**Project Proposal**

For

Clothing Shop Management System

Submitted by

Shehryar Afgan (SP19-BCS-033)

Hasan Ali Raza (SP20-BCS-035)

Department of Computer Science, CU, Islamabad.

5-11-2021

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**Project Category:**

* **A-**Desktop Application/Information System

# Abstract

The Clothing Store Management System can help a clothing business or apparel businesses to manage their stocks and sales management. User can login as admin to add new products. Admin can add new products or update existing ones. The system stores the list of products, suppliers. The clothing business can monitor their available stocks in each item or products that they are selling using the clothing store management system and also this system has a feature to manage their transaction with their customer and generate a bill for it.

# Introduction

Instead of going to the store to buy your desired product, this system automates it for your ease and convenience. Now the user can view and purchase their desired product from their home with this user friendly desktop application. Clothing business will also be entertained with an easy interface with which they can manage their products, keep their stock under check and update their products to be made available to the users. This Clothing Store Management System can help a clothing business or apparel businesses to manage their stocks and sales management.

# Proposed System

All the purchase of the customer’s favorite clothing store will be automated making it extremely easy for them to purchase and make transactions of their purchase. Clothing Store Management System will help a clothing business or apparel businesses to manage their stocks and sales management. The clothing business can monitor their available stocks in each item or products that they are selling using the clothing store management system.

# Advantages/Benefits of Proposed System

* Ease in transaction.
* Immediate access of prices, availability, and stock of goods is possible.
* Reduce Inventory Errors.
* Reduce Carrying Costs.
* Improved Planning.

# Scope

In this proposed system, user can login as Admin. Admin have the option to add/delete new products or update existing ones. The system stores the list of products, suppliers. The clothing business can monitor their available stocks in each item or products that they are selling using the clothing store management system and generate/view bill for the customer at the end of his purchase.

# Modules

## Module 1: Login

User can login as Admin or Customer. Upon successful login according to their role they can perform specific tasks such as adding new products as admin or purchasing products as customer.

## Module 2: Products Management

Admin have the option to add/delete new products or update existing ones where as customer has the option to view the products and purchase them as per his/her needs.

## Module 3: Billing/ Transactions

The system will generate bill for the customer at the end of his purchase allowing him to also view it.

## Module 4: Employee management

The system will manage different employee’s information.

## Module 5: Supplier Management

The system stores the list of suppliers and allows the user to manage them.

# DDLScript

CREATE SEQUENCE login\_login\_id\_seq START WITH 1 NOCACHE ORDER;

CREATE TABLE bill (

total INTEGER,

bill\_id INTEGER NOT NULL,

method VARCHAR2(256 CHAR),

cashier\_id INTEGER NOT NULL,

customer\_customerid INTEGER NOT NULL

)

LOGGING;

ALTER TABLE bill ADD CONSTRAINT bill\_pk PRIMARY KEY ( bill\_id );

CREATE TABLE buys (

customer\_customerid INTEGER NOT NULL,

products\_product\_id INTEGER NOT NULL

)

LOGGING;

ALTER TABLE buys ADD CONSTRAINT buys\_pk PRIMARY KEY ( customer\_customerid,

products\_product\_id );

CREATE TABLE cashier (

id INTEGER NOT NULL,

cname VARCHAR2(256 CHAR),

caddress VARCHAR2(256 CHAR),

ccontact\_no INTEGER

)

LOGGING;

ALTER TABLE cashier ADD CONSTRAINT cashier\_pk PRIMARY KEY ( id );

CREATE TABLE customer (

customerid INTEGER NOT NULL,

cu\_name VARCHAR2(256 CHAR),

cu\_email VARCHAR2(256 CHAR),

cu\_contact INTEGER

)

LOGGING;

ALTER TABLE customer ADD CONSTRAINT customer\_pk PRIMARY KEY ( customerid );

CREATE TABLE deals (

employee\_id INTEGER NOT NULL,

customer\_customerid INTEGER NOT NULL

)

LOGGING;

ALTER TABLE deals ADD CONSTRAINT deals\_pk PRIMARY KEY ( employee\_id,

customer\_customerid );

CREATE TABLE employee (

id INTEGER NOT NULL,

shift VARCHAR2(256 CHAR),

contact\_no INTEGER,

login\_login\_id NUMBER NOT NULL

)

LOGGING;

CREATE UNIQUE INDEX employee\_\_idx ON

employee (

login\_login\_id

ASC );

ALTER TABLE employee ADD CONSTRAINT employee\_pk PRIMARY KEY ( id );

CREATE TABLE login (

email VARCHAR2(256 CHAR),

password VARCHAR2(256 CHAR),

login\_id NUMBER NOT NULL

)

LOGGING;

ALTER TABLE login ADD CONSTRAINT login\_pk PRIMARY KEY ( login\_id );

CREATE TABLE manager (

id INTEGER NOT NULL,

mname VARCHAR2(256 CHAR),

maddress VARCHAR2(256 CHAR),

mcontact\_no INTEGER

)

LOGGING;

ALTER TABLE manager ADD CONSTRAINT manager\_pk PRIMARY KEY ( id );

CREATE TABLE manages (

manager\_id INTEGER NOT NULL,

salesman\_id INTEGER NOT NULL

)

LOGGING;

ALTER TABLE manages ADD CONSTRAINT manages\_pk PRIMARY KEY ( manager\_id,

salesman\_id );

CREATE TABLE managesv1 (

manager\_id INTEGER NOT NULL,

cashier\_id INTEGER NOT NULL

)

LOGGING;

ALTER TABLE managesv1 ADD CONSTRAINT managesv1\_pk PRIMARY KEY ( manager\_id,

cashier\_id );

CREATE TABLE pants (

product\_id INTEGER NOT NULL,

pant\_color VARCHAR2(256 CHAR),

pant\_size INTEGER,

pant\_type VARCHAR2(256 CHAR)

)

LOGGING;

ALTER TABLE pants ADD CONSTRAINT pants\_pk PRIMARY KEY ( product\_id );

CREATE TABLE products (

product\_id INTEGER NOT NULL,

product\_name VARCHAR2(256 CHAR),

status VARCHAR2(256 CHAR)

)

LOGGING;

ALTER TABLE products ADD CONSTRAINT products\_pk PRIMARY KEY ( product\_id );

CREATE TABLE salesman (

id INTEGER NOT NULL,

s\_name VARCHAR2(256 CHAR),

s\_address VARCHAR2(256 CHAR),

scontact\_no INTEGER

)

LOGGING;

ALTER TABLE salesman ADD CONSTRAINT salesman\_pk PRIMARY KEY ( id );

CREATE TABLE shirts (

product\_id INTEGER NOT NULL,

shirt\_color VARCHAR2(256 CHAR),

shirt\_size INTEGER,

shirt\_type VARCHAR2(256 CHAR)

)

LOGGING;

ALTER TABLE shirts ADD CONSTRAINT shirts\_pk PRIMARY KEY ( product\_id );

CREATE TABLE shoes (

product\_id INTEGER NOT NULL,

shoes\_color VARCHAR2(256 CHAR),

shoes\_size INTEGER,

shoes\_type VARCHAR2(256 CHAR)

)

LOGGING;

ALTER TABLE shoes ADD CONSTRAINT shoes\_pk PRIMARY KEY ( product\_id );

CREATE TABLE supplier (

supplierid INTEGER NOT NULL,

suppliername VARCHAR2(256 CHAR),

description VARCHAR2(256 CHAR)

)

LOGGING;

ALTER TABLE supplier ADD CONSTRAINT supplier\_pk PRIMARY KEY ( supplierid );

CREATE TABLE supplies (

supplier\_supplierid INTEGER NOT NULL,

products\_product\_id INTEGER NOT NULL

)

LOGGING;

ALTER TABLE supplies ADD CONSTRAINT supplies\_pk PRIMARY KEY ( supplier\_supplierid,

products\_product\_id );

ALTER TABLE bill

ADD CONSTRAINT bill\_cashier\_fk FOREIGN KEY ( cashier\_id )

REFERENCES cashier ( id )

NOT DEFERRABLE;

ALTER TABLE bill

ADD CONSTRAINT bill\_customer\_fk FOREIGN KEY ( customer\_customerid )

REFERENCES customer ( customerid )

NOT DEFERRABLE;

ALTER TABLE buys

ADD CONSTRAINT buys\_customer\_fk FOREIGN KEY ( customer\_customerid )

REFERENCES customer ( customerid )

NOT DEFERRABLE;

ALTER TABLE buys

ADD CONSTRAINT buys\_products\_fk FOREIGN KEY ( products\_product\_id )

REFERENCES products ( product\_id )

NOT DEFERRABLE;

ALTER TABLE cashier

ADD CONSTRAINT cashier\_employee\_fk FOREIGN KEY ( id )

REFERENCES employee ( id )

NOT DEFERRABLE;

ALTER TABLE deals

ADD CONSTRAINT deals\_customer\_fk FOREIGN KEY ( customer\_customerid )

REFERENCES customer ( customerid )

NOT DEFERRABLE;

ALTER TABLE deals

ADD CONSTRAINT deals\_employee\_fk FOREIGN KEY ( employee\_id )

REFERENCES employee ( id )

NOT DEFERRABLE;

ALTER TABLE employee

ADD CONSTRAINT employee\_login\_fk FOREIGN KEY ( login\_login\_id )

REFERENCES login ( login\_id )

NOT DEFERRABLE;

ALTER TABLE manager

ADD CONSTRAINT manager\_employee\_fk FOREIGN KEY ( id )

REFERENCES employee ( id )

NOT DEFERRABLE;

ALTER TABLE manages

ADD CONSTRAINT manages\_manager\_fk FOREIGN KEY ( manager\_id )

REFERENCES manager ( id )

NOT DEFERRABLE;

ALTER TABLE manages

ADD CONSTRAINT manages\_salesman\_fk FOREIGN KEY ( salesman\_id )

REFERENCES salesman ( id )

NOT DEFERRABLE;

ALTER TABLE managesv1

ADD CONSTRAINT managesv1\_cashier\_fk FOREIGN KEY ( cashier\_id )

REFERENCES cashier ( id )

NOT DEFERRABLE;

ALTER TABLE managesv1

ADD CONSTRAINT managesv1\_manager\_fk FOREIGN KEY ( manager\_id )

REFERENCES manager ( id )

NOT DEFERRABLE;

ALTER TABLE pants

ADD CONSTRAINT pants\_products\_fk FOREIGN KEY ( product\_id )

REFERENCES products ( product\_id )

NOT DEFERRABLE;

ALTER TABLE salesman

ADD CONSTRAINT salesman\_employee\_fk FOREIGN KEY ( id )

REFERENCES employee ( id )

NOT DEFERRABLE;

ALTER TABLE shirts

ADD CONSTRAINT shirts\_products\_fk FOREIGN KEY ( product\_id )

REFERENCES products ( product\_id )

NOT DEFERRABLE;

ALTER TABLE shoes

ADD CONSTRAINT shoes\_products\_fk FOREIGN KEY ( product\_id )

REFERENCES products ( product\_id )

NOT DEFERRABLE;

ALTER TABLE supplies

ADD CONSTRAINT supplies\_products\_fk FOREIGN KEY ( products\_product\_id )

REFERENCES products ( product\_id )

NOT DEFERRABLE;

ALTER TABLE supplies

ADD CONSTRAINT supplies\_supplier\_fk FOREIGN KEY ( supplier\_supplierid )

REFERENCES supplier ( supplierid )

NOT DEFERRABLE;

CREATE OR REPLACE TRIGGER login\_login\_id\_trg BEFORE

INSERT ON login

FOR EACH ROW

WHEN ( new.login\_id IS NULL )

BEGIN

:new.login\_id := login\_login\_id\_seq.nextval;

END;

/

# System Limitations/Constraints

* System available only for desktop users.
* Need a qualified person to manage the system.

# Tools and Technologies

Table 1 Tools and Technologies for Proposed Project

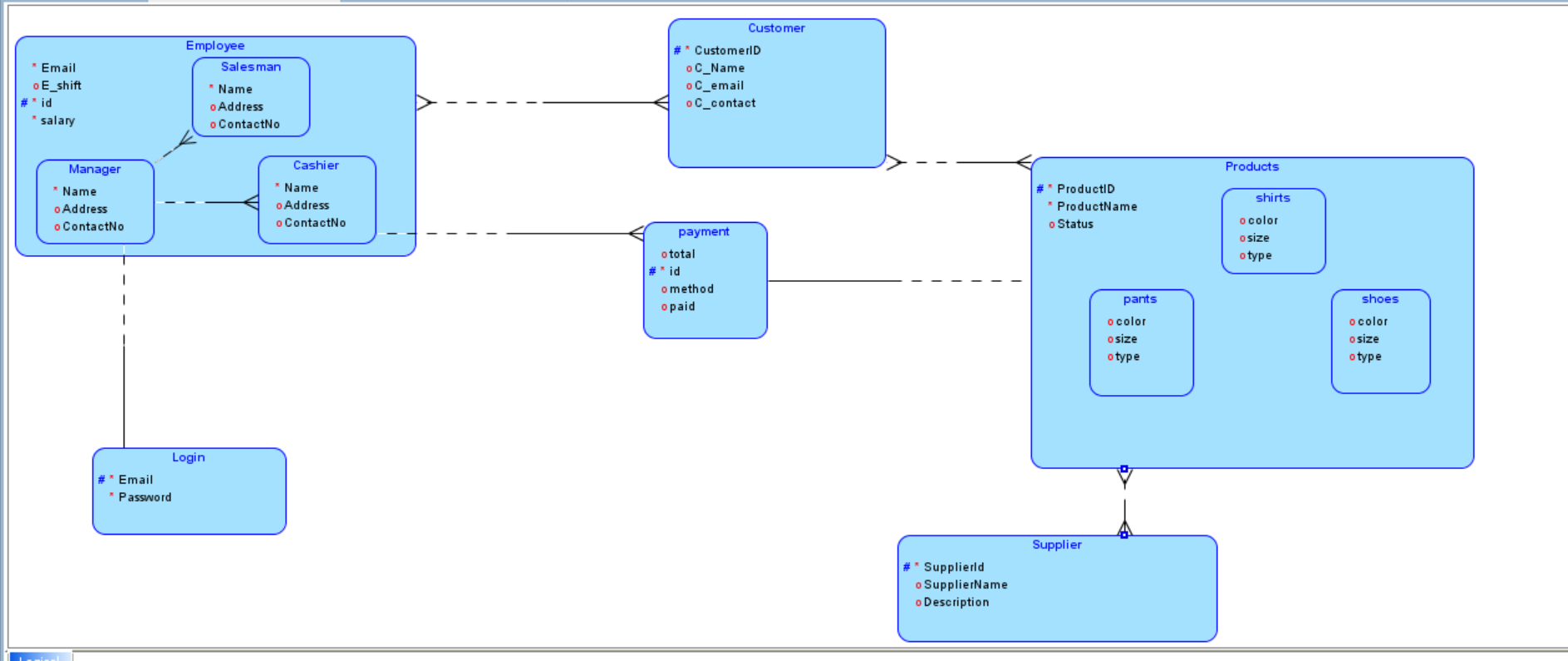
|  |  |  |  |
| --- | --- | --- | --- |
| **Tools**  **And**  **Technologies** | **Tools** | **Version** | **Rationale** |
| Oracle Data Modeler | 2021 | ERD / Scheme Design |
| Oracle SQL Developer | 2021 | DBMS |
| Eclipse | 2020 | Java coding |
| MS Word | 2007 | Documentation |
| **Technology** | **Version** | **Rationale** |
| Java | 6.0 | Programming language |
| SQL | 2021 | Query Language |

# Conclusion

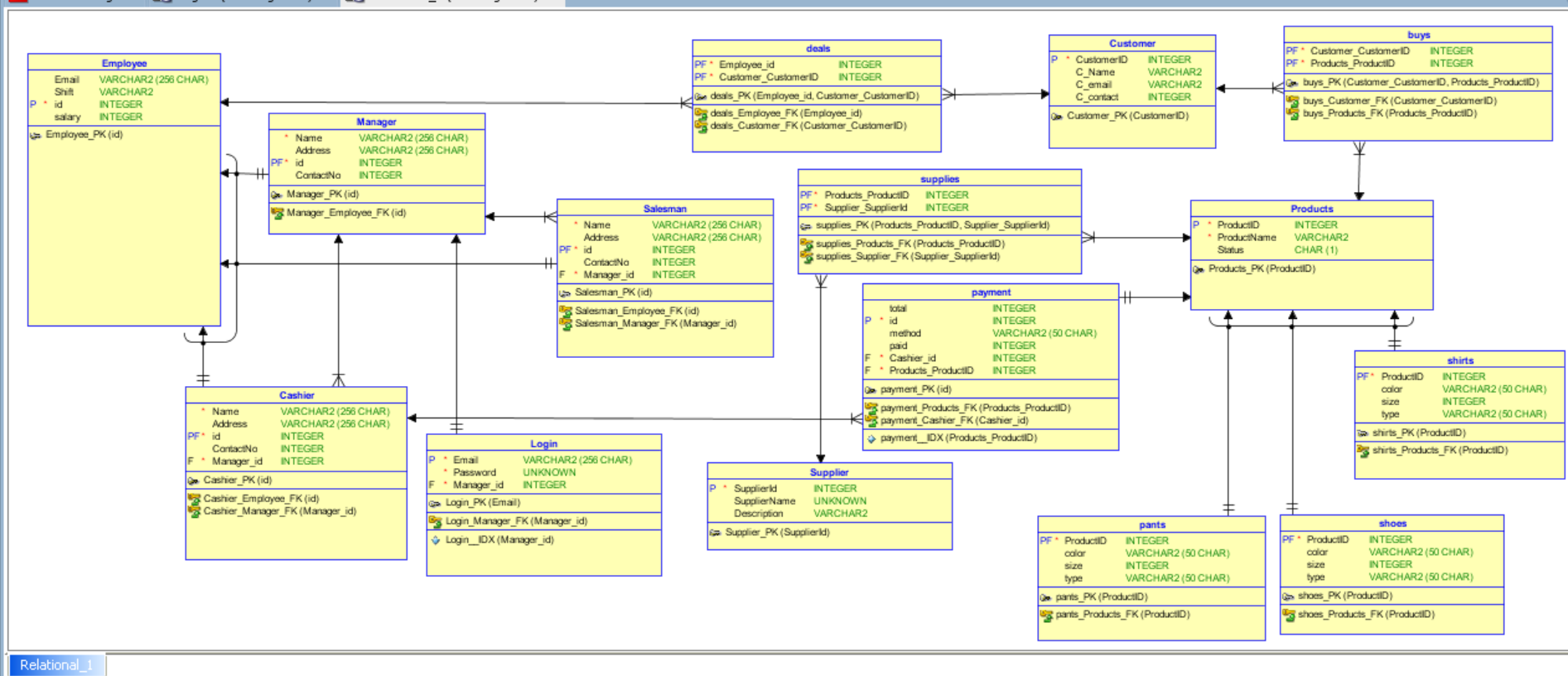
All the purchase of the customer’s favorite clothing store will be automated making it extremely easy for them to manage their daily routine tasks. Clothing Store Management System will help a clothing business or apparel businesses to manage their stocks and sales management, employees, billing, purchases and suppliers.

# Entity Relationship Diagram (ERD)

* **Logical Model:**

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* **Relational Model:**



# References

* <https://www.slideshare.net/Ashwini0951/project-report1-189278226>
* <https://www.sourcecodester.com/php/14576/clothing-store-management-system-using-phpmysqli-source-code.html>