



DATABASE MANAGEMENT SYSTEM – EPJ COMPONENT

PROJECT REPORT ON DBMS FOR SMALL-SCALE SELLERS

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ABSTRACT

The main functions of relational database management system are concerned with how to manipulate information of database, such as creation, storing, access, processing and maintenance. The main aim of a DBMS is to supply a way to store up and retrieve data base information that is both convenient and efficient. This paper mainly focuses implementation of key techniques of relational database management systems for small scale/local sellers. This system allows the shopkeeper to keep track of all information related to products such as code MRP, CP, GST and availability of product. He/she can also keep track of all the distributors and customers such as their ID, names and locations. Sole purpose of a business is to earn profit; therefore, this system is also capable of keeping tracks of all the payment such as payment ID, mode of payment, amount and when the particular transaction was made. We also wrote queries to help the users analyze their sales. We will be using XAMPP web server's mysql to create and execute sql queries, and Apache to run the frontend design using php, html, and css, on localhost.

INTRODUCTION

A database management system (DBMS) refers to the technology for creating and managing databases. DBMS is a software tool to organize (create, retrieve, update and manage) data in a database. The main aim of a DBMS is to supply a way to store up and retrieve data base information that is both convenient and efficient. By data, we mean known facts that can be recorded and that have embedded meaning. Normally people use software such as DBASE IV or V, Microsoft ACCESS, or EXCEL to store data in the form of database. Data base systems are meant to handle large collection of information. Management of data involves both defining structures for storage of information and providing mechanisms that can do the manipulation of those stored information.

Moreover, the data base system must ensure the safety of the information stored, despite system crashes or attempts at unauthorized access. Thus, covering all the dis-advantages of the previously used file management system.

Applications where we use Database Management Systems are:

- **Telecom:** There is a database to keeps track of the information regarding calls made, network usage, customer details etc. Without the database systems it is hard to maintain that huge amount of data that keeps updating every millisecond.
- **Industry:** Where it is a manufacturing unit, warehouse or distribution centre, each one needs a database to keep the records of ins and outs. For example distribution centre should keep a track of the product units that supplied into the centre as well as the products that got delivered out from the distribution centre on each day; this is where DBMS comes into picture.
- **Banking System:** For storing customer info, tracking day to day credit and debit transactions, generating bank statements etc. All this work has been done with the help of Database management systems.
- **Sales:** To store customer information, production information and invoice details.
- **Airlines:** To travel though airlines, we make early reservations, this reservation information along with flight schedule is stored in database.
- **Education sector:** Database systems are frequently used in schools and colleges to store and retrieve the data regarding student details, staff details, course details, exam details, payroll data, attendance details, fees details etc. There is a hell lot amount of inter-related data that needs to be stored and retrieved in an efficient manner.

- **Online shopping:** You must be aware of the online shopping websites such as Amazon, Flipkart etc. These sites store the product information, your addresses and preferences, credit details and provide you the relevant list of products based on your query. All this involves a Database management system.

BACKGROUND AND MOTIVATION

Companies have a set number of official distributors who provide with products to local distributors (who are the center of our project) to expand their business. These products are sold to the distributors at a price, and further discounts are given on these set prices based on Business Volume(BV) accumulated by the local distributor. Our goal is to help these local distributors manage their business.

WHY IS DBMS RELEVANT TO OUR TOPIC?

- ▶ Small scale businesses are generally focused on selling quality goods and securing profits.
- ▶ With limited people for the job, it becomes hard for the same people to keep track of the stock balance, payments received, profit/loss ratio etc.
- ▶ It becomes particularly hard for shops which resell goods received from a particular company's distributors which is where our main focus is.
- ▶ Here, the need for DBMS can be quite helpful as the system for calculation becomes slightly complex.

KEYWORDS:

Development of Inventory Management, Small-Scale Sellers, Database Management

LITERATURE SURVEY AND SIMILAR WORKS:

- *Study and Development of Inventory Management System for Frozen Food Business in Thailand, Nachayapat Roprayoon & Chuleekorn Chanasit*

This research is aimed at frozen food business in Thailand to help various work processes faster and efficient. This research applies 2 types of tools : questionnaires and in-depth interviews. Referring to data from interviewing entrepreneurs an questionnaires from relevant employees, the modules the system should consist of have been decided.

- *Inventory Management System, Pokhara University Nobel College*
The project Inventory Management System is a complete desktop-based application designed on .Net technology using Visual Studio Software. The main aim of the project is to develop Inventory Management System Model software in which all the information regarding the stock of the organization will be presented. It is an intranet-based desktop application which has admin component to manage the inventory and maintenance of the inventory system.

- *Global Building Management System (BMS) Industry Report 2020 - ResearchAndMarkets.com*
Wave by BMS includes a comprehensive inventory management system, with your distributor's entire catalog. You can quickly and easily add products as needed, and build your inventory files to

directly reflect all products on hand and on order. This is real-time and in use. Its features include market size estimates, trend and forecast analysis, growth analysis, etc.

UNIQUE CONTRIBUTION:

Apart from building this project from scratch, from deciding on the suitable entities to developing working webpages by applying everything we have learnt from this course, we added an 'Analysis' tab, whose sole purpose is to provide a better insight to the seller regarding her sales, customer's current choice of products, the market's general trend.

This is very basic example, but we believe that more emphasis can be put on the same in the future projects by introducing emerging technologies involving machine learning to help predict/estimate the market size, trend and forecast analysis, segmentation analysis, regional analysis, growth opportunities, strategic analysis, etc.

SOFTWARE-HARDWARE SPECIFICATION:

Non-Functional :

Hardware Details:

Processor – i5 core processor

Clock Speed – 2.5 GHz

Keyboard – QWERTY

System Type – 64 bit os, x64 based processor

RAM – 8 GB

Software Specification:

Operating System (Windows 10 & Linux have been used)

XAMPP Web Server (Apache HTTP Server and Mysql)

Any Web Browser

Languages Used:

Mysql

Php

Html

Css

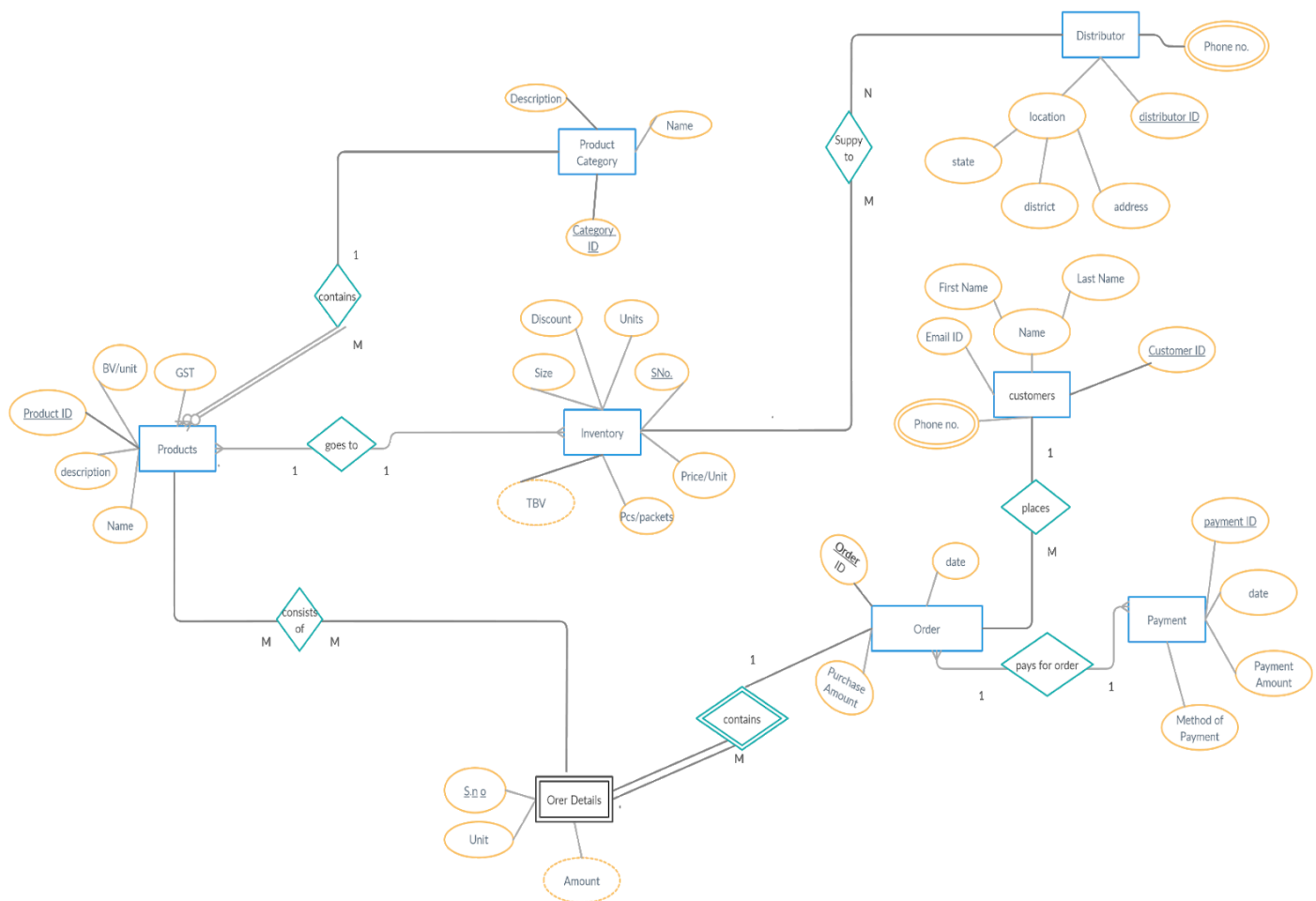
DESIGN OF THE PROJECT:

