American International University Bangladesh

Project: "Beauty Parlor Management System "

Section: 'C'

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1 Introduction

Beauty parlor is a service-oriented establishment in which women receive treatment to increase their beauty. Skincare, facial make-up, hair nourishment, and model hair cutting are the most important nourishing activities of a beauty parlor. In a parlor, there is a manager who manages all the documents with details. Using pen & paper for collecting documents isn't safe and secure.

Hence,a management system is introduced to maintain a parlor record. It's necessary to have a complete project on it so that the documents are safe and they can redo them whenever they want.

It is a database management system which is helpful in the sectors of beauty parlor.

Our main aim is to maintain records and make analyses based on reports generated.

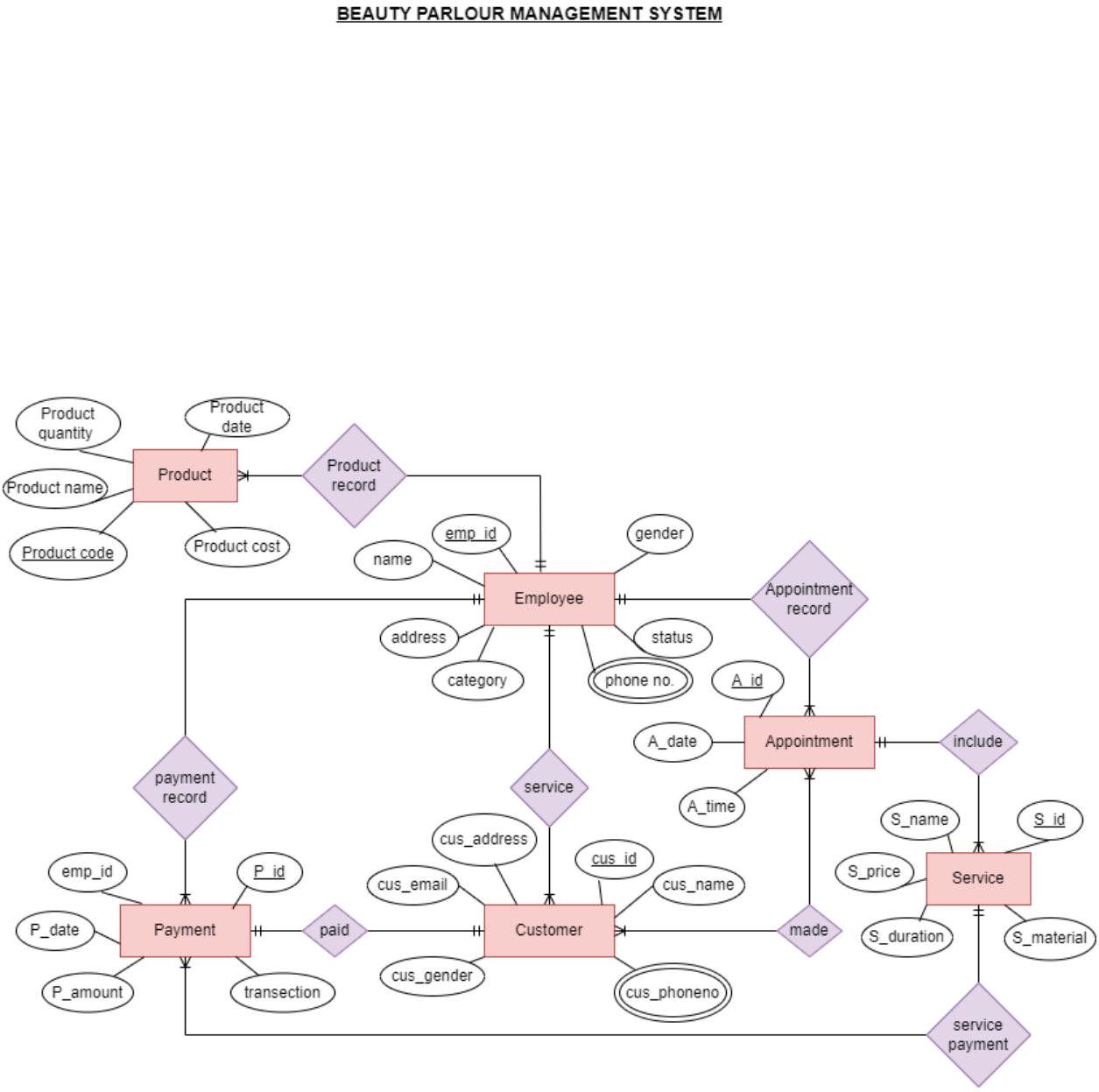
The system can store details of the appointment, employee, payment info, stock details, etc.

