DBMS PROJECT REPORT

SUPPLY CHAIN MANAGEMENT SYSTEM

Indian Institute of Information Technology Allahabad

Semester IV, B.Tech(IT)
SECTION-C
GROUP-20

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INTRODUCTION

"SUPPLY CHAIN MANAGEMENT SYSTEM" is the management of a network of interconnected businesses involved in the ultimate provision of product and service packages required by end customers. It spans all movement and storage of raw

materials, work-in-process inventory, and finished goods from point-of-origin to point-of-consumption. It is mainly designed for the production sector, which gives information related to client and dealers of the company with respect to product launches.

SYSTEM REQUIREMENTS AND TECHNOLOGY USED

- Operating System: Any
- Xampp control panel
- HTML / CSS
- JAVASCRIPT
- MySQL
- PHP

SIGNIFICANCE OF TECHNOLOGIES USED

HTML : Provides structure to the page

CSS: Beautify the page layout by adding styles

JAVASCRIPT : To add functions in the code

MySQL : Language used to insert, update data in database.They store data and provide facilities (tools) to search for specific records in a given set of data.

PHP:a very good backend language for making dynamic websites

SETTING UP PROJECT

Make sure that all the system requirements are available.

In “xampp” folder open “htdocs” and paste the project folder having the source code there.

Open “local host/phpmyadmin” server in your pc .
Create a database named “scms”.
If you have any other database then change the details in file “config.php”
Import the mysql database file “scm_new.sql” in the database “scms”
Now start the proje ct on host server as local host.

Credentials for admin : **username:: admin**
Password :: admin123

MODULES

This application is divided into following modules:

- **Admin**
- **manufacturer**
- **retailer**

Module Description

Admin

Admin maintains manufacturer and retailer details.admin can-

- Manage Products
- Manage Retailers
- Manage Manufacturer
- Manage Distributors
- Manage Unit of Measure
- Manage Categories
- Manage Areas
- Change Password
- Manage Orders
- Create Invoice
- Print Invoice
- Manage Profile

Admin Username: **admin**
Admin Password: **admin123**

Manufacturer

Manufacturer is the head of our easy foods factory he can

- Manage Products
- View Retailers
- View Distributors
- Manage Unit of Measure
- Manage Categories
- Manage Orders
- Create Invoice
- Print Invoice
- Manage Profile
-

Retailer

Retailer can-

- View Products
- Manage Orders
- View Invoice
- Print Invoice
- Manage Profile

USE CASES

Use cases used for our project

Register - admin can create account for manufacturers and retailers. Only the admin is allowed to register the employees.

Login - Admin,manufacturer and retailer can login into the system.

Logout - Admin,manufacturer and retailer can logout from the system.

ADMIN

Add retailer- admin can add retailer and or update his details

Add manufacturer- admin can add manufacturer and or update his details

Manage unit - manage unit for transaction

Change Password- admin can change his password

Manage Orders -admin can edit orders

Print Invoice- print final invoice for the products

MANUFACTURER

Manage Products

View Reetailers

View Distributors

Manage Unit of Measure

Manage Orders

Print Invoice

RETAILER

View Products

Manage Orders

View Invoice

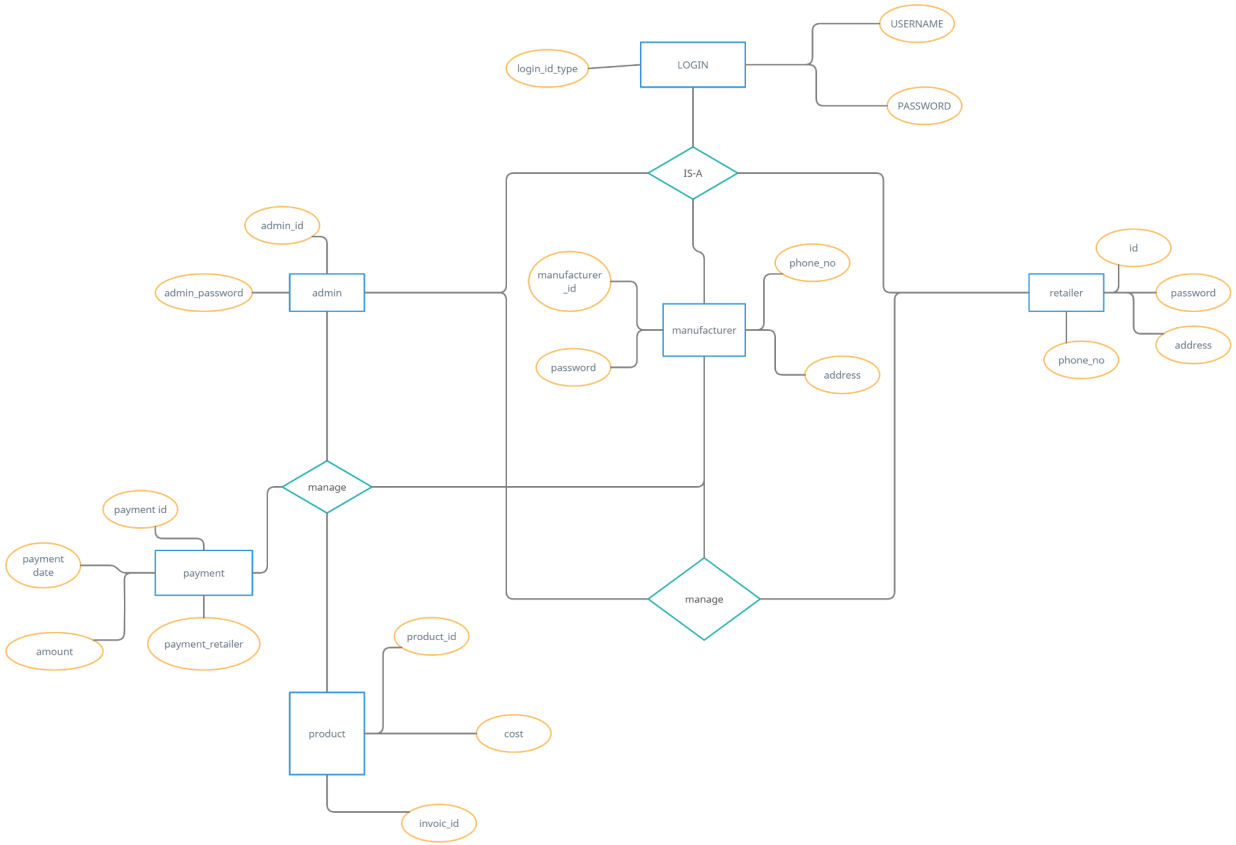
Print Invoice

NORMALIZATION TECHNIQUES USED

1. In the database we store the details of the manufacturer(manufacturer table) as well as the retailer (retailer table) and all the products(product table).
2. Every field has only one value in each row.
3. Each username as well as email that is entered at the time of sign of manufacturer and developer is unique .
4. As the Email, username and phoneNumber are the non prime attributes, they

shouldn’t determine each other for the table to be in its 3rd normal form.
5. So, to achieve this objective we’ve created a function through which only unique usernames are allowed. This way our table will be in 3rd normal form
. 6. Also, there shouldn’t be partial dependency in the email and phone number.
7. To make sure that there are no partial dependencies we’ve created a function in which if there’s an existing email then it won’t have the same phone number with it.

ER-DIAGRAM



ADVANTAGES

The product designed is the web-based system, mainly for production sector, which gives information related to the clients and dealers of the company with respect to its product launches. This product develops a system that can be used by the company management to keep track of the sales, dealers and its clients. It spans all movement and storage of raw materials, work-in-process inventory, and finished goods from point-of-origin to point-of-consumption.

CONCLUSION

- Ø This project has more scope in future and it can be integrated further
- Ø This project is successfully implemented with all the features mentioned earlier.
- Ø This project is designed keeping in view the needs of the common user and satisfying the user upto the maximum extent possible.
- Ø Deployment of our application will help the user to reduce the unnecessary wastage of time in going and ordering the product manually.
- Ø Therefore we are successfully able to reach the goals and target of the project.