Main	0	KG	Adjust
27	De-F-10 mm-ANWARS-500	Main	0	KG	Adjust
28	De-F-12 mm-ANWARS-501	Main	0	KG	Adjust
29	De-F-16 mm-ANWARS-500	Main	0	KG	Adjust
30	De-F-20 mm-ANWARS-500	Main	0	KG	Adjust
31	De-F-22 mm-ANWARS-500	Main	0	KG	Adjust
32	De-F-25 mm-ANWARS-500	Main	0	KG	Adjust
33	De-F-8 mm-ANWARS-500	Main	0	KG	Adjust

Figure 3.36: Products Inventory Stocks/Current Quantity.

User can adjust quantity if anything goes wrong.

Adjust Product

Name: De-F-16 mm-Auto

Current Quantity: -2644

Save

#	Product	Warehouse	Current Quantity	Unit	Adjust
1	De-F-10 mm-Auto	Main	389	KG	Adjust
2	De-F-12 mm-Auto	Main	1845	KG	Adjust
3	De-F-16 mm-Auto	Main	-2644	KG	Adjust
4	De-F-20 mm-Auto	Main	-656	KG	Adjust
5	De-F-8 mm-Auto	Main	-207	KG	Adjust
6	De-F-10 mm-400-MAG	Main	0	KG	Adjust
7	De-F-12 mm-400-MAG	Main	0	KG	Adjust
8	De-F-16 mm-400-MAG	Main	0	KG	Adjust
9	De-F-20 mm-400-MAG	Main	0	KG	Adjust
10	De-F-8 mm-400-MAG	Main	0	KG	Adjust
11	De-F-20 mm-FRESH 500	Main	-500	KG	Adjust
12	De-F-12 mm-FRESH 500	Main	0	KG	Adjust
13	De-F-16 mm-FRESH 500	Main	0	KG	Adjust
14	De-F-20 mm-FRESH 500	Main	0	KG	Adjust
15	De-F-10 mm-BANDAR-400	Main	0	KG	Adjust
16	De-F-10 mm-BANDAR-500	Main	0	KG	Adjust
17	De-F-12 mm-BANDAR-400	Main	0	KG	Adjust
18	De-F-12 mm-BANDAR-500	Main	0	KG	Adjust
19	De-F-16 mm-BANDAR-400	Main	0	KG	Adjust
20	De-F-16 mm-BANDAR-500	Main	0	KG	Adjust
21	De-F-20 mm-BANDAR-400	Main	0	KG	Adjust
22	De-F-20 mm-BANDAR-500	Main	0	KG	Adjust
23	De-F-22 mm-BANDAR-400	Main	0	KG	Adjust
24	De-F-22 mm-BANDAR-500	Main	0	KG	Adjust
25	De-F-25 mm-BANDAR-400	Main	0	KG	Adjust
26	De-F-25 mm-BANDAR-500	Main	0	KG	Adjust
27	De-F-10 mm-ANWARS-500	Main	0	KG	Adjust
28	De-F-12 mm-ANWARS-501	Main	0	KG	Adjust
29	De-F-16 mm-ANWARS-500	Main	0	KG	Adjust
30	De-F-20 mm-ANWARS-500	Main	0	KG	Adjust
31	De-F-22 mm-ANWARS-500	Main	0	KG	Adjust
32	De-F-25 mm-ANWARS-500	Main	0	KG	Adjust
33	De-F-8 mm-ANWARS-500	Main	0	KG	Adjust

Figure 3.37: Product Current Quantity Adjustment.

And Finally I Started Reporting.

Customer Wise Date to Date Search the Invoices and their actions and grand total.