ALL THE ENTITIES IN PLAY:

- ▶ login
- ▶ products
- ▶ product_category
- ▶ inventory
- ▶ customer

- ▶ customer_phone
- ▶ order
- ▶ order_details
- ▶ payment
- ▶ distributor
- ▶ bvlevel

ENTITY RELATIONSHIP DIAGRAM :



RELATIONAL SCHEMA :

customer(Customer_ID,First_Name,Middle_Name,Last_Name,Email_ID)

customer_phone(Customer_ID,Phone_No)

product_category(Category_ID,Name)

products(Product_ID,Name,Unit,PcsPacket,PcsCarton,MRPUnit,PriceUnit,BV,GST,
Category_ID)

orders(Order_ID,Order_Date,Purchase_Amount,Customer_ID)

order_Details(Sno,Order_ID,Unit,Product_ID,Amount)

payment(Order_ID,Payment_Date,Amount,Method_Of_Payment)

distributor(Distributor_ID,Name,Address,District,State)

inventory(SNo,Product_ID,Unit_or_Quantity,TBV,PriceUnit,Distributor_ID)

login(userid,pass)

bvlevel(AggBV, Level, Commission_percentage)

(Color coding is used to denote the foreign key relationships)

IMPLEMENTATION:

DATABASE

All the relations are normalized upto BCNF, with the exception of the address attribute of the Distributor table. The relations are as follows:

products

Product_ID	Name	Unit	Pcs/Package	Pcs/Carton	MRP/Unit	Price/Unit	BV	GST @	Category_ID
1000	Alkaline & Anti-Bacterial Ceramic Balls	1	1	120	400	300	120	18%	1
1001	Aloe Aam Pachak	100 gm	1	60	99	90	25	12%	1
1002	Aloe Ajwain Pachak	100 gm	30	30	75	65	20	12%	1
1003	Aloe Amla Candy	200 gm	30	30	105	85	20	5%	1
1004	Aloe Anardana Pachak	100 gm	30	30	75	65	20	12%	1
1005	Aloe Blood Purifier Syrup	200 ml	60	60	150	125	48	12%	1
1006	Aloe Cal-D Tablet	30 Tab	1	60	360	260	100	12%	1
1007	Aloe Cal-D Tablet	30 Tab	30	30	360	260	100	12%	1
1008	Aloe Charcoal Dental Gel	100 gm	50	50	160	120	40	18%	1
1009	Aloe Digest	30 ml	60	60	160	115	50	12%	1
1010	Aloe Harad Pachak	100 gm	30	30	75	65	20	12%	1
1011	Aloe Hing Pachak	100 gm	30	30	75	65	20	12%	1
2000	Aloe Jeera Pachak	100 gm	60	60	75	65	20	12%	1
2001	Aloe Anti Aging Cream	60 gm	1	60	390	275	100	18%	2
2002	Aloe Cream	60 gm	30	60	220	155	60	18%	2
2003	ALOE FACE CLEANSER + HERBAL ALOE CREAM	100 gm	1	30	250	210	80	18%	2
2004	Aloe Face Wash With Haldi & Chandan	100 gm	30	30	250	180	65	18%	2
2005	Aloe Rose Water	100 ml	25	50	140	105	30	18%	2
2006	Aloe Sunscreen Lotion Big	100 gm	10	30	390	275	100	18%	2
2007	Aloe Sunscreen Lotion Smol	60 gm	60	60	190	140	50	18%	2
2008	Aloe Wipes	20 Pc	42	42	120	80	32	12%	2
2009	Alovera Bathing Soap	Pcs	100	100	30	25	5	18%	2
2010	Anti Aging Cream	60 gm	15	30	390	275	100	18%	2
3000	Acupressure Pads	Pcs	1	20	350	185	75	12%	3
3001	Aerobic Exerciser	Pcs	1	1	5000	4250	1050	18%	3
3002	Almond Hair Oil	100 ml	1	60	325	270	100	18%	3
3003	Aloe After Shave Gel	100 gm	1	60	325	230	80	18%	3
3004	Aloe Baby Hair & Body Wash	250 ml	1	30	395	275	95	18%	3
3005	Aloe Baby Hair & Body Wash	200 ml	10	30	225	170	60	18%	3

3006	Aloe Baby Massage Oil	100 ml	20	60	375	260	90	18%	3
3007	Aloe Baby Soap (Ayurvedic)	75 gm	20	100	95	75	25	18%	3
3008	Aloe Baby Talcum Powder	100 gm	10	30	225	160	55	18%	3
3009	Aloe Baby Wipes	Pcs	12	24	210	170	60	12%	3
3010	Aloe Bright Bar	100 Gm	50	50	25	20	5	18%	3
4000	ABC Carpet	5m	1	10	5000	4250	1050	18%	4
4001	Rinz Water Bottles	1L	5	25	100	95	25	12%	4
6000	Aloe Coco Cookies (Sweet)	150 gm	24	24	80	70	15	18%	6
6001	Aloe Cumin Cookies (Salted)	150 gm	24	24	80	70	15	18%	6
3011	Aloe Dental Cream	100 gm	100	100	115	90	25	18%	3
6002	Aloe Multigrain Atta	1 Kg	1	12	300	250	75	5%	6
6003	Aloe Protein Diet (Corn Pudina Triangle)	60 gm	1	50	35	30	6	12%	6
6004	Aloe Protein Diet (Soya Bhel)	60 gm	1	50	35	30	6	12%	6
6005	Aloe Protein Diet (Soya Cheese Sticks)	60 gm	1	50	35	30	6	12%	6
6006	Aloe Protein Diet (Soya Katori)	60 gm	1	50	35	30	6	12%	6
6007	Aloe Protein Diet (Wheat Puff)	60 gm	1	50	35	30	6	12%	6
5000	Agro Activator	500 ml	12	24	595	495	180	18%	5
5001	Herbal Agro Growth Booster	1 Ltr	12	12	725	560	250	18%	5
5002	Herbal Agro Growth Booster	500 ml	15	15	450	310	135	18%	5
5003	Herbal Aloe Vical	5 Ltr	2	2	650	525	150	0%	5
5004	Herbal Aloe Vita	1 Kg	12	12	300	225	100	0%	5
6008	Imc Swadisht Pachak Churan With Himalayan Berry	Pcs	1	30	130	105	40	12%	6
6009	Saboot Jeera	100 gm	30	30	75	60	15	5%	6

product_category :

Category_ID	Name
1	Health Care
2	Skin Care
3	Personal Care
4	Home Care
5	Agriculture
6	Food Products

inventory :

S.No.	Product_ID	Unit or Quantity	TBV	Price/Unit	Distributor_ID
1	1003	13	260	83	DIS0001
2	1005	6	288	120.2	DIS0002
3	1006	3	300	250	DIS0003
4	1008	8	320	116	DIS0004
5	1009	3	150	110	DIS0005
6	1010	3	300	265	DIS0006
7	2002	4	240	149	DIS0007
8	3000	1	75	177.5	DIS0008
9	3005	2	190	265.5	DIS0009
10	3007	5	125	72.5	DIS0046
11	4001	10	250	95	DIS0047
12	6000	5	75	68.5	DIS0048
13	6002	7	525	242.5	DIS0049
14	5003	6	900	525	DIS0022
15	5004	4	400	225	DIS0023
16	6009	5	75	58.5	DIS0024
17	5000	2	360	495	DIS0025
18	6003	10	60	30	DIS0026
19	3009	5	300	170	DIS0027
20	3006	2	180	251	DIS0028

customer :

Customer_ID	First Name	Middle Name	Last Name	Email ID
CUS0001	Agney	Singh	Talwar	agneys@gmail.com
CUS0002	Manoj		Raj	manojr@gmail.com
CUS0003	Sanjay	Mohan	Sharma	ssharma@gmail.com
CUS0004	Aman		Verma	amanverma@gmail.com
CUS0005	Raj		Kapoor	raj02@gmail.com
CUS0006	Jinto		James	jintojames01@gmail.com
CUS0007	Sabar		Nimmagadda	nsabar@outlook.com
CUS0008	Aditi		Jain	aditijain01@outlook.com
CUS0009	Shivang	Prem	Sharma	spsharma00@gmail.com
CUS0010	Pankaj		Gupta	pankajgupta21@gmail.com
CUS0011	Suraj		Saxena	surajs@gmail.com
CUS0012	Ram		Singh	ramsingh1@hotmail.com
CUS0013	Baljeet		Tripathi	baljeet123@gmail.com
CUS0014	Shiv		Raj	shivraj001@gmail.com
CUS0015	Uday		Kumar	udaykumar@gmail.com
CUS0016	Sushant		Chauhan	sushantchauhan@gmail.com
CUS0017	Dhruv		Adawal	dadawal@gmail.com
CUS0018	Arjun	Prasad	Shrivastava	apshrivastava@gmail.com
CUS0019	Shivangi		Mehra	shivangi005@outlook.com
CUS0020	Sanidhya		Verma	sanidhyaverma@gmail.com
CUS0021	Antara		Rai	antararai@gmail.com
CUS0022	Shreya		Prasad	shreyaprasad1@gmail.com
CUS0023	Alok	Kumar	Gupta	kumaralok@gmail.com
CUS0024	Manit		Jain	manitj@gmail.com
CUS0025	Rashmi		Roy	royrashmi@gmail.com
CUS0026	Amita		Bhatia	amita10@gmail.com
CUS0027	Soumya	Ranjan	Tripathi	srtripathi@gmail.com
CUS0028	Mansi		Mishra	mansimishra@gmail.com
CUS0029	Veena		Patel	veenapatel12@gmail.com
CUS0030	Aryan		Dhavan	aryand16@outlook.com
CUS0031	Vaibhav		Garg	vgarg@outlook.com
CUS0032	Mansi		Aluwalia	aluwaliamansi@gmail.com
CUS0033	Brijendra	Kumar	Tiwari	tiwaribk@gmail.com
CUS0034	Ashutosh		Dikshit	ashutoshdikshit@gmail.com
CUS0035	Akshat		Mittal	amittal01@gmail.com
CUS0036	Jyoti		Khanna	jkhanna@outlook.com
CUS0037	Kiran		Ahuja	ahujakiran@gmail.com
CUS0038	Mona	Sachdeva	Khanna	monakhanna02@gmail.com
CUS0039	Sangeeta		Singhal	sangeetas03@outlook.com
CUS0040	Sanjay		Raina	sanjayraina@gmail.com
CUS0041	Virat		Kumar	viratkumar@gmail.com
CUS0042	Archana		Gulati	archanag1@outlook.com
CUS0043	Vivek		Bhattacharya	vivekb01@gmail.com
CUS0044	Lalit		Gopal	lalitgopal@gmail.com
CUS0045	Ashish		Khurrana	ashishkhurrana001@gmail.com
CUS0046	Pranit		Rastogi	prastogi@gmail.com
CUS0047	Gursher		Aujla	aujlagursher@outlook.com
CUS0048	Manas		Chatterjee	manas20@gmail.com
CUS0049	Soni		Gupta	sonig11@gmail.com
CUS0050	Amit		Bannerjee	amitb1@outlook.com

