STORE MANAGEMENT SYSTEM

A PROJECT REPORT

SUBMITTED IN COMPLETE FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

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INFORMATION TECHNOLOGY

DELHI TECHNOLOGICAL UNIVERSITY
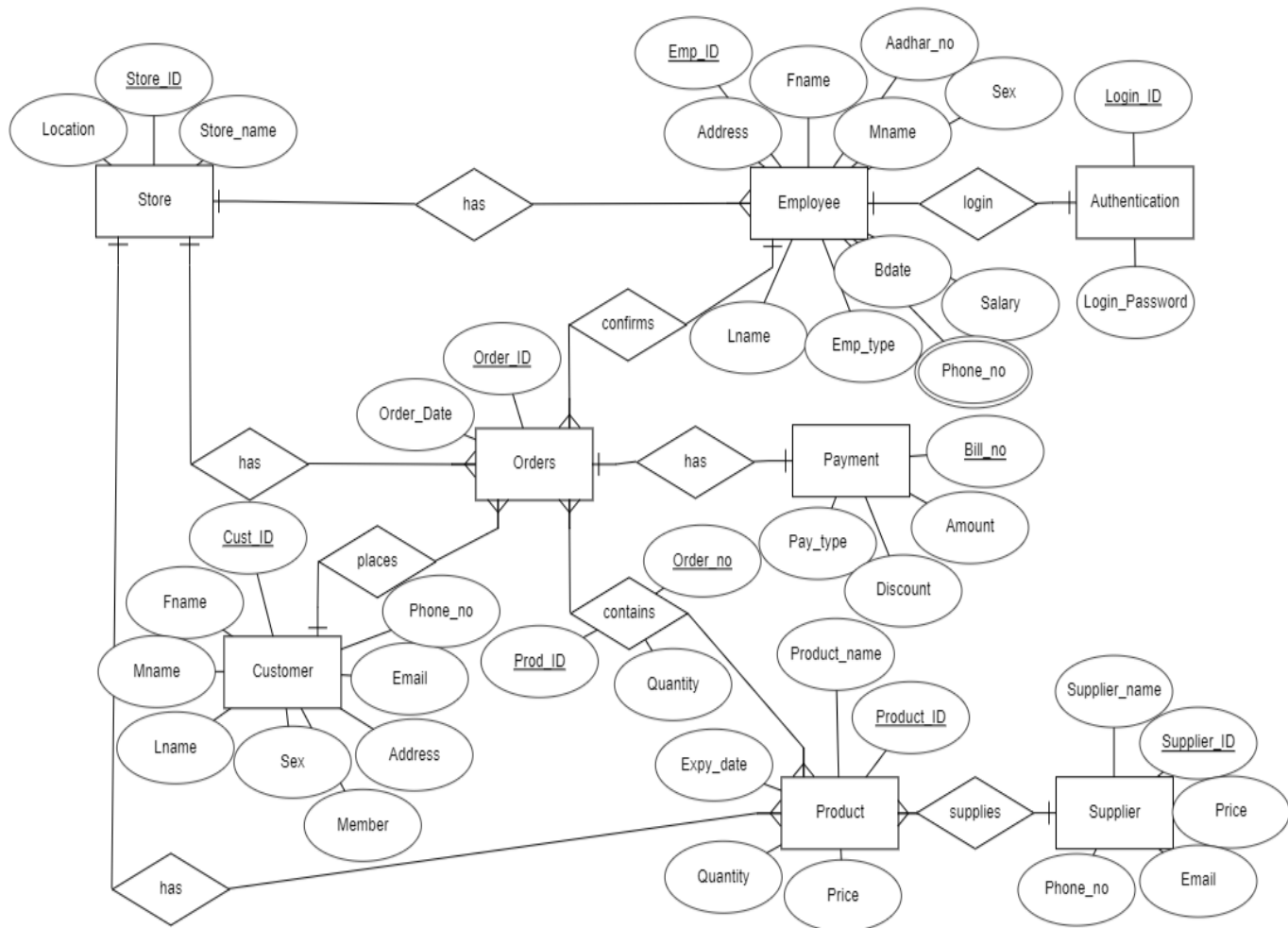
(FORMERLY Delhi College of Engineering)

Bawana Road, Delhi-110042

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PROBLEM STATEMENT:

The problem faced by the store is they do not have any systematic system to record and keep their data. It is difficult for the admin to record the data quickly and safely because they only keep it in the logbook which is not properly organized. They need a database management system for their store which can store employee details along with their login details to website, product details, order details, customer details of members, payment details and supplier details. Moreover, the customers are given a 5% discount on all products.

ER DIAGRAM:

SCHEMA:

create database StoreManagement;

create table Store(Store_ID char(4) NOT NULL,

Store_name varchar(30) NOT NULL,

Location varchar(30) NOT NULL,

primary key(Store_ID));

create table Employee(Emp_ID char(2) NOT NULL,

Fname varchar(15) NOT NULL,

Mname varchar(15),

Lname varchar(15) NOT NULL,

Bdate date,

Sex char,

Salary int,

Address varchar(50),

Aadhar_no char(12) NOT NULL,

Emp_type varchar(15),

Store_no char(4),

primary key(Emp_ID),

foreign key(Store_no) references Store(Store_ID)

ON DELETE SET NULL ON UPDATE CASCADE);

create table Employee_Phone(Employee_ID char(2) NOT NULL,

Phone_no char(10) NOT NULL,

primary key(Employee_ID,Phone_no),

foreign key(Employee_ID) references Employee(Emp_ID)

ON UPDATE CASCADE);

create table Product(Product_name varchar(40) NOT NULL,

Product_ID char(5) NOT NULL,

Price int,

Quantity int,

Mnfg_date date,

Store_num char(4),

primary key(Product_ID),

foreign key(Store_num) references Store(Store_ID)

ON DELETE SET NULL ON UPDATE CASCADE);

create table Customer(Cust_ID char(5) NOT NULL,

Member char,

primary key(Cust_ID));

create table Cust_Member(Customer_ID char(5) NOT NULL,

Fname varchar(15) NOT NULL,

Mname varchar(15),

Lname varchar(15) NOT NULL,

Sex char,

Address varchar(50),

Email varchar(30),

Phone_no char(10) NOT NULL,

primary key(Customer_ID),

foreign key(Customer_ID) references Customer(Cust_ID)

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ON UPDATE CASCADE);

create table Orders(Order_ID char(5) NOT NULL,

Customer_no char(5),

Emp_no char(2),

Order_Date date,

-- Order_time time,

primary key(Order_ID),

foreign key(Customer_no) references Customer(Cust_ID)

ON DELETE SET NULL ON UPDATE CASCADE,

foreign key(Emp_no) references Employee(Emp_ID)

ON DELETE SET NULL ON UPDATE CASCADE);


create table Order_Details(Order_no char(5) NOT NULL,

Prod_ID char(5) NOT NULL,

#Price int NOT NULL,

Quantity int NOT NULL,

primary key(Order_no,Prod_ID),

foreign key(Order_no) references Orders(Order_ID)

ON UPDATE CASCADE,

foreign key(Prod_ID) references Product(Product_ID)

ON UPDATE CASCADE);

create table Payment_Type(Payment_type varchar(10) NOT NULL,

Payment_option char NOT NULL,

primary key(Payment_option));


create table Payment(Bill_no char(5) NOT NULL,
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Order_num char(5),

Pay_option char NOT NULL,

Discount int,

Amount int,

primary key(Bill_no),

foreign key(Order_num) references Orders(Order_ID)

ON DELETE SET NULL ON UPDATE CASCADE,

foreign key(Pay_option) references Payment_Type(Payment_option)

ON UPDATE CASCADE);

create table Supplier(Supplier_name varchar(30) NOT NULL,

Supplier_ID char(4) NOT NULL,

P_ID char(5) NOT NULL,

Price int NOT NULL,

Email varchar(30),

Phone_no char(10),

primary key(Supplier_ID,P_ID),

foreign key(P_ID) references Product(Product_ID)

ON UPDATE CASCADE);

create table Authentication(Login_ID char(2) NOT NULL,

Login_Password varchar(20) NOT NULL,

primary key(Login_ID),

foreign key(Login_ID) references Employee(Emp_ID)

ON UPDATE CASCADE);

TABLES:

1) STORE

	Store_ID	Store_name	Location
▶	1000	Bhagwati & Sons	Bahadur Garh Road, Sadar Bazar
*	NULL	NULL	NULL

2) EMPLOYEE

	Emp_ID	Fname	Mname	Lname	Bdate	Sex	Salary	Address	Aadhar_no	Emp_type	Store_no
▶	01	Alestin	M	Zuckerberg	2000-04-03	M	25000	4095, Street No.5, Greater Kailash DELHI	622233334567	Store Manager	1000
	02	Shweta		Ranade	1999-03-05	F	28000	9, Friends colony, Kanhaiya Nagar DELHI	624377890000	Resource Mgr	1000
	03	Abhilash		Tripathi	2001-09-29	M	12800	A-54, Gali No.4, JagatPuri Block-A DELHI	729844435567	Bill handler	1000
	04	Pankaj		Jalote	2002-07-06	M	12800	9095, Gali Nai wali, Sadar Bazar DELHI	524399991000	Class four	1000
	05	Anoop		Thakur	1989-09-07	M	12300	A-96, Street Jatan, Pahari Dhiraj DELHI	524988807765	Security	1000
	06	Pankaj	M	Tripathi	1999-09-23	M	11300	4449, Street Lutiyan, Pahar Ganj DELHI	723434561234	Security	1000
	07	Shikha		Mathur	1999-10-02	F	12800	9A First Floor, Pragya Bhawan, Kalu Sarai DELHI	333466678890	Bill handler	1000
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3) EMPLOYEE_PHONE

	Employee_ID	Phone_no
▶	01	8864939393
	01	9999010145
	02	7825363693
	02	9019001987
	03	777998342
	04	7782939397
	05	8202928272
	05	9763434392
	06	9990112345
	07	9990398982
	07	9998883330
*	NULL	NULL

4) PRODUCT

	Product_name	Product_ID	Price	Quantity	Mnfg_date	Store_num
▶	Amul Masti Dahi lite	11000	25	11	2022-03-30	1000
	Amul Masti Dahi Fullcream	11001	35	15	2022-03-30	1000
	Amul Chachh namkeen	11002	12	15	2022-04-02	1000
	Amul Cow Milk	11032	26	16	2022-03-15	1000
	Amul Fullcream	11035	30	35	2022-04-20	1000
	Amul Butter	11051	45	12	2022-04-06	1000
	Mother Dairy Fruit Cream	22180	68	12	2022-10-02	1000
	Mother Dairy Double Toned	22209	24	2	2022-04-02	1000
	Mother Dairy Toned Milk	22286	27	32	2022-04-01	1000
	Mother Dairy Mango Ice-cream	22287	25	12	2022-09-24	1000
	Mother Dairy Cow Milk	22290	27	1	2022-04-01	1000
	Mother Dairy Dahi lite	22345	10	5	2022-04-29	1000
	Mother Dairy Frooti Masti Ice-...	22998	25	2	2022-09-24	1000
*	NULL	NULL	NULL	NULL	NULL	NULL

5) CUSTOMER

Cust_ID	Member
11001	M
11002	M
11003	M
11005	M
11033	M
11039	M
11195	M
12005	
12009	
12015	
12017	
12018	
12019	
NULL	NULL

6) CUST_MEMBER

Customer_ID	Fname	Mname	Lname	Sex	Address	Email	Phone_no
11001	Abhinav		Tripathi	M	4095, Vashi Plaza Sector 17 Vashi, Delhi		9823110193
11002	Abhilash	G	Ranade	M	A6 Girikunj Industrial Est, Andheri, Delhi	abhilashrde@gmail.com	7982344592
11003	Pankaj	S	Chauhan	M	4348,Gali No.4,Katra Lekhram Bahadurgarh Rd,…		7983454562
11005	Shiv	S	Raj	M	84, Janjikar Street, Mandvi, Delhi	sHivrAj15@gmail.com	7243543212
11033	Ramdhari	S	Dinkar	M	A4 Amargian Thane H.o.,Delhi-110045		9209454592
11039	Shakti	S	Raghav	M	52A,Noble Chambers IInd Flr,Janmabhoomi Mar…	shaktiraghav34@gmail.com	7865434392
11195	Shakti		Pratap	M	17, Mandir Apartments, Rajender Nagar, Delhi		9432432156
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

7) ORDERS

Order_ID	Customer_no	Emp_no	Order_Date
33301	12005	03	2022-03-22
33303	12009	03	2022-03-22
33304	12015	03	2022-03-22
33305	11001	03	2022-03-23
33307	11195	03	2022-03-28
33308	11005	07	2022-03-25
33309	12017	07	2022-03-24
33311	12018	07	2022-03-25
NULL	NULL	NULL	NULL

8) PAYMENT

Bill_no	Order_num	Pay_option	Discount	Amount
66601	33301	1	0	140
66602	33303	1	0	70
66603	33304	1	0	95
66604	33305	2	5	51
66605	33307	2	5	77
66606	33308	2	5	86
66607	33309	3	0	59
66608	33311	3	0	95
NULL	NULL	NULL	NULL	NULL

9) ORDER_DETAILS

Order_no	Prod_ID	Quantity
33301	11000	1
33301	11035	3
33301	22998	1
33303	11035	2
33303	22345	1
33304	22180	1
33304	22290	1
33305	22286	2
33307	22286	3
33308	11035	3
33309	11001	1
33309	11002	2
33311	11051	1
33311	22287	2
NULL	NULL	NULL

10) PAYMENT_TYPE

Payment_type	Payment_option
Cash	1
NetBanking	2
Card	3
NULL	NULL

11) SUPPLIER

Supplier_name	Supplier_ID	P_ID	Price	Email	Phone_no
Jitender Kumar	7009	11000	22	jitenderkumar_22@gmail.com	9990888900
Jitender Kumar	7009	11001	28	jitenderkumar_22@gmail.com	9990888900
Jitender Kumar	7009	11002	10	jitenderkumar_22@gmail.com	9990888900
Prince Kumar	7071	22180	62	princek09@gmail.com	9990111900
Prince Kumar	7071	22286	25	princek09@gmail.com	9990111900
Sattu Pandey	7072	11032	22		9200393949
Sattu Pandey	7072	11035	25		9200393949
NULL	NULL	NULL	NULL	NULL	NULL

12) AUTHENTICATION

Login_ID	Login_Password
01	password
02	wakandaforever
03	abhilash2891
04	winteriscoming
05	anooooooooop
06	pankaj678
07	thechosenone
NULL	NULL