#	Invoice	Date	Customer	Warehouse	T. Qty	T. Amount	Wet. Charge	Cart./Truck Fare	G. Total	D. Amount	D. Total	Paid	Invoice Due	Action
1	119052626	2019-05-26	General Customer	Main	100	5869	0.5	100	5969.5	400	5569.5	5500	69.5	Edit Invoice Challan
2	119052665	2019-05-26	General Customer	Main	20	1173.8	0.75	40	1214.55	100	1114.55	1100	14.55	Edit Invoice Challan
3	119052676	2019-05-26	General Customer	Main	30	1790.7	0.25	10	1800.95	20	1780.95	1780.95	0	Edit Invoice Challan
4	119052687	2019-05-26	General Customer	Main	10	626.9	0.5	1000	1627.4	0	1627.4	100	1527.4	Edit Invoice Challan
5	119052698	2019-05-03	Customer 01	Main	30	1790.7	0.25	1000	2790.95	100	2690.95	2690.95	0	Edit Invoice Challan
6	1190527122	2019-05-27	Customer 01	Main	2100	127035	11.25	1000	128046.25	46.25	128000	28000	100000	Edit Invoice Challan
7	1190528153	2019-05-28	General Customer	Main	1500	90345	4.25	0	90349.25	0	90349.25	90349.25	0	Edit Invoice Challan
8	1190529161	2019-05-29	ish	Main	250	14984.5	0.75	200	15185.25	0	15185.25	15000	185.25	Edit Invoice Challan
9	1190529172	2019-05-29	ish	Main	44	3080	1	44	3125	666	2459	2459	0	Edit Invoice Challan
10	1190529183	2019-05-29	ish	Main	1	80	0.25	4	84.25	50	34.25	34.25	0	Edit Invoice Challan
11	1190529194	2019-05-29	ish	Main	2	150	0.25	4	154.25	5	149.25	149.25	0	Edit Invoice Challan
12	1190529205	2019-05-29	ish	Main	3	240	0.25	0	240.25	0	240.25	240.25	0	Edit Invoice Challan
13	1190529216	2019-05-29	ish	Main	1000	61690	0.25	0	61690.25	0	61690.25	61690.25	0	Edit Invoice Challan
14	1190529227	2019-05-29	ish	Main	400	24276	0.5	0	24276.5	0	24276.5	24276	0.5	Edit Invoice Challan
15	1190529238	2019-05-29	ish	Main	150	9253.5	37.5	52	9343	333	9010	9010	0	Edit Invoice Challan
16	1190529249	2019-05-29	Customer 01	Main	15	1530.35	3.75	20	1554	100	1454	1454	0	Edit Invoice Challan
17	11905292510	2019-05-29	Customer 01	Main	5	400	1.25	10	411	0	411	410	1	Edit Invoice Challan
18	1190610261	2019-06-10	RSS Developer	Main	1400	104276	350	300	104926	200	104726	104726	0	Edit Invoice Challan
19	1190610272	2019-06-10	RSS Developer	Main	800	50676	200	400	51276	0	51276	50000	1276	Edit Invoice Challan
20	1190610283	2019-06-05	RSS Developer	Main	300	20000	75	1999	22074	0	22074	22000	74	Edit Invoice Challan
21	1190611291	2019-06-11	General Customer	Main	110	6669	27.5	44	6741	55	6686	6686	0	Edit Invoice Challan
22	1190611302	2019-06-11	Customer 01	Main	43	2612.67	10.75	4	2627	2	2625	2	2623	Edit Invoice Challan
23	1190611313	2019-06-11	RSS Developer	Main	6	368.14	1.5	30	400	2	398	1	397	Edit Invoice Challan
Grand Total					9,260	591,198.00	964.00	11,325.00	603,487.00	2,787.00	600,699.00	432,914.00	167,785.00	

Figure 3.38: Customer Wise Invoice Details

And then made Customer Ledger based on sales invoice and customer payments.

#	Date	Invoice/Transaction	Type	Total	Invoice Paid / Payment	Invoice Due	Balance	Action
1	26/05/2019	-	Previous Due	-	200.00	-	200.00	
2	26/05/2019	119052677	Payment	0.00	50.00	-	150.00	
3	26/05/2019	119052698	Invoice	2,690.95	2,690.95	-	150.00	View
4	26/05/2019	119052699	Invoice	0.00	600.00	1,000.00	1,150.00	View
5	27/05/2019	1190527101	Payment	0.00	1,150.00	-	0.00	
6	27/05/2019	1190527112	Payment	0.00	100.00	-	-100.00	
7	27/05/2019	1190527122	Invoice	128,000.00	28,000.00	100,000.00	99,900.00	View
8	30/05/2019	1190529249	Invoice	1,454.00	1,454.00	-	99,900.00	View
9	30/05/2019	11905292510	Invoice	411.00	410.00	1.00	99,901.00	View
10	11/06/2019	1190611302	Invoice	2,625.00	2.00	2,623.00	102,524.00	View
11	18/07/2019	11907181	Invoice	45,000.00	5,000.00	40,000.00	142,524.00	View
12	18/07/2019	11907183	Payment	0.00	2,000.00	-	140,524.00	