This system is built to reduce the complexity of the system for the users handling the system.

2 Case Study

In beauty, parlor management customers may make an appointment. A customer is defined by a customer id. A customer is identified by name, gender, address, email, phone number. A customer can make one or many appointments. An appointment is defined by an appointment id. The appointment is composed of time, date. After the appointment, it will be serving time. The appointment includes one or many services. Service is defined by service id and it is composed of a service name, price, duration, material. Payment is defined by payment id which is composed of amount and date. An employee of paler is defined by an employee id. An employee is identified by name, address, phone number, status, category, gender. One employee can record many appointments, stock in, stock used, product, payment. One employee can serve one or many customers. The Product is defined by a product code. Product is composed of a name, cost, quantity, date. One product can have many stocks.Stock in is defined by Stock in id which is composed of quantity,date.Another hand stock used is defined by stock used id which is composed of quantity,date.Payment holds service and services includes payment.

3 ER-Diagram


BEAUTY PARLOUR MANAGEMENT SYSTEM
Product quantity
Product date
Product
Product record
Product name
Product code
Product cost
emp_id
gender
name
Employee
Appointment record
address
status
category
phone no.
A_id
A_date
Appointment
include
payment record
service
A_time
S_name
S_id
cus_address
cus_id
emp_id
P_id
cus_email
cus_name
S_price
Service
P_date
Payment
paid
Customer
made
S_duration
S_material
P_amount
transection
cus_gender
cus_phoneno
service payment

4 Normalization

5 Table Create & Constraint

1. CREATE TABLE EMPLOYEE_CATEGORY
(
EMP_ID NUMBER(5),
EMP_CATEGORY VARCHAR2(50),
EMP_STATUS VARCHAR2(50),
PRIMARY KEY(EMP_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **EMPLOYEE_CATEGORY**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_CATEGORY	E_ID(NUMBER)	Number	-	5	0	1	-	-	-
	EMP_CATEGORY	Varchar2	50	-	-	-	✓	-	-
	EMP_STATUS	Varchar2	50	-	-	-	✓	-	-

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2. CREATE TABLE EMPLOYEE_INFO
(
EMP_ID NUMBER(6),
EMP_NAME VARCHAR2(30) NOT NULL,
EMP_ADDRESS VARCHAR2(20),
EMP_GENDER VARCHAR2(7),
EMP_PHONENO VARCHAR(11)UNIQUE,
E_ID NUMBER(3),
PRIMARY KEY(EMP_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **EMPLOYEE_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_INFO	EMP_ID	Number	-	6	0	1	-	-	-
	EMP_NAME	Varchar2	30	-	-	-	-	-	-
	EMP_ADDRESS	Varchar2	20	-	-	-	✓	-	-
	EMP_GENDER	Varchar2	7	-	-	-	✓	-	-
	EMP_PHONENO	Varchar2	11	-	-	-	✓	-	-
	E_ID	Number	-	3	0	-	✓	-	-

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3. CREATE TABLE CUSTOMER_INFO
(
CUSTOMER_ID NUMBER(6),
CUSTOMER_NAME VARCHAR(20)NOT NULL,
CUSTOMER_ADDRESS VARCHAR(50),
CUSTOMER_EMAIL VARCHAR(30)UNIQUE,
CUSTOMER_PHONENO VARCHAR(11)UNIQUE,
CUSTOMER_GENDER VARCHAR(6),
EMP_ID NUMBER(6),
PRIMARY KEY(CUSTOMER_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **CUSTOMER_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER_INFO	CUSTOMER_ID	Number	-	6	0	1	-	-	-
	CUSTOMER_NAME	Varchar2	20	-	-	-	-	-	-
	CUSTOMER_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	CUSTOMER_EMAIL	Varchar2	30	-	-	-	✓	-	-
	CUSTOMER_PHONENO	Varchar2	11	-	-	-	✓	-	-
	CUSTOMER_GENDER	Varchar2	6	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

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4. CREATE TABLE APPOINTMENT_INFO
(
APPOINTMENT_ID NUMBER(6),
APPOINTMENT_DATE date NOT NULL,
APPOINTMENT_TIME VARCHAR2(10) NOT NULL,
EMP_ID NUMBER(6),
PRIMARY KEY(APPOINTMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **APPOINTMENT_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
APPOINTMENT_INFO	APPOINTMENT_ID	Number	-	6	0	1	-	-	-
	APPOINTMENT_DATE	Date	7	-	-	-	-	-	-
	APPOINTMENT_TIME	Varchar2	10	-	-	-	-	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

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5. CREATE TABLE PAYMENT_INFO
(
PAