



Rizvi College Of Engineering
Department Of Computer Engineering
Mini Project Report
On
Dairy Farm Shop Management System

Third year of Engineering

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Abstract

Dairy Farm Shop Management System:

This project deals with the management of milk and milk products. It deals with the sale of milk and milk products and by making records in the database. The first step in the project is to add a staff member to the database the make entries by specifying the product type and rates with quantity, these added values will be displayed in the stock section and sales made in the transaction section. All create, read, update and delete operations are supported in this project for complete representation.

Our Shop Management System allows to view the details of the sales. It contains the information of the stocks and sales.

Customer, Products, Billing Generation: Automate the current manual bill generation system and maintain the searchable customer, products database and product invoice, maintain the data security, user rights.

Chapter 1

Introduction

1. Introduction

This project deals with the management of the Computerized Dairy Farm Sho Management Solution.

The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes the goods information of their efficiency cost. For easy and convenient processing, we developed a software which works as per our requirements. While preparing this software we got to remember few things i.e. this software must have a friendly environment, in other words it should not be much complicated to handle, it should have options for future modifications in the database i.e. the goods list & new items.

For smooth functioning, we had to prepare a database by which we could enter the required data in their respective locations. In this database all the records of daily entry made are stored, so that we can use them in future whenever allotted to their caretaker. Other than that, no one could use this and on entering an illegal password or login name an error message get displayed

Chapter 2

Literature Review

2.Literature Review

2.1 Existing System:

The existing comprises of old-school transaction dealings and does not have any digital records of the transaction. This method is highly volatile as the records could be easily lost due to human error and could cause a variety of problems. Our solution is to make the system digital and automated to reduce the labour hours and nullify human errors as much as possible.

2.2 Proposed system:

Proposed system is an automated Dairy Farm Shop Management System. In this System admin can login, add company, products, admin can view from which company we have purchased which products, can check payment. Admin can login, can see the record how much sale has been made and also track the record of all types of transactions at our fingertips. Our proposed system has following advantage:

- User friendly interface
- Fast access to database
- Less error
- More Storage Capacity
- Search facility
- Look and Feel Environment

Chapter 3

Requirement Analysis

2. Requirement Analysis

3.1 Hardware Requirements:

Below is the hardware we required to build the system

1. Pentium core2Duo or above processor
2. 2GB RAM
3. 320GB HDD
4. Ethernet Port/ Wi-Fi card.

3.2 Software Requirements:

3.2.1 Front-End:

The software required to design the user interface and user experience i.e. front end given below

1. PHP: Hypertext Pre-processor is widely used open source general-purpose scripting language that is specially suited for web development and can be embedded into html.
2. XAMPP: for database storing.
3. VS Code: we used this software to mainly edit and integrate webpages based on PHP, HTML and JavaScript.

3.2.2 Backend:

The main backend technology is used for storing and managing databases is a MYSQL that provides online database storage options along with “phpMyAdmin”. MYSQL is the programming language used for backend.

3.3 Feasibility Study:

On this phase we describe the key topics like whether it is important by the customer and developer's point of view to develop project or not. It is primary investigation that we take before starting the project processes. This gives us a fair idea about what? Why? and how? We will develop this project.

3.3.1 Operational feasibility

We took this investigation to understand the market and get the fair knowledge about "is this application really needed?" User acceptance is the key point which is always needed while doing it. People needed much functionality from which we managed to make main functionalities available

3.3.2 Economic feasibility

Economic feasibility is the most important and frequently used method for evaluating. The effectiveness of the proposed system. It is very essential because the main goal of the proposed system is to have economically better result along with increased efficiency. Cost benefit analysis is usually performed for this purpose. It is the comparative study of the cost verses the benefit and saving that are expected from the proposed system.

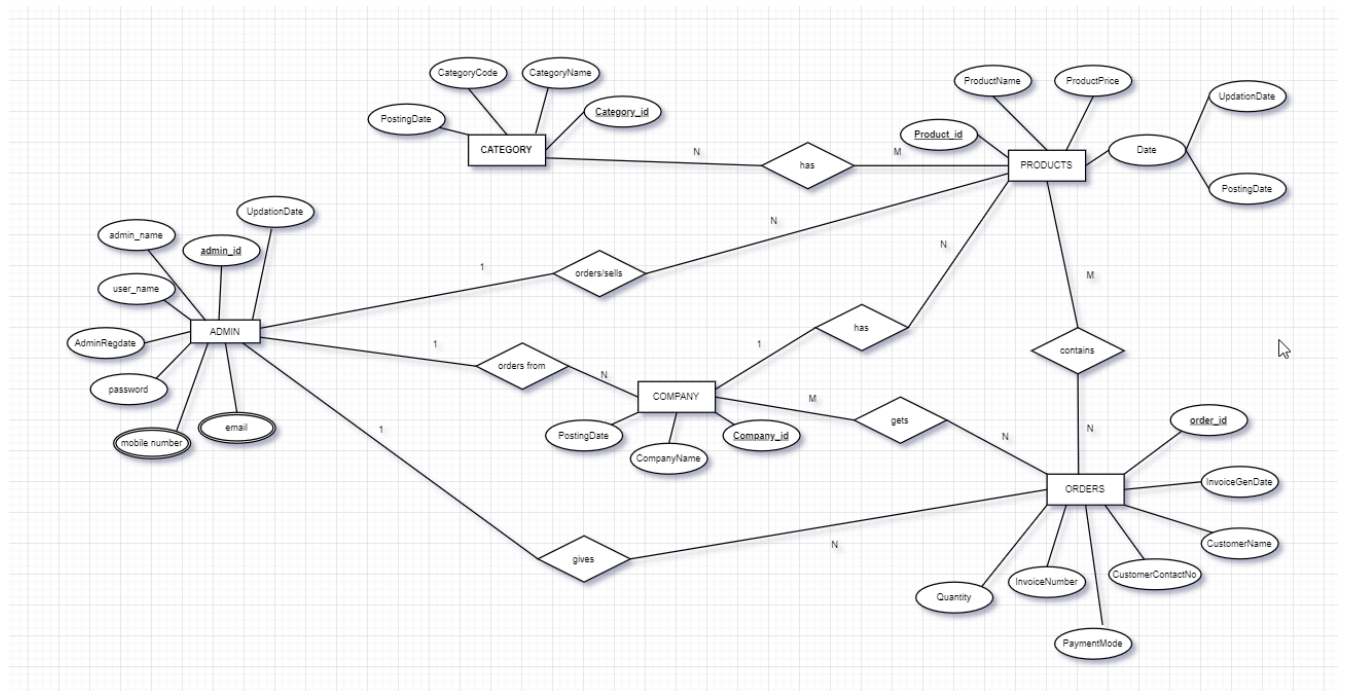
3.3.3 Technical Feasibility

The main consideration is to be given to the study of available resources of the organization where the software is to be implemented.

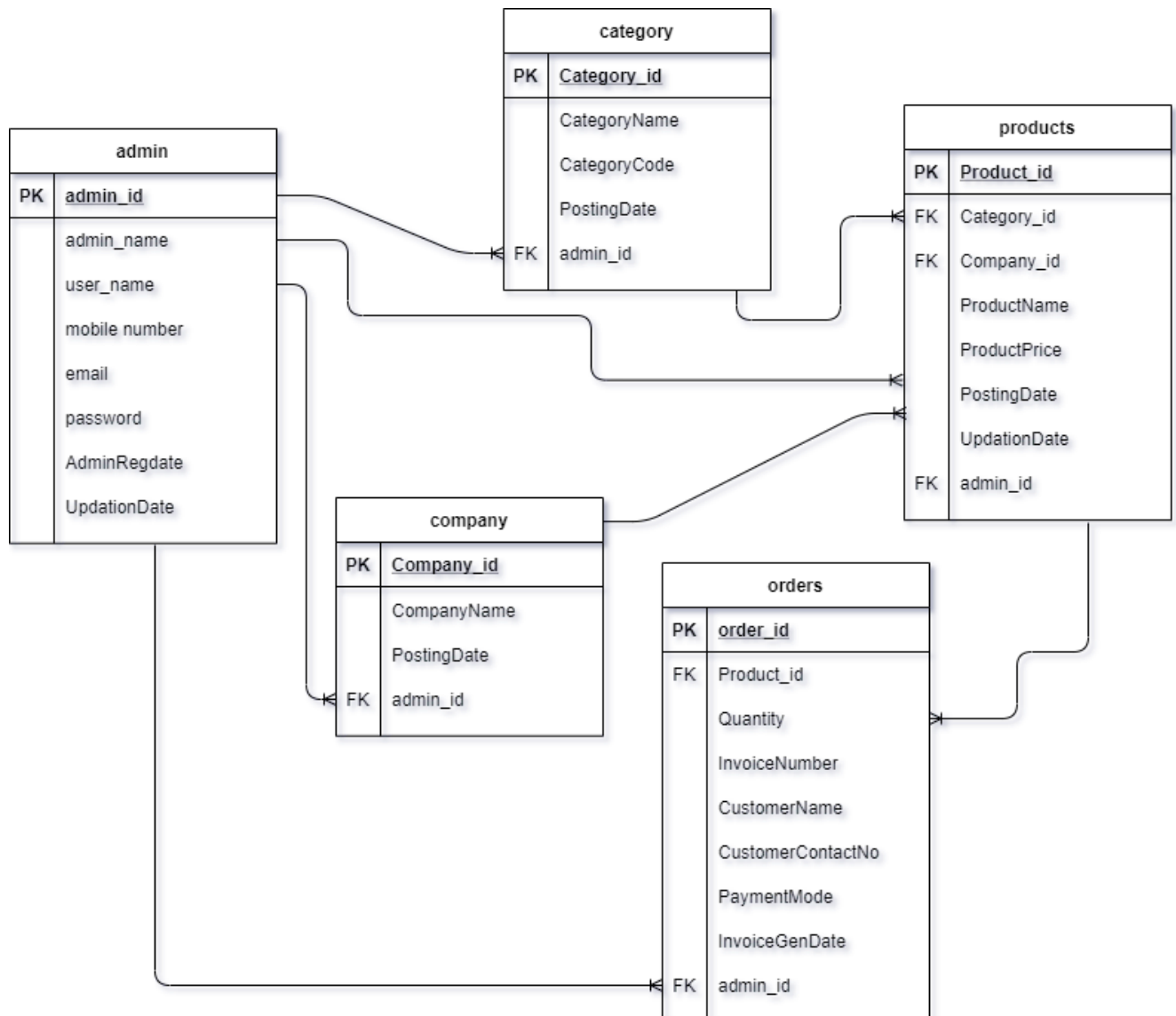
Chapter 4

Implementation

4.1 ER DIAGRAM



4.2 ER TO RD DIAGRAM:



4.3 SCHEMA

- 1) Admin: admin-id (pk), admin_name, user_name, mobile number, email, password, adminRegdate, UpdationDate.
- 2) Company: company_id (pk), company_name, PostingDate, admin_id(fk).
- 3) Category: category_id(pk), CategoryName, CategoryCode, PostingDate, admin_id(fk).
- 4) Orders: order_id(pk), Quantity, InvoiceNumber, CustomerName, CustomerContactNo, PaymentMode, InvoiceGenDate, Product_id (fk1), action, admin_id(fk2).
- 5) Products: product_id(pk), ProductName, ProductPrice, PostingDate, UpdationDate, Category_id(fk1), Company_id(fk2), admin_id(fk3).

4.5 Query

Create database:

Create database dfsms;

Create table admin:

```
CREATE TABLE `tbladmin` (  
  `ID` int(5) NOT NULL,  
  `AdminName` varchar(45) DEFAULT NULL,  
  `UserName` char(45) DEFAULT NULL,  
  `MobileNumber` bigint(11) DEFAULT NULL,  
  `Email` varchar(120) DEFAULT NULL,  
  `Password` varchar(120) DEFAULT NULL,  
  `AdminRegdate` timestamp NULL DEFAULT current_timestamp(),  
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Create table Category:

```
CREATE TABLE `tblcategory` (  
  `id` int(11) NOT NULL,  
  `CategoryName` varchar(200) DEFAULT NULL,  
  `CategoryCode` varchar(50) DEFAULT NULL,  
  `PostingDate` timestamp NULL DEFAULT current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Create table tblcompany:

```
CREATE TABLE `tblcompany` (  
  `id` int(11) NOT NULL,  
  `CompanyName` varchar(150) DEFAULT NULL,  
  `PostingDate` timestamp NULL DEFAULT current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```


Create table Orders:

```
CREATE TABLE `tblorders` (  
  `id` int(11) NOT NULL,  
  `ProductId` int(11) DEFAULT NULL,  
  `Quantity` int(11) DEFAULT NULL,  
  `InvoiceNumber` int(11) DEFAULT NULL,  
  `CustomerName` varchar(150) DEFAULT NULL,  
  `CustomerContactNo` bigint(12) DEFAULT NULL,  
  `PaymentMode` varchar(100) DEFAULT NULL,  
  `InvoiceGenDate` timestamp NULL DEFAULT current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;;
```

Create table Products:

```
CREATE TABLE `tblproducts` (  
  `id` int(11) NOT NULL,  
  `CategoryName` varchar(150) DEFAULT NULL,  
  `CompanyName` varchar(150) DEFAULT NULL,  
  `ProductName` varchar(150) DEFAULT NULL,  
  `ProductPrice` decimal(10,0) DEFAULT current_timestamp(),  
  `PostingDate` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp(),  
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

4.5 database structure:

Admin table:

```
MariaDB [(none)]> use dfsms;
Database changed
MariaDB [dfsms]> select * from tbladmin;
```

ID	AdminName	UserName	MobileNumber	Email	Password	AdminRegdate	UpdationDate
1	THE BOYS	admin	6969696969	theboys@ymail.com	f925916e2754e5e03f75dd58a5733251	2019-12-23 00:00:00	2020-11-26 20:15:49

```
1 row in set (0.000 sec)
```

Category table:

```
MariaDB [dfsms]> select * from tblcategory;
```

id	CategoryName	CategoryCode	PostingDate
1	Milk	MK01	2020-11-29 12:04:34
2	Butter	BT01	2020-11-29 12:05:30
3	Bread	BD01	2020-11-29 12:06:10
5	Soya	SY01	2020-11-29 12:06:35
6	Ghee	GH01	2020-11-29 12:07:47
8	Paneer	PNR01	2020-11-29 12:07:52

```
6 rows in set (0.000 sec)
```

Company table:

```
MariaDB [dfsms]> select * from tblcompany;
```

id	CompanyName	PostingDate
1	Amul	2020-11-29 12:10:28
2	Mother Dairy	2020-11-29 12:10:39
3	Patanjali	2020-11-29 12:10:49
4	Namaste India	2020-11-29 12:11:06
5	Paras	2020-11-29 12:11:23

```
5 rows in set (0.001 sec)
```

Orders table:

```
MariaDB [dfsms]> select * from tblorders;
```

id	ProductId	Quantity	InvoiceNumber	CustomerName	CustomerContactNo	PaymentMode	InvoiceGenDate
1	4	2	753947547	Anuj	9354778033	cash	2020-11-29 12:12:01
2	1	1	753947547	Anuj	9354778033	cash	2020-11-29 12:12:08
3	1	1	979148350	Sanjeen	1234567890	card	2020-11-29 12:12:20
4	4	1	979148350	Sanjeen	1234567890	card	2020-11-29 12:12:29
5	1	1	861354457	Rahul	9876543210	cash	2020-11-29 12:12:41
6	5	1	861354457	Rahul	9876543210	cash	2020-11-29 12:12:56
7	5	1	276794782	Sarita	1122334455	cash	2020-11-29 12:13:08
8	6	1	276794782	Sarita	1122334455	cash	2020-11-29 12:13:17
9	6	2	744608164	Babu Pandey	123458962	card	2020-11-29 12:14:03
10	2	2	744608164	Babu Pandey	123458962	card	2020-11-29 12:14:31
11	7	1	139640585	John	45632147892	cash	2020-11-29 12:14:48
12	5	1	139640585	John	45632147892	cash	2020-11-29 12:15:09

```
12 rows in set (0.001 sec)
```

Products table:

```
MariaDB [(none)]> use dfsms;
Database changed
MariaDB [dfsms]> select * from tblproducts;
```

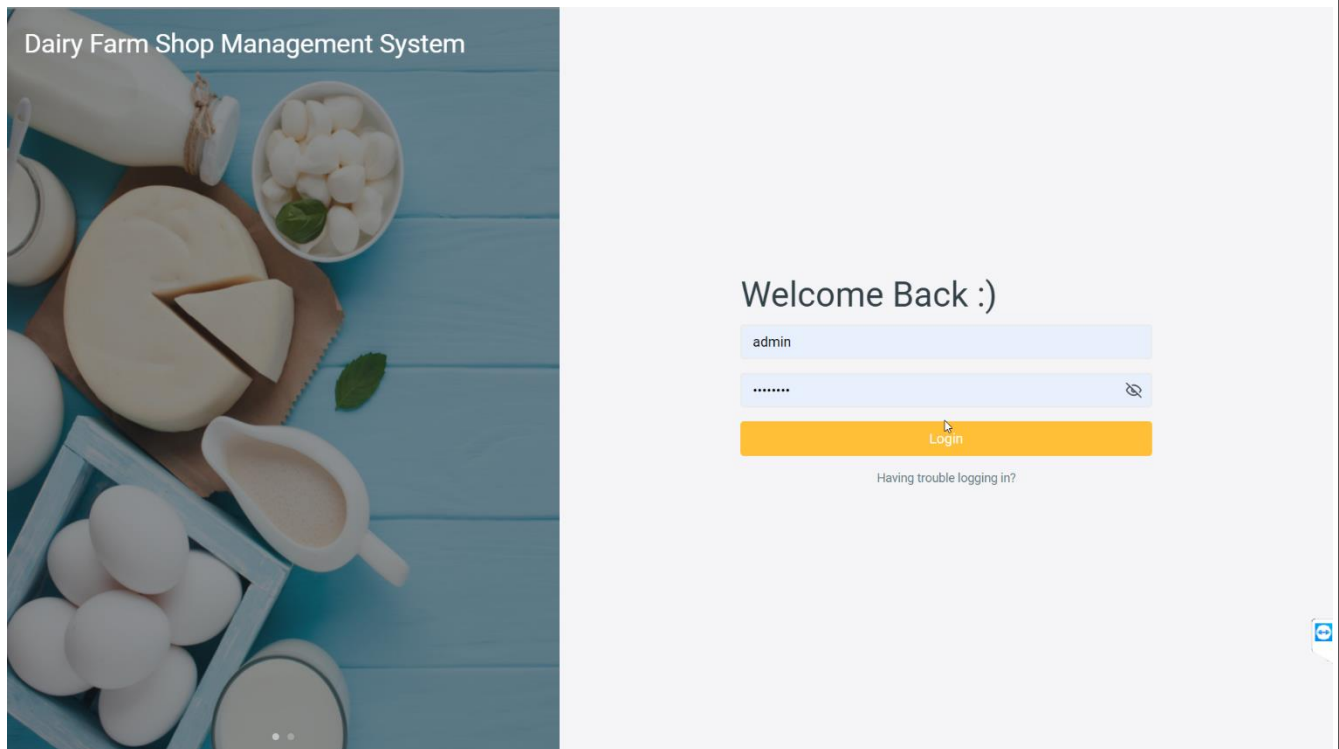
id	CategoryName	CompanyName	ProductName	ProductPrice	PostingDate	UpdationDate
1	Milk	Amul	Toned milk 500ml	22	2020-11-29 12:15:41	2020-11-29 12:15:39
2	Milk	Amul	Toned milk 1ltr	42	2020-11-29 12:15:34	2020-11-29 12:15:30
3	Milk	Mother Dairy	Full Cream Milk 500ml	26	2020-11-29 12:15:50	2020-11-29 12:15:48
4	Milk	Mother Dairy	Full Cream Milk 1ltr	50	2020-11-29 12:16:20	2020-11-29 12:16:13
5	Butter	Amul	Butter 100mg	46	2020-11-29 12:16:06	2020-11-29 12:16:04
6	Bread	Patanjali	Sandwich Bread	30	2020-11-29 12:15:56	2020-11-29 12:15:51
7	Ghee	Paras	Ghee 500mg	350	2020-11-29 12:17:14	2020-11-29 12:17:11

```
7 rows in set (0.000 sec)
```

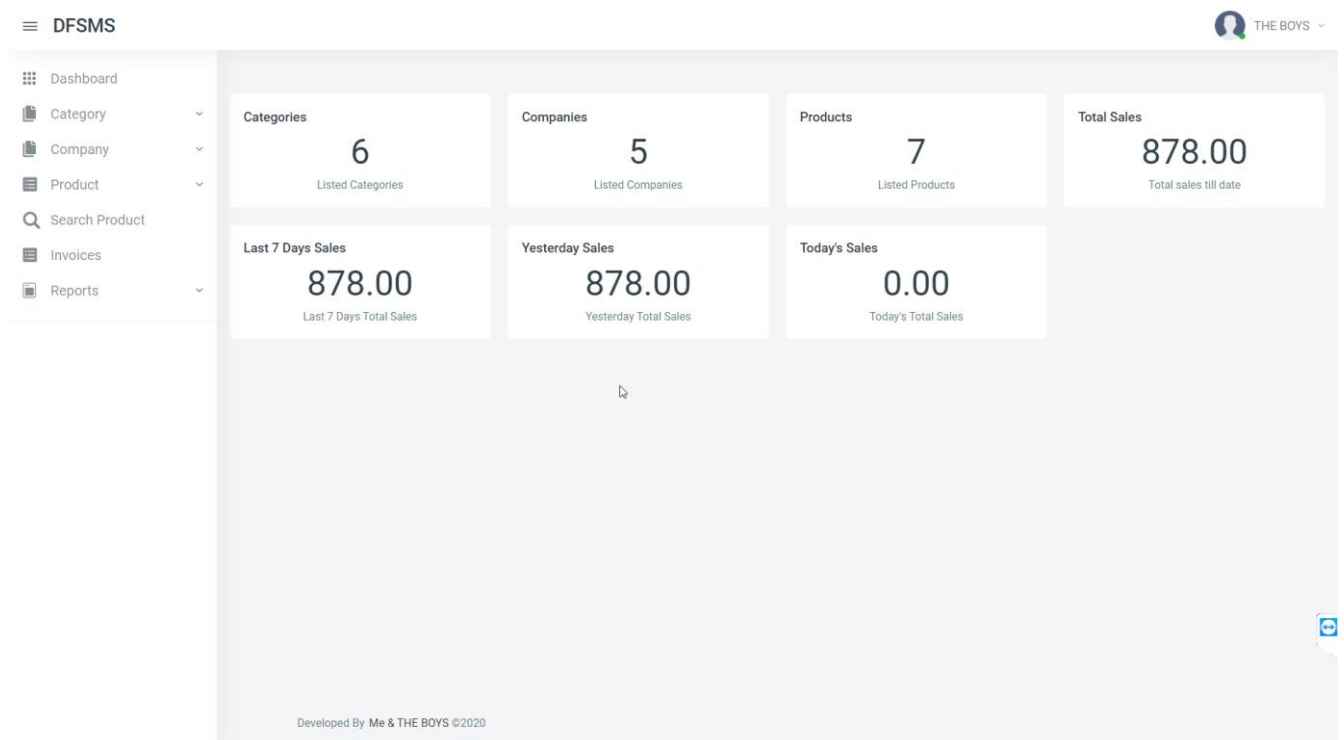
Chapter5

UI DESIGN

LOGIN PAGE:



DASHBOARD PAGE:



CATEGORY-MANAGE PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Category > Manage

Manage Categories

10 items

Search

#	Category	Category Code	Posting Date	Action
1	Milk	MK01	2020-11-29 12:04:34	Edit Delete
2	Butter	BT01	2020-11-29 12:05:30	Edit Delete
3	Bread	BD01	2020-11-29 12:06:10	Edit Delete
4	Soya	SY01	2020-11-29 12:06:35	Edit Delete
5	Ghee	GH01	2020-11-29 12:07:47	Edit Delete
6	Paneer	PNR01	2020-11-29 12:07:52	Edit Delete

Showing 1 to 6 of 6 entries

[Previous](#) [1](#) [Next](#)

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CATEGORY-ADD PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Product > Add

Add Product

Category

Category

Category Code

Category Code

Submit

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COMPANY-MANAGE PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Company > Manage

Manage Companies

10 items

Search

#	Company Name	Posting Date	Action
1	Amul	2020-11-29 12:10:28	Edit Delete
2	Mother Dairy	2020-11-29 12:10:39	Edit Delete
3	Patanjali	2020-11-29 12:10:49	Edit Delete
4	Namaste India	2020-11-29 12:11:06	Edit Delete
5	Paras	2020-11-29 12:11:23	Edit Delete

Showing 1 to 5 of 5 entries

[Previous](#) [1](#) [Next](#)

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COMPANY-ADD PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Company > Add

Add Company

Company Name

Submit

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PRODUCTS-MANAGE PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Product > Manage

Manage Products

10 items

Search

#	Category	Company	Product	Quantity	Pricing	Posting Date	Action
1	Paneer	Amul	Fresh Paneer	50	100	2020-12-05 08:58:56	Edit
2	Milk	Amul	Toned Milk 500ml	30	22	2020-12-05 08:56:49	Edit
3	Milk	Amul	Toned Milk 1L	40	44	2020-12-05 08:56:52	Edit
4	Butter	Amul	Smooth Butter	30	50	2020-12-05 08:56:55	Edit
5	Bread	Patanjali	Brown Bread	30	14	2020-12-05 08:57:00	Edit

Showing 1 to 5 of 5 entries

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PRODUCTS-ADD PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Product > Add

Add Product

Category

Select category

Company

Select Company

Product Name

Product Name

Product Price

Product Price

Submit

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SEARCH-PRODUCTS PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

THE BOYS

Search > Product

Search Product

Product Name

Product Name

Search

#	Category	Company	Product	Pricing	Quantity	Action
1	Milk	Amul	Toned Milk 500ml	22	<input type="text" value="1"/>	<button>Add to Cart</button>
2	Milk	Amul	Toned Milk 1L	44	<input type="text" value="1"/>	<button>Add to Cart</button>

Shopping Cart

Your Cart is Empty

Empty Cart

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CART (AFTER ADDING) PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

THE BOYS

Search

Shopping Cart

Empty Cart

Product Name	Category	Company	Quantity	Unit Price	Price	Remove
Toned Milk 500ml	Milk	Amul	1	22	22.00	Remove Item
Smooth Butter	Butter	Amul	1	50	50.00	Remove Item
Total:			2		72.00	

Customer Name

Customer Mobile Number

Customer Name

Mobile Number

Payment Mode

☐ Cash

☐ Card

Checkout

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INVOICES GENERATED PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

Invoices > Manage

Manage Invoices

25 items

Search

#	↑	Invoice Number	Customer Name	Customer Contact No.	Payment Mode	Invoice Gen. Date	Action
1		753947547	Anuj	9354778033	cash	2020-11-29 14:02:47	
2		979148350	Sanjeen	1234567890	card	2020-11-29 17:08:08	
3		861354457	Rahul	9876543210	cash	2020-11-29 08:33:24	
4		276794782	Sarita	1122334455	cash	2020-11-29 17:18:06	
5		744608164	Babu Pandey	123458962	card	2020-11-29 17:37:50	
6		139640585	John	45632147892	cash	2020-11-29 20:24:24	
7		530589234	saad	93014920913	cash	2020-12-05 08:35:39	
8		1234	Adnan	8989898	cash	2020-12-05 08:58:35	
9		413916185	Asif	8374902374	cash	2020-12-05 09:00:04	
10		1234	faisal	8989898	cash	2020-12-05 09:04:17	

Showing 1 to 10 of 10 entries

Previous1Next

EACH INVOICE PAGE:

DFSMS

Dashboard

Category

Company

Product

Search Product

Invoices

Reports

VIEW INVOICE

DFSMS

Dairy Farm Shop Management System

Invoice / Receipt

Date: 2020-12-05 09:04:17
Invoice / Receipt # 1234
Customer # faisal
Customer Mobile No # 8989898
Payment Mode # cash

Invoice / Receipt

Date: 2020-12-05 08:58:35
Invoice / Receipt # 1234
Customer # Adnan
Customer Mobile No # 8989898
Payment Mode # cash

#	Product Name	Category	Company	Quantity	Unit Price	Price
1	Fresh Paneer	Paneer	Amul	3	100	300.00
2	Toned Milk 500ml	Milk	Amul	3	22	66.00
Total						366.00

Chapter 6

Conclusion

6.1 Conclusion

The evidence gathered in this report reflects ongoing progress toward more openness in Shop automation systems, but also that much work remains. We see a variety of options and opportunities. Shops that expect to work with their automation system as delivered and not become involved in local extensions or programming will find that the majority of systems were built for that kind of use. For Shops that want to do more with their automation systems, however, we see a great deal of functionality possible today through open interfaces with momentum toward creating much more.

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success.

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