Figure 3.39: Customer Ledger

Similarly for the Supplier also.

#	Invoice	Date	Customer	Warehouse	T. Amount	Cart./Truck Fare	G. Total	Paid	Invoice Due	Action
1	119052611	2019-05-26	General Supplier	Main	100000	100	100100	100100	0	Edit Invoice
2	119052632	2019-05-26	General Supplier	Main	1000	20	1020	300	720	Edit Invoice
3	119052633	2019-05-26	General Supplier	Main	300	400	700	300	400	Edit Invoice
4	119052644	2019-05-26	Supplier 01	Main	12000	300	12300	2300	10000	Edit Invoice
5	119052645	2019-05-26	Supplier 01	Main	12000	300	12300	2300	10000	Edit Invoice
6	119052666	2019-05-26	Supplier 01	Main	4800	200	5000	1500	3500	Edit Invoice
7	119052677	2019-05-26	Supplier 02	Main	3300	900	4200	3900	300	Edit Invoice
8	119061081	2019-06-10	RSS Steel	Main	65250	300	65550	65550	0	Edit Invoice
9	119061092	2019-06-10	RSS Steel	Main	28000	400	28400	25000	3400	Edit Invoice
10	119061093	2019-06-09	RSS Steel	Main	52400	500	52900	0	52900	Edit Invoice
11	1190610114	2019-06-08	RSS Steel	Main	22800	400	23200	23200	0	Edit Invoice
Grand Total:					301850	3820	305670	224450	81220	

Figure 3.40: Supplier Wise invoice Details

#	Date	Invoice/Transaction	Customer	Type	Invoice Paid / Payment	Invoice Due	Balance
1	26/05/2019	-	Supplier 02	Previous Due	-	120.00	120.00
2	26/05/2019	119052675	Supplier 02	payment	30.00	-	90.00
3	26/05/2019	119052686	Supplier 02	Invoice	390.00	300.00	390.00

Figure 3.41: Supplier Ledger

And then added Daily Sales Report.