customer_phone :

Customer_ID	Phone Number
CUS0001	9735357747
CUS001	9574837563
CUS0002	9525503680
CUS0003	9325968405
CUS003	9576835122
CUS0004	9905340062
CUS0005	9083353325
CUS0006	9410466202
CUS0007	9622792033
CUS0008	9687033613
CUS0009	9603322873
CUS0010	9065935965
CUS0011	9472156452
CUS0012	9629356377
CUS0013	9574234047
CUS0014	9286677839
CUS0015	9472365603
CUS0016	9503504915
CUS0017	9001834537
CUS0018	9661640044
CUS0019	9572711067
CUS0020	9917727864
CUS0021	9743745647
CUS0022	9435726824
CUS0023	9877657287
CUS0024	9328009512
CUS0025	9410305306
CUS0026	9523795942
CUS0027	9882969989
CUS0028	9496805372
CUS0029	9614662067
CUS0030	9275072507
CUS0031	9229203872
CUS0032	9622571186
CUS0033	9969861615
CUS0034	9761839557
CUS0035	9474376611
CUS0036	9063926813
CUS0037	9002626319
CUS0038	9882316880
CUS0039	9209443914
CUS0040	9014315900
CUS0041	9762042901
CUS0042	9535711184
CUS0043	9031194282
CUS0044	9347257646
CUS0045	9540859396
CUS0046	9216552235
CUS0047	9219568851
CUS0048	9258520457
CUS0049	9128795412
CUS0050	9014375173

order

Order ID	Order_Date	Purchase_Amount	Customer_ID
OR2346	2/11/2019	1392.5	CUS0001
OR1728	2/26/2019	498	CUS0002
OR1961	3/18/2019	760.2	CUS0003
OR7452	4/4/2019	1376	CUS0004
OR4671	4/16/2019	447	CUS0005
OR1924	5/23/2019	525	CUS0006
OR7023	5/24/2019	795	CUS0007
OR3452	6/19/2019	823.5	CUS0008
OR9084	8/1/2019	1939.5	CUS0009
OR3472	8/7/2019	232	CUS0010
OR1276	9/13/2019	110	CUS0011
OR7654	10/15/2019	110	CUS0012
OR3200	10/19/2019	205.5	CUS0013
OR5472	11/20/2019	250	CUS0014
OR6391	12/17/2019	220	CUS0015
OR7847	3/6/2020	110	CUS0016
OR9229	3/13/2020	110	CUS0017
OR1003	4/3/2020	500	CUS0018
OR1386	6/9/2020	500	CUS0019

order_details :

Order ID	Unit	Product_ID	Amount
OR2346	3	3005	796.5
OR2346	4	2002	596
OR1728	6	1003	498
OR1961	1	1005	120.2
OR1961	1	1009	110
OR1961	2	1010	530
OR7452	3	1011	795
OR7452	7	1003	581
OR4671	3	2002	447
OR1924	5	1003	415
OR1924	1	1009	110
OR7023	3	1010	795
OR3452	1	6002	242.5
OR3452	7	1003	581
OR9084	3	1008	348
OR9084	3	3005	796.5
OR9084	3	1010	795
OR3472	2	1008	232
OR1276	1	1009	110
OR7654	1	1009	110
OR3200	3	6000	205.5
OR5472	1	1006	250
OR6391	2	1009	220
OR7847	1	1009	110
OR9229	1	1009	110
OR1003	2	1006	500
OR1386	2	1006	500

payment

Payment_Date	Amount	Method of Payment	Order ID
2/11/2019	1392.5	credit card	OR2346
2/26/2019	498	upi	OR1728
3/18/2019	760.2	debit card	OR1961
4/4/2019	1376	sodexo	OR7452
4/16/2019	447	cash	OR4671
5/23/2019	525	debit card	OR1924
5/24/2019	795	sodexo	OR7023
6/19/2019	823.5	credit card	OR3452
8/1/2019	1940	sodexo	OR9084
8/7/2019	230	cash	OR3472
9/13/2019	110	debit card	OR1276
10/15/2019	110	sodexo	OR7654
10/19/2019	205	cash	OR3200
11/20/2019	250	upi	OR5472
12/17/2019	220	credit card	OR6391
3/6/2020	110	sodexo	OR7847
3/13/2020	110	cash	OR9229
4/3/2020	500	upi	OR1003
6/9/2020	500	debit card	OR1386

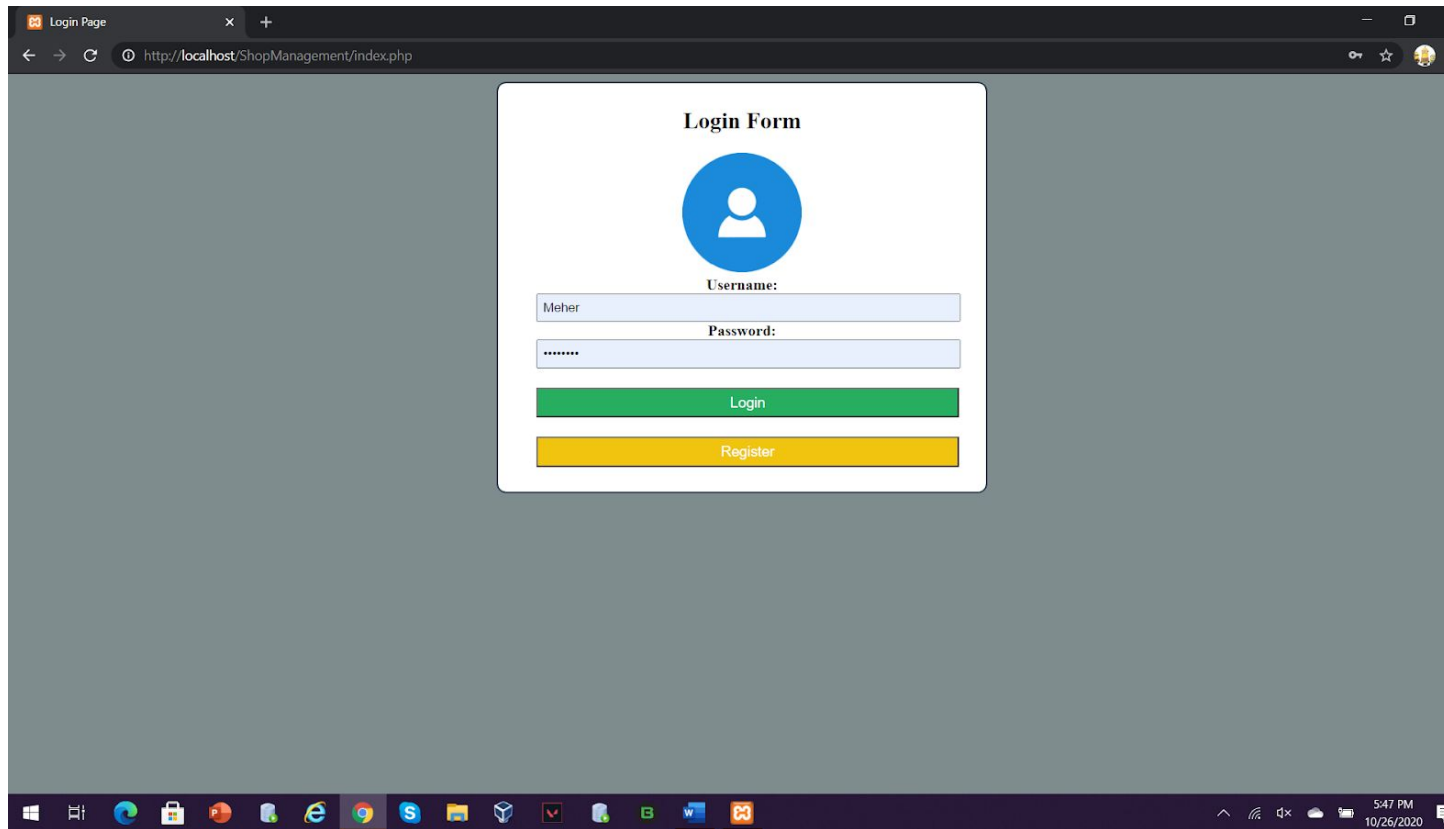
distributor

Distributor_ID	Name	Address	District	State
DIS0001	LAKSHMI NARASIMHA HERBAL PRODUCTS	GOVINDA REDDY COMPLEX, D.NO. 18/713, VINUGOPAL NAGAR, ANANTAPURAMU, Anantapur, 515001, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0002	SRI THULASI AYURVEDIC HERBAL STORE	16/6/4, NUT BAZAR, Hindupur, 515201, Hindupur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0003	HIMA DEEPIKA HERBALS	2-591, 4Th road , NEAR ANJANEYA SWAMY TEMPLE, ANANTAPUR, 515004, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0004	SAI REKHA AYURVEDIC HERBAL STORES	# 3-2366, SAI SADAN, SAI TEMPLE, VIVEKANANDA ROAD, PUTTAPARTHI, 515134, Penu Konda, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0005	GREENLEAFAYURVEDIC	1-515-A, RUDRAMPETA, RUDRAMPETA, 515001, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0006	SHRI SAI IMC AYURVEDIC & ORGANIC STORE	3/782-A, A S R NAGAR,, TAPOVANAM, 515004, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
DIS0007	KIRAN ENTERPRISES	19-1-19, NEAR OLD PANCHAYAT OFFICE, REVENUE WARD NO.12, Balighattam, 531116, Narsipatnam, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0008	SHREEJAY ENTERPRISES	DOOR NO.48-10-24,OPP RTC COMPLEX LANE,LAND MARK VARDHAN SUPER MARKET, Dwaraka nagar, 530016, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0009	LEELA ENTERPRISES	3-11-71/2, FIRST FLOOR, EAST SIDE FIRST SHATTER, OPP. RAITU BAZAAR AND MASEED, Gajuwaka, 530026, Gajuwaka, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0010	SHANMUKHA ENTERPRISES	FIRST FLOOR 36-46-78, REDDY KANCHARAPALEM, R.C.C SHOP, NEAR ANUPAMA HOTEL, Visakhapatnam (urban, 530008, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0011	SRI VIJAYA ENTERPRISES	13-244, DONKADA, AGANAMPUDI, RAMALAYAM,, PEDAMADAKA,VISAKHAPATNAM,PIN CODE :530046, AGANAMPUDI, 530046, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0012	SRI VENKATESHWARA AYURVEDIC AND ORGANIC GENERAL STORE	49-34-10/3,ABIDNAGAR,BESIDE SBI,AKAYAPALEM,, VISAKHAPATNAM(URBAN),VISAKHAPATNAM,, ANDHRAPRADESH,PIN CODE 530016, AKAYYAPALEM, 530016, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0013	SRI KRISHNA ORGANICS AND HERBALS	47-57-16/19 FLOAT NO -1 4TH FLOOR, 3RD LINE NARASIMHA NAGAR, AKKAYAPALEM, AKKAYAPALEM, 530024, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0014	SRI SAI GANESH AYURVEDIC HUB	45-33-44 SANGAM OFFICE,BESIDE VIVEKANANDA HOSPITAL, AKKAYYAPALEM, 530016, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh

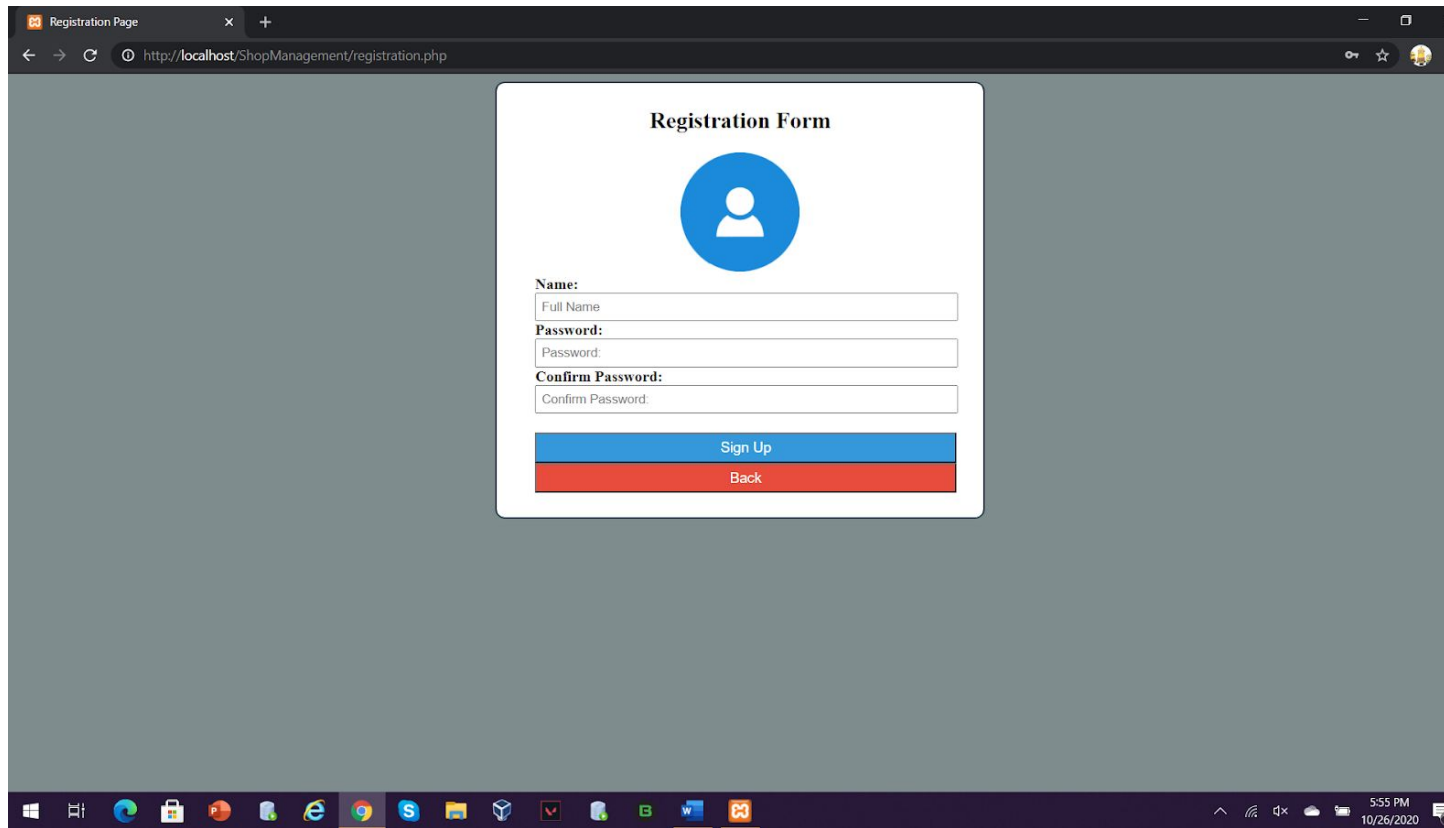
DIS0015	KEERTHI AYURVEDIC AND ORGANIC STORE	AKKIREDDI PALEM 1-1-63 B H P V, AKKIREDDI PALEM, 530012, Gajuwaka, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0016	NICE AYURVEDIC & ORGANIC HUB	1-3-70/1, AKKIREDDY PALEM, B H P V, GAJUWAKA,, VISAKHAPATNAM, ANDHRA PRADESH, PINCODE: 530012, AKKIREDDY PALEM, 530012, Gajuwaka, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
DIS0017	IMC Hyderabad	1-19-71/A-7P, PLNO RUKMINIPURI COLONY,, KAPRA SAINIKPUR, Kushaiguda, 500062, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0018	M/S NATRAJ BATTERIES	PILLAR NO. MGBS1358, NEAR THUMBAY HOSPITAL NEW LIFE, CHANDERGHAT ROAD, CHANDERGHAT, 500024, Charminar, Hyderabad, Telangana	Hyderabad	Telangana
DIS0019	SRI VASAVI AND CO	2-3-199/3, ROAD NO. 1, ADARSH NAGAR COLONY, NAGOLE, LB NAGAR, Hyderabad, 500035, Saidabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0020	DHANVANTHARI AGENCIES	1-19-71/A-7P, PLNO RUKMINIPURI COLONY, KAPRA SAINIKPUR, Kushaiguda, 500062, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0021	Sai Manikanta Enterprises	H. NO. 6-1-132/17/A, SHOP NO. 4, NEAR SKANDAGIRI TEMPLE, Padmaranagar, 500025, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0022	SPARSH ORGANIC	PLOT NO 3-3-614, SULTAN BAZAR ROAD, RAJAMOHALLAH, NEAR ARYA SAMAJ MANDIR, Qutbiguda, 500027, Himayathnagar, Hyderabad, Telangana	Hyderabad	Telangana
DIS0023	KARTIKEYA ENTERPRISES	FLAT NO.103, RAMACHANDRA NIVAS, Vengal Rao Nagar, 500038, Khairatabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0024	TEJA ORGANIC IMC STORE	1-1-262 87, SRINIVASA NAGAR., A S RAO NAGAR, 500062, Ameerpet, Hyderabad, Telangana	Hyderabad	Telangana
DIS0025	Vijaya Organic & Ayurvedham Store	h.no-1-19-68/A-13, flat no-406,, prasanthi heights,a.s.rao nagar,, secunderabad, telangana-500062, a s rao nagar, 500062, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0026	Meenakshi Corporation	Shop.no-13, Raghav Ratna towers, chirag ali lane,, Abids, hyderabad,, telangana-500001, ABIDS, 500001, Nampally, Hyderabad, Telangana	Hyderabad	Telangana
DIS0027	Ashraya IMC Organic and Ayurveda	h.no-8-9-28, yesunadhapuram street,, allagadda, mdg, kumool,, andhra pradesh, Allagadda, 500025, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0028	Monal Organic Ayurvedic Herbal Products	H.no-18-1/1, Ram nagar colony, Vaishnavi matha temple,, Alwal, Secunderabad, Hyderabad, Telangana-500010, ALWAL, 500010, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0029	SAI DHANVANTRI ORGANIC STORE	H NO-1-4-148, KUMMARI BASTHI,, ALWAL, 500010, Ameerpet, Hyderabad, Telangana	Hyderabad	Telangana
DIS0030	SHIVOHAM AYURVEDIC HERBAL INDIA	PLOT NO. 77, H.NO.1-5-852, OM SRI SAI NAGAR COLONY, OLD ALWAL, SECUNDERABAD,, Alwal, 500010, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0031	venu gopal imc herbal store	AMBER NAGAR, AMBERNAGAR, 500044, Secunderabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0032	GRUHAN ORGANIC INDIAN AYURVEDIC STORE	H.no-2-2-64/7/A, Street no-10, Bahg, Amberpet, 500013, Amberpet, Hyderabad, Telangana	Hyderabad	Telangana
DIS0033	Kavitha Nalanda IMC Herbal India	Flat no. 305, legend Apartment, Sbi officers colony, Amberpet, 500036, Saidabad, Hyderabad, Telangana	Hyderabad	Telangana
DIS0034	PRIYA HERBAL STORE	3-4-852-1 KESHVA NILAYAM, BARKATPURA, AMBERPET, AMBERPET, 500027, Himayathnagar, Hyderabad, Telangana	Hyderabad	Telangana
DIS0035	AYR (IMC) HEALTH CARE PRODUCTS	SHOP NO - 11, HUDA MAITRIVANAM., AMEERPET, 500018, Ameerpet, Hyderabad, Telangana	Hyderabad	Telangana
DIS0036	CHARAN IMC ORGANIC STORE	8-3-945/A, SRI NAGAR COLONY, NAGARJUNA NAGAR., AMEERPET, 500082, Ameerpet, Hyderabad, Telangana	Hyderabad	Telangana
DIS0037	KRISHNAVENY HERBALS	Geethalaya Apartments, No. 7/13, Medley Road, T. Nagar,, Chennai, 600017, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0038	MALESHWAR HERBAL STORE	No.52, Salaima Nagar, Bricklin Road, Purasawalkam, Chennai, 600007, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0039	VENKATESWARA HERBALS	AF/1 24/22 guru akshaya apartments, kanakammal colony, Chennai, 600061, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0040	SHRISHTI HERBAL INDIA	GROUND FLOOR , OLD NO: 477, SOWCAR COMPLEX, MINT STREET , KONDITHOPE, CHENNAI, TAMILNADU, 600001, Chennai G.P.O., 600001, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0041	SNGB AYURVEDA INC	SHOP NO.90/133, CORAL MERCHANT STREET, MANNADY, 600001, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0042	JAI HARESH AYURVEDIC AND HERBAL CENTRE	NO.13, TNRDC COMPLEX, OMR, KANDANCHAVADI, Perungudi OMR, 600096, Chennai, Chennai, Tamil Nadu	Chennai	Tamil Nadu
DIS0043	R V HEALTH CARE	DOOR NO. 216/47 2ND FLOOR, DURAI COMPLEX, RAJA MILL ROAD, POLLACHI TOWN, Pollachi, 642001, Pollachi, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0044	SRI LAKSHMI IMC HERBAL	17/3, MAHALAKSHMI AVENUE, VAGARAYAMPALAYAM, Kaniyur-palladam, 641659, Coimbatore South, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0045	JAY JAGANNATH MOBILES	11/149 GANESHAPURAM, KATTAMPATTI, 641107, Coimbatore North, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0046	IMC NAVAJIWAN AYURVEDA	5/194, Coimbatore Polytech Pvt Ltd, Naranapuram, Arasur Post, Naranapuram, 641407, Coimbatore South, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0047	SANTHI HERBALS	4/168, Karupparayan Kovil street, Ramanathapuram, Puliyakulam, 641045, Coimbatore South, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0048	MAHADEV IMC HERBAL STORE	88/60, East Street, Siddanaicken Palayam, Siddanaickenpalayam, 641658, Coimbatore South, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu
DIS0049	IMC SHIVASHANKAR AYURVEDA	DOOR NO- 64/2, U K N STREET, Suler, 641402, Suler, Coimbatore, Tamil Nadu	Coimbatore	Tamil Nadu

SCREENSHOTS OF THE WEBSITE

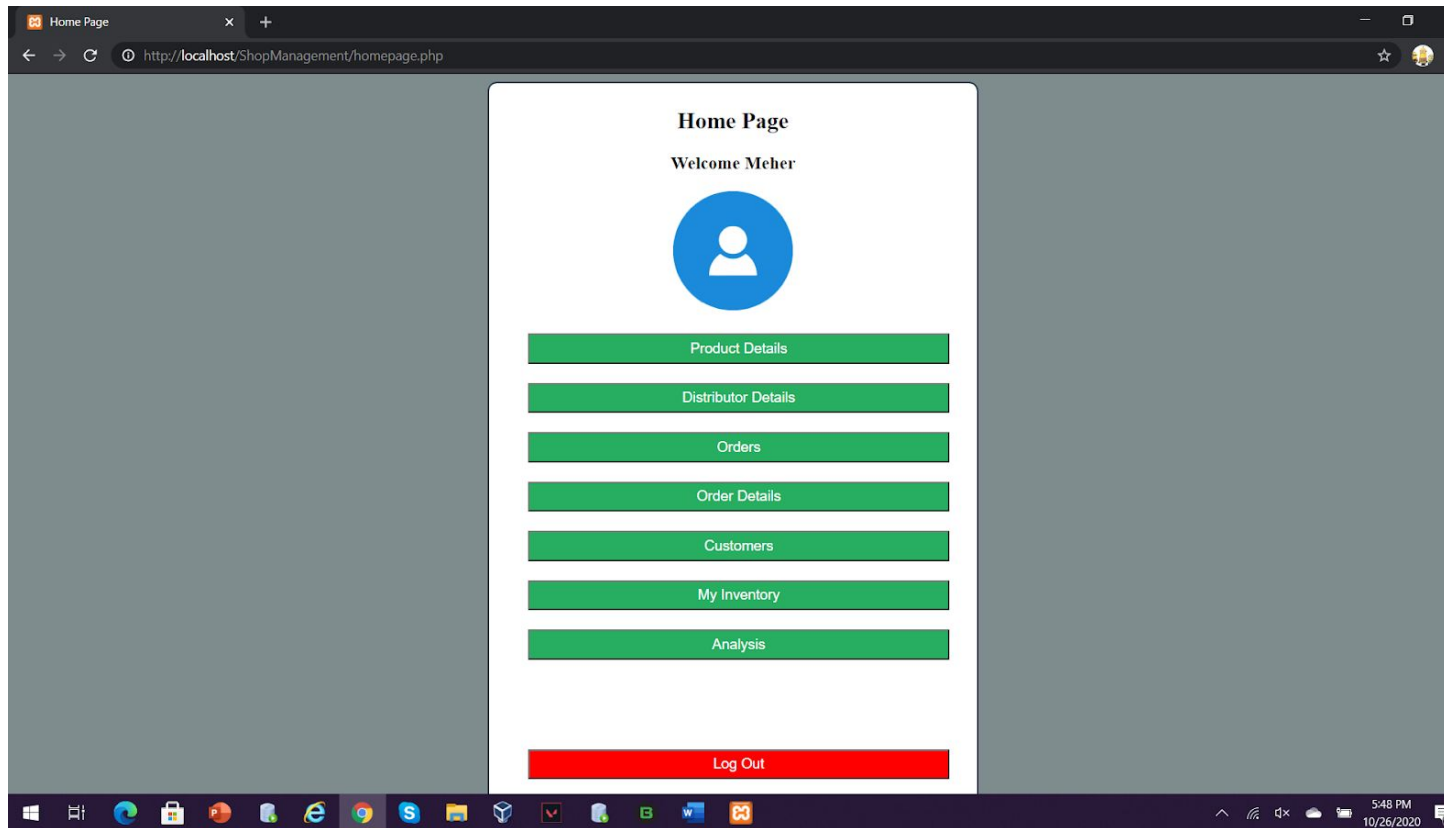
Login page



If new user, registration page.



Home page



Displays the products and their details that are offered by the company. The user doesn't have the access/requirement to edit these. They will be managed by the company.

The screenshot displays a web application for managing products. At the top, there's a navigation bar with a "Back to Home" button. Below this, the main heading is "List of Products". A table follows, listing 20 different products. Each row includes details such as the product ID, category name, product name, unit of measurement, quantity per packet and carton, manufacturing cost (MRP), selling price, volume/benefit value (BV), and the applicable GST rate.

Product ID	Category Name	Product Name	Unit	PcsPacket	PcsCarton	MRPUnt	PriceUnit	BV	GST
1000	Health Care	Alkaline & Anti-Bacterial Ceramic Balls	1	1	120	400	300	120	18%
1001	Health Care	Aloe Aam Pachak	100 gm	1	60	99	90	25	12%
1002	Health Care	Aloe Ajwain Pachak	100 gm	30	30	75	65	20	12%
1003	Health Care	Aloe Amla Candy	200 gm	30	30	105	85	20	5%
1004	Health Care	Aloe Anardana Pachak	100 gm	30	30	75	65	20	12%
1005	Health Care	Aloe Blood Purifier Syrup	200 ml	60	60	150	125	48	12%
1006	Health Care	Aloe Cal-D Tablet	30 Tab	1	60	360	260	100	12%
1007	Health Care	Aloe Cal-D Tablet	30 Tab	30	30	360	260	100	12%
1008	Health Care	Aloe Charcoal Dental Gel	100 gm	50	50	160	120	40	18%
1009	Health Care	Aloe Digest	30 ml	60	60	160	115	50	12%
1010	Health Care	Aloe Harad Pachak	100 gm	30	30	75	65	20	12%
1011	Health Care	Aloe Hing Pachak	100 gm	30	30	75	65	20	12%
2000	Health Care	Aloe Jeera Pachak	100 gm	60	60	75	65	20	12%
2001	Skin Care	Aloe Anti Aging Cream	60 gm	1	60	390	275	100	18%
2002	Skin Care	Aloe Cream	60 gm	30	60	220	155	60	18%
2003	Skin Care	ALOE FACE CLEANSER + HERBAL ALOE	100 gm	1	30	250	210	80	18%

Displays the distributor's details. The user doesn't have the access/requirement to edit these. They will be managed by the company.

Products List

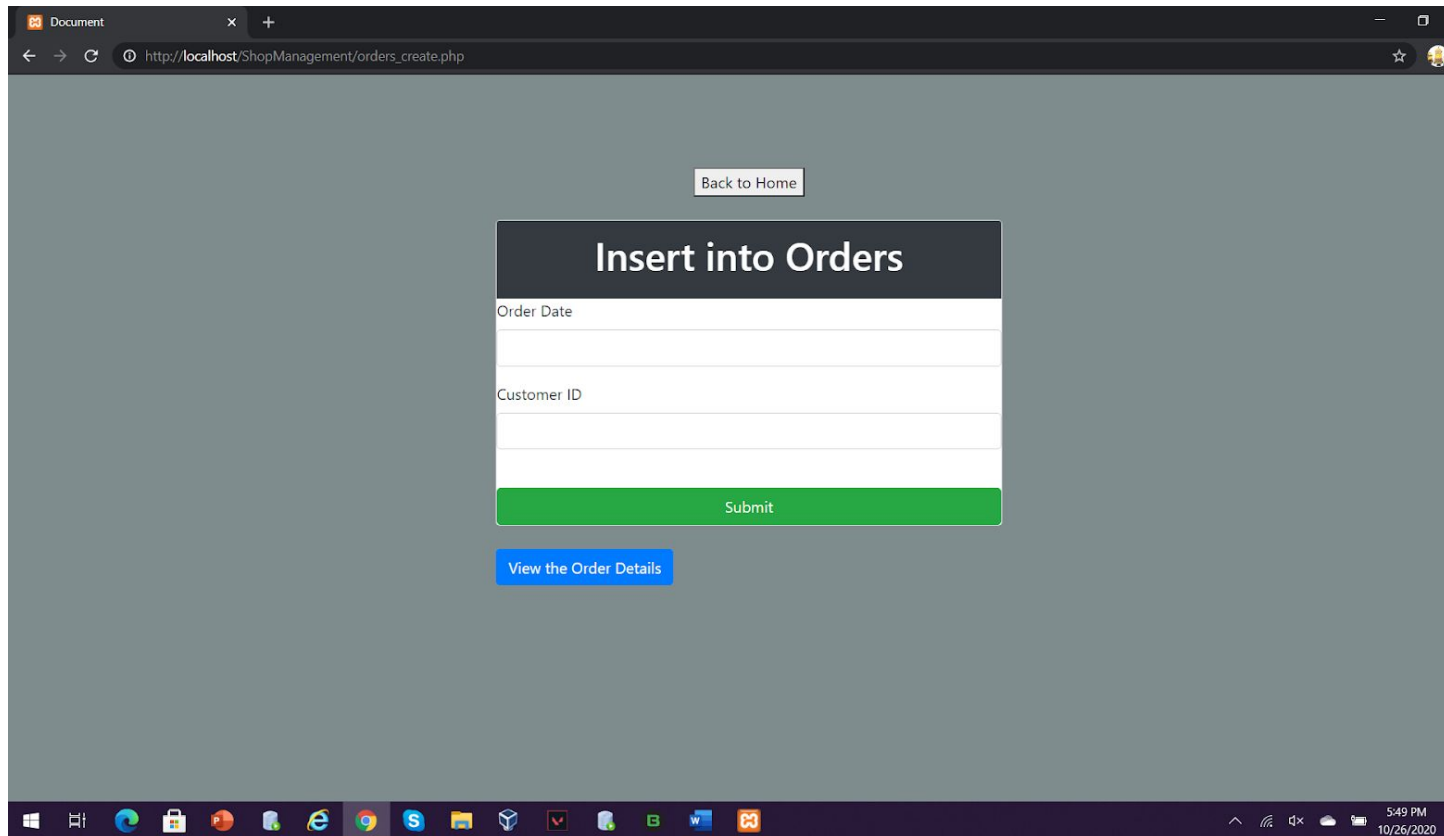
[←](#)
[→](#)
[↺](#)
[↻](#)
[http://localhost/ShopManagement/searchdistributors.php](#)

Back to Home

Distributors Quick Access

Distributor ID	Name	Address	District	State
1	LAKSHMI NARASIMHA HERBAL PRODUCTS	GOVINDA REDDY COMPLEX, D.NO. 18/713, VINUGOPAL NAGAR, ANANTAPURAMU, Anantapur, 515001, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
2	SRI THULASI AYURVEDIC HERBAL STORE	16/64, NUT BAZAR, Hindupur, 515201, Hindupur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
3	HIMA DEEPIKA HERBALS	2-591, 4Th road , NEAR ANJANEYA SWAMY TEMPLE, ANANTAPUR, 515004, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
4	SAI REKHA AYURVEDIC HERBAL STORES	# 3-2366, SAI SADAN, SAI TEMPLE, VIVEKANANDA ROAD, PUTTAPARTHI, 515134, Penu Konda, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
5	GREENLEAF AYURVEDIC	1-515-A, RUDRAMPETA, RUDRAMPETA, 515001, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
6	SHRI SAI IMC AYURVEDIC & ORGANIC STORE	3/782-A, A S R NAGAR,, TAPOVANAM, 515004, Anantapur, Ananthapur, Andhra Pradesh	Ananthapur	Andhra Pradesh
7	KIRAN ENTERPRISES	19-1-19, NEAR OLD PANCHAYAT OFFICE, REVENUE WARD NO.12, Balighhattam, 531116, Narsipatnam, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
8	SHREEJAY ENTERPRISES	DOOR NO.48-10-24,OPP RTC COMPLEX LANE,LAND MARK VARDHAN SUPER MARKET, Dwaraka nagar, 530016, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
9	LEELA ENTERPRISES	3-11-71/2, FIRST FLOOR, EAST SIDE FIRST SHATTER, OPP. RAITU BAZAAR AND MASEED, Gajuwaka, 530026, Gajuwaka, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
10	SHANMUKHA ENTERPRISES	FIRST FLOOR 36-46-78, REDDY KANCHARAPALEM, R.C.C SHOP, NEAR ANUPAMA HOTEL,, Visakhapatnam (urban, 530008, Visakhapatnam(urban), Visakhapatnam, Andhra Pradesh	Visakhapatnam	Andhra Pradesh
		13-244,DONKADA,AGANAMPUDI,RAMALAYAM,,		

To place a new order.



To delete/update existing orders, the options will be disabled due to certain foreign key dependencies. Moreover, in real life, the options are not relevant unless in times of errors while scanning.

Document x +

← → ↻ http://localhost/ShopManagement/orders_display.php ☆

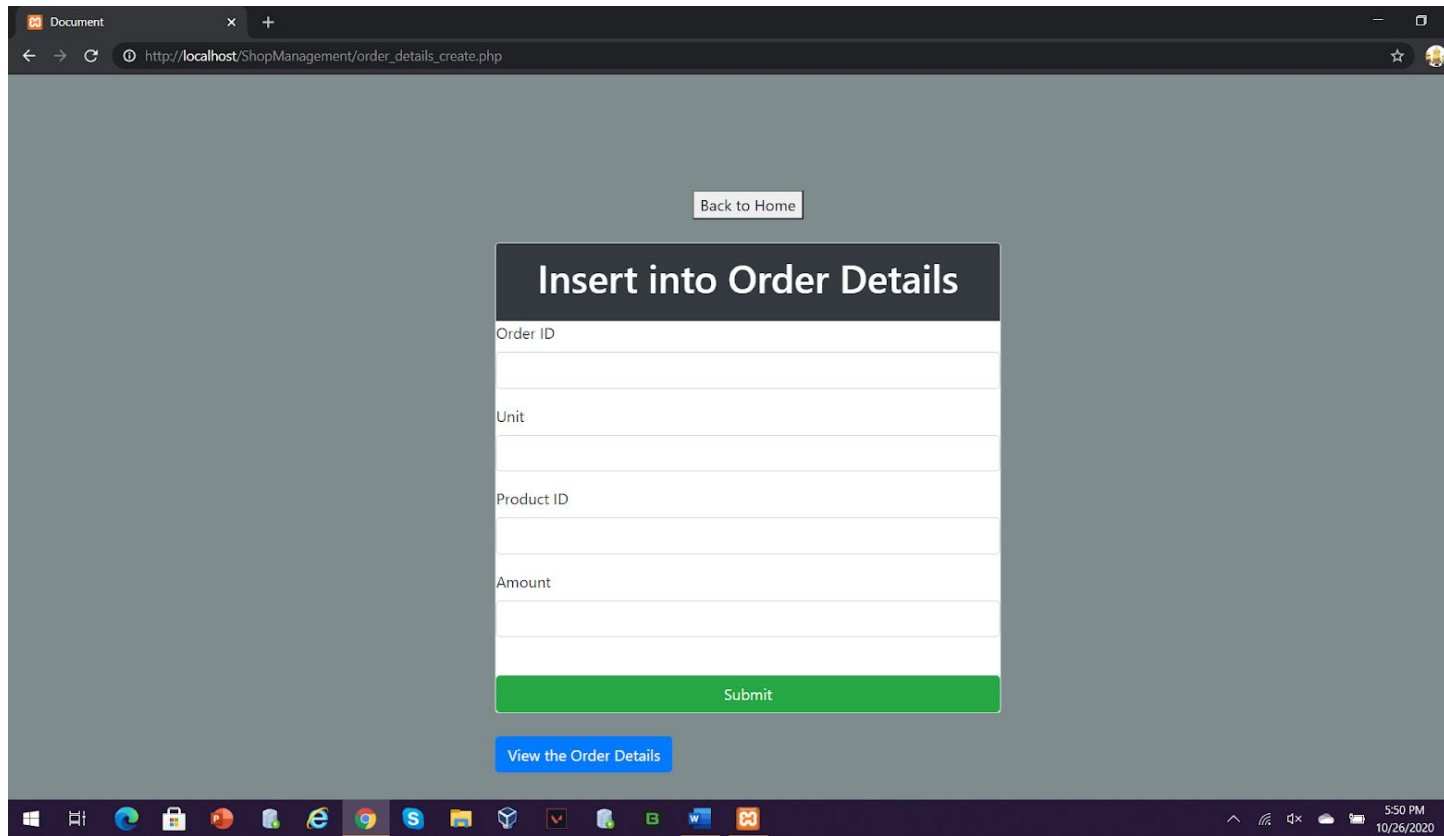
Back to Home

Orders

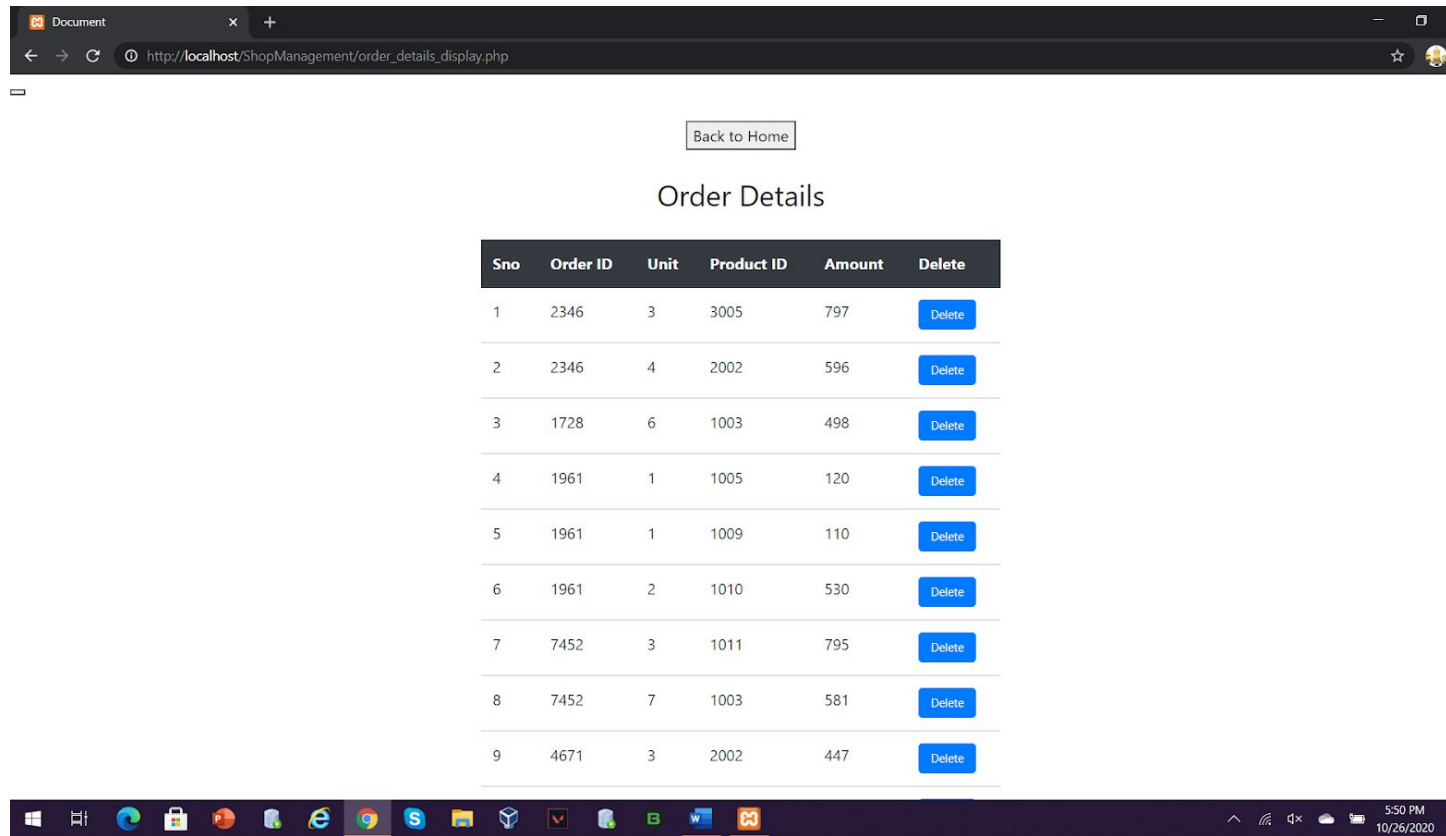
Order ID	Order Date	Customer ID	Delete	Update
1003	03-04-2020	18	Delete	Update
1276	13-09-2019	11	Delete	Update
1386	09-06-2020	19	Delete	Update
1728	26-02-2019	2	Delete	Update
1924	23-05-2019	6	Delete	Update
1961	18-03-2019	3	Delete	Update
2346	11-02-2019	1	Delete	Update
3200	19-10-2019	13	Delete	Update
3452	19-06-2019	8	Delete	Update
3472	07-08-2019	10	Delete	Update
4671	16-04-2019	5	Delete	Update

Windows taskbar: 5:49 PM 10/26/2020

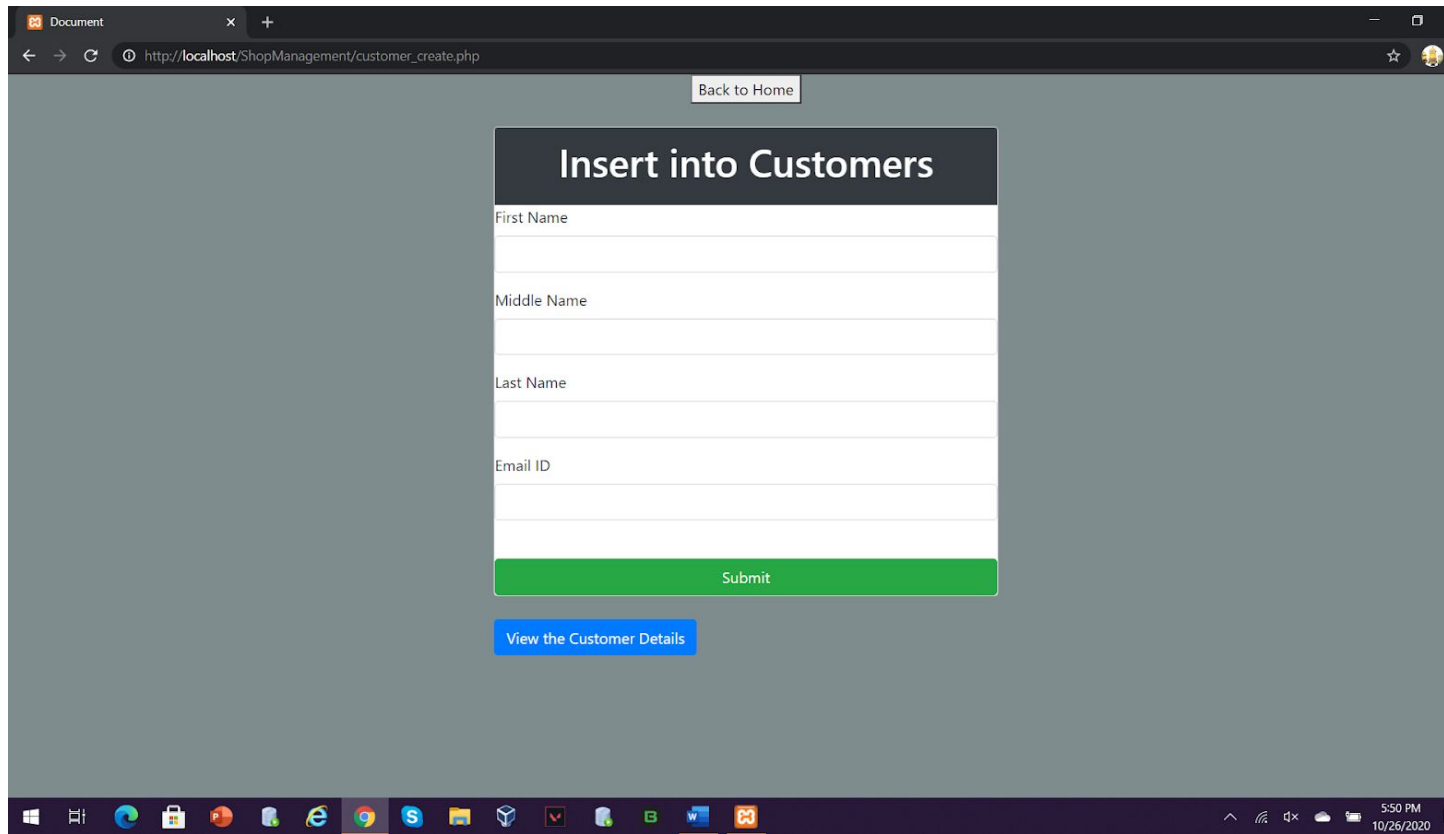
Enter order details after placing a new order.



Delete order details in case of an error in entering. Inventory will automatically be incremented.



Enter Customer Details for New Customer.



View, delete, update all the customer list.

Document x +

← → ↻ http://localhost/ShopManagement/customer_display.php ☆

Back to Home

Customer ID	First Name	Middle Name	Last Name	Email ID	Delete	Update
1	Agney	Singh	Talwar	agneys@gmail.com	Delete	Update
2	Manoj		Raj	manojr@gmail.com	Delete	Update
3	Sanjay	Mohan	Sharma	ssharma@gmail.com	Delete	Update
4	Aman		Verma	amanverma@gmail.com	Delete	Update
5	Raj		Kapoor	raj02@gmail.com	Delete	Update
6	Jinto		James	jintojames01@gmail.com	Delete	Update
7	Sabar		Nimmagadda	nsabar@outlook.com	Delete	Update

Windows taskbar: 5:50 PM 10/26/2020

Insert new entry to the inventory.

The screenshot shows a web browser window with the address bar displaying `http://localhost/ShopManagement/inventory_create.php`. The page has a dark gray background. At the top center, there is a button labeled "Back to Home". Below it, a white form box is centered. The form has a dark header with the title "Insert into Inventory". Inside the form, there are five input fields with labels: "Product ID", "Unit or Quantity", "TBV", "Price/Unit", and "Distributor ID". Each label is followed by a white input field. At the bottom of the form is a green button labeled "Submit". Below the form box, there is a blue button labeled "View the Inventory". The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 5:51 PM on 10/26/2020.

To view/manually update/delete items from the inventory. However, everytime an item is added in the order details, its units from the inventory will automatically be decremented.

Document x +

← → ↻ http://localhost/ShopManagement/inventory_display.php ☆

Back to Home

Sno	Product ID	Unit or Quantity	TBV	Price/Unit	Distributor_ID	Delete	Update
1	1003	13	260	83	1	Delete	Update
2	1005	6	288	120	2	Delete	Update
3	1006	3	300	250	2	Delete	Update
4	1008	8	320	116	4	Delete	Update
5	1009	13	150	110	1	Delete	Update
6	1010	3	300	265	1	Delete	Update
7	2002	4	240	149	2	Delete	Update
8	3000	1	75	178	4	Delete	Update
9	3005	2	190	266	4	Delete	Update
10	3007	5	125	73	46	Delete	Update

Windows taskbar: 6:11 PM 10/26/2020

Analysis: Helps the manager keep track of the best and worst selling products, the most valuable customers, general trends among them etc.

(8) WhatsApp
Products List
+
http://localhost/ShopManagement/analysis.php
Back to Home

Highest to Lowest Selling Products of the Month

Product ID	Product Name	Units Sold
1003	Aloe Amla Candy	25
1009	Aloe Digest	13
1010	Aloe Harad Pachak	8
2002	Aloe Cream	7
3005	Aloe Baby Hair & Body Wash	6
1006	Aloe Cal-D Tablet	5
1008	Aloe Charcoal Dental Gel	5
6000	Aloe Coco Cookies (Sweet)	3
6002	Aloe Multigrain Atta	1
1005	Aloe Blood Purifier Syrup	1
6003	Aloe Protein Diet (Corn Pudina Triangle)	
5000	Agro Activator	
3007	Aloe Baby Soap (Ayurvedic)	
5004	Herbal Aloe Vita	
4001	Rinz Water Bottles	
3006	Aloe Baby Massage Oil	
6009	Saboot Jeera	
5003	Herbal Aloe Vical	
3009	Aloe Baby Wipes	
3000	Acupressure Pads	

Sales by Category

(8) WhatsApp
Products List
+
http://localhost/ShopManagement/analysis.php

Sales by Category

Category Name	Units Bought
Food Products	2
Health Care	22
Personal Care	2
Skin Care	2

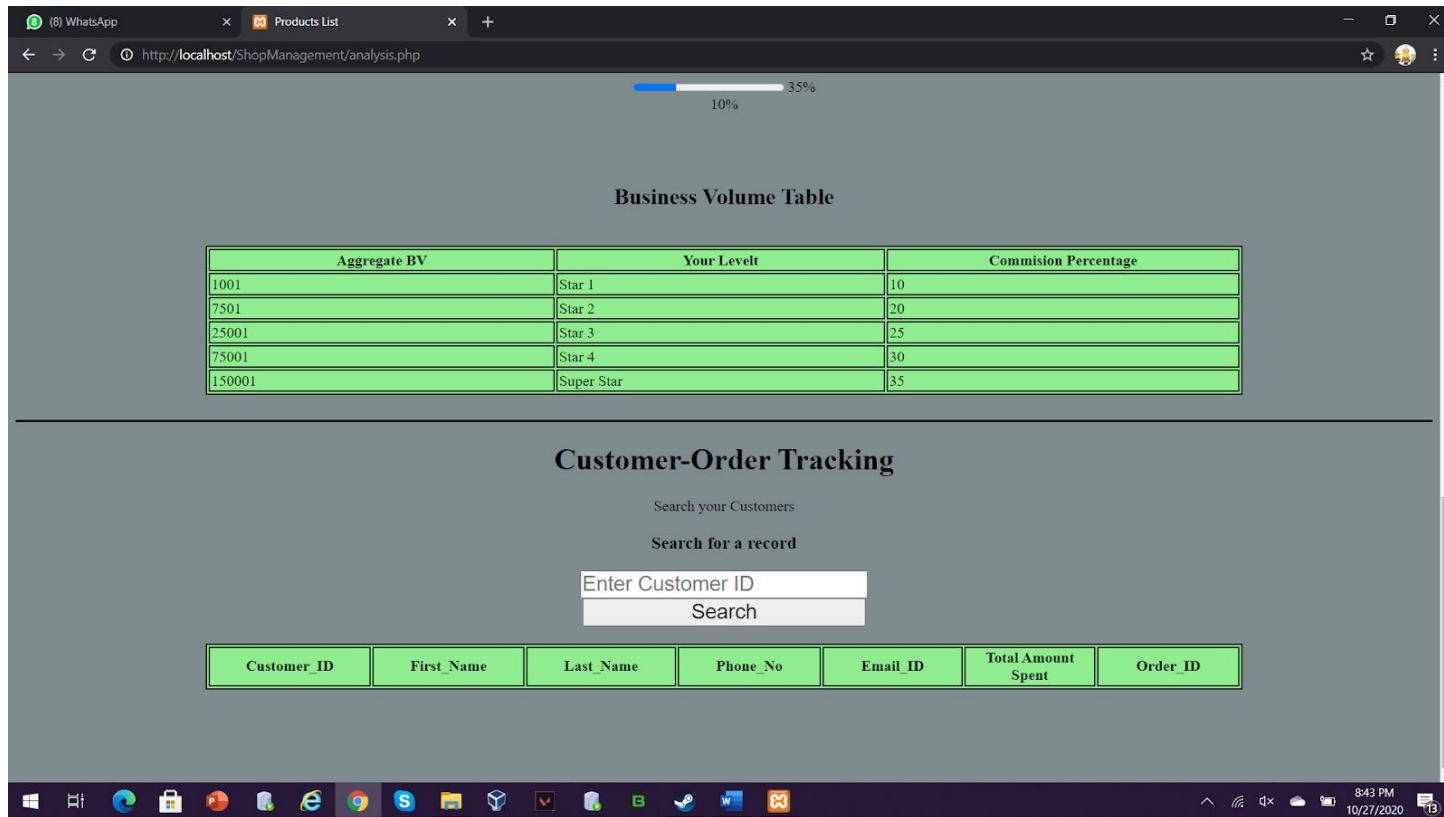
Business Progress

Your discount percentage on products bought is decided by the total business volume that you accumulate during your business period. Maximum possible percentage is 35%, the below bar shows your current discount status on the products you buy from the company, from the company's distributors.

10%
35%

Business Volume Table

Aggregate BV	Your Levelt	Commision Percentage
1001	Star 1	10
7501	Star 2	20
25001	Star 3	25



CONCLUSION:

This project was a good learning experience which involved learning PHP, HTML and basics of CSS and javascript. We tried to successfully implement a user friendly, efficient and time consuming sales management system for local resellers/small scale shops.

FUTURE SCOPE:

More emphasis can be given to the analysis section in the upcoming models. Technologies involving machine learning can help predict/estimate the market size, trend and forecast analysis, segmentation analysis, regional analysis, growth opportunities, strategic analysis etc.

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