Date Wise Sales Invoice Report

From: 28-04-2019 To: 24-07-2019

#	Invoice	Date	Customer	Warehouse	T. Qty	T. Amount	Net. Charge	Cart./Truck Fare	G. Total	D. Amount	D. Total	Paid	Invoice Due	Action
1	119052626	2019-05-26	General Customer	Main	100	5869	0.5	100	5969.5	400	5569.5	5500	69.5	Edit Invoice Challan
2	119052665	2019-05-26	General Customer	Main	20	1173.8	0.75	40	1214.55	100	1114.55	1100	14.55	Edit Invoice Challan
3	119052676	2019-05-26	General Customer	Main	30	1790.7	0.25	10	1800.95	20	1780.95	1780.95	0	Edit Invoice Challan
4	119052687	2019-05-26	General Customer	Main	10	626.9	0.5	1000	1627.4	0	1627.4	100	1527.4	Edit Invoice Challan
5	119052698	2019-05-03	Customer 01	Main	30	1790.7	0.25	1000	2790.95	100	2690.95	2690.95	0	Edit Invoice Challan
6	1190527122	2019-05-27	Customer 01	Main	2100	127035	11.25	1000	128046.25	46.25	128000	28000	100000	Edit Invoice Challan
7	1190528153	2019-05-28	General Customer	Main	1500	90345	4.25	0	90349.25	0	90349.25	90349.25	0	Edit Invoice Challan
8	1190529161	2019-05-29	ish	Main	250	14984.5	0.75	200	15185.25	0	15185.25	15000	185.25	Edit Invoice Challan
9	1190529172	2019-05-29	ish	Main	44	3080	1	44	3125	666	2459	2459	0	Edit Invoice Challan
10	1190529183	2019-05-29	ish	Main	1	80	0.25	4	84.25	50	34.25	34.25	0	Edit Invoice Challan
11	1190529194	2019-05-29	ish	Main	2	150	0.25	4	154.25	5	149.25	149.25	0	Edit Invoice Challan
12	1190529205	2019-05-29	ish	Main	3	240	0.25	0	240.25	0	240.25	240.25	0	Edit Invoice Challan
13	1190529216	2019-05-29	ish	Main	1000	61690	0.25	0	61690.25	0	61690.25	61690.25	0	Edit Invoice Challan
14	1190529227	2019-05-29	ish	Main	400	24276	0.5	0	24276.5	0	24276.5	24276	0.5	Edit Invoice Challan
15	1190529238	2019-05-29	ish	Main	150	9253.5	3.75	52	9343	333	9010	9010	0	Edit Invoice Challan
16	1190529249	2019-05-29	Customer 01	Main	15	1530.35	3.75	20	1554	100	1454	1454	0	Edit Invoice Challan
17	1190529251	2019-05-29	Customer 01	Main	5	400	1.25	10	411	0	411	410	1	Edit Invoice Challan
18	1190610261	2019-06-10	RSS Developer	Main	1400	104276	350	300	104926	200	104726	104726	0	Edit Invoice Challan
19	1190610272	2019-06-10	RSS Developer	Main	800	50676	200	400	51276	0	51276	50000	1276	Edit Invoice Challan
20	1190610283	2019-06-05	RSS Developer	Main	300	20000	75	1999	22074	0	22074	22000	74	Edit Invoice Challan
21	1190611291	2019-06-11	General Customer	Main	110	6669	27.5	44	6741	55	6686	6686	0	Edit Invoice Challan
22	1190611302	2019-06-11	Customer 01	Main	43	2612.67	10.75	4	2627	2	2625	2	2623	Edit Invoice Challan
Grand Total					9260	591198.00	964.00	11325.00	603487.00	2787.00	600699.00	432914.00	167785.00	

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Figure 3.42: Date Wise Sales Invoice Report

Customer Wise Previous Due

Customer: All

#	Customer	Phone	Due	Action
1	General Customer	01711122233	1,000.95	View
2	Customer 01	01711122233	140,524.00	View
3	RSS Developer	0171297596	23,364.00	View
Total:			164,888.95	

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Figure 3.43: Customer with due amount

Date Wise Sales Summery

Date Wise Sales Summery

From: 24-02-2019 To: 24-07-2019

#	Sale Date	Total Qty	Total Amount	Weighting Charge	Carting Truck Fare	Grand Total	Discount Amount	Discount Total	Paid Amount	Invoice Due
1	2019-05-03	0	1,790.70	0.25	1,000.00	2,790.95	100.00	2,690.95	2,690.95	0.00
2	2019-05-26	430	9,460.40	2.00	1,150.00	10,612.40	520.00	10,092.40	8,480.95	1,611.45
3	2019-05-27	2,100	127,035.00	11.25	1,000.00	128,046.25	46.25	128,000.00	28,000.00	100,000.00
4	2019-05-28	1,500	90,345.00	4.25	0.00	90,349.25	0.00	90,349.25	90,349.25	0.00
5	2019-05-29	1,870	115,684.35	45.75	334.00	116,063.75	1,154.00	114,909.75	114,723.00	186.75
6	2019-06-05	300	20,000.00	75.00	1,999.00	22,074.00	0.00	22,074.00	22,000.00	74.00
7	2019-06-10	2,200	154,952.00	550.00	700.00	156,202.00	200.00	156,002.00	154,726.00	1,276.00
8	2019-06-11	500	31,416.81	125.00	142.00	31,684.00	103.00	31,581.00	6,944.00	24,637.00
9	2019-07-18	600	40,514.00	150.00	5,000.00	45,664.00	664.00	45,000.00	5,000.00	40,000.00
Total		9,500	591,198.00	964.00	11,325.00	603,487.00	2,787.00	600,699.00	432,914.00	167,785.00

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Figure 3.44: Date Wise Sales Summery

Item Wise Sales Summery

Item Wise Sales Summery

Product: All From: 31-03-2019 To: 24-07-2019

#	Product Name	Quantity
1	De-F-10 mm-Auto	2431
2	De-F-12 mm-Auto	1405
3	De-F-16 mm-Auto	3144
4	De-F-20 mm-Auto	1553
5	De-F-8 mm-Auto	217
6	De-F-20 mm-FRESH 500	500
7	De-F-32 mm-KABIR-500.	10
Total		9260

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Figure 3.45: Total Sold Products Report

3.2 EVENT AND ACTIVITY

I worked on my project for so long; I updated the project to the project manager and tried to take comments from him. Finally, I was able to carry out my project with the help of everybody.

3.3 CHALLENGE

Web application development is not a easy task. In this little time and it is not possible to be a master on it. It's hard to always do something new something creative. It is also a great challenge, which web developers have to deal with it and I also.

When developing my project, I had taken care of its coding structure as possible as well as user-friendly and execution speed is also keep faster.

Working With new people in a new environment was a great experience and also challenging.

The biggest challenge for me to meet customers need and satisfy them. [5]

CHAPTER 4

COMPETENCIES AND SMART PLAN

4.1 COMPETENCIES EARNED

There are many types of websites on the market which has different quality, different look. So there must be a lot of competition in this market. By considering all of this, I made myself prepared to survive on the market in any situation and can create new opportunities. And this journey is not that easy, I had to learn more and more advanced as well as basic concepts.

So, the competition is such that I can know the abilities of another person and I have an Idea about my abilities and limitations. This is very helpful for me and encouraged me to learning more and it is the fundamental truth that the more you read the more you learn.

4.2 MY SMART PLAN

- Learning more about logic's rather than only code.
- Understand the Application needs, business logic and how to optimize the solution using code.
- Software Design Patterns and Software life cycles.
- Learned more in JavaScript, JQUERY it helps to handle 40% - 50% complex code without any hassle in client side.
- For complex database design and query's I had to spend lots of time to understand the behaviors' of MYSQL
- I also gain a deeper knowledge of LARAVEL Framework which is based on PHP and still learning on different PHP technologies.

To survive in this competitive market, the most important things are keep you always updated because technology updates daily.

CHAPTER 5

CONCLUSION AND FUTURE CARRIER

5.1 CONCLUSION

This internship allowed me to acquire many experiences that will allow me to play a role in my web application development carrier. I am able to do several web development projects and had the opportunity to work on several projects, which helped me to become autonomous. This internship definitely plays an important role to making my career in software industry.

5.2 SCOPE FOR FUTURE CAREER

Getting a good job is a big challenge for me, if I do not have real experience. But a successful internship will help me to build a better career. Which is a great chance to prove my potentials and gain confident? I hope that this internship will benefited me in the future to build a robust carrier. [6]

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APPENDIX A: INTERNSHIP REFLECTION

In my hand, there were two ways to choose, the first is an internship and another is project for almost anything. I choose the internship because I can get here the experience of a job in the real world that has been very useful to me. This will play a big role in my future career. That's the reason I chose Venus It Ltd because it's a reputable software company. They provide a good service now, it is a renowned organization. That's why I planned to do an internship here. I chose web development to do internships because it is now a service used more frequently. In doing so, I can show my potential around the world. I think that with the knowledge I gained here, I can work directly on a professional project. Finally, I like to say that I have the chance to work with the team members and to thank Venus It Ltd for giving me this benefit.

APPENDIX B: COMPANY DETAILS

Venus IT Ltd, a sister company of Venus Corporation Ltd, is a software company based in Dhaka that provides high quality, cost-effective and reliable IT solutions in Bangladesh. As a computer and software company in Bangladesh, They have excellent experience in transforming an idea into a fully finished product in all related services, from websites to web applications. Our creativity, state-of-the-art understanding and energy can guarantee the success of your future through their IT services. [2][7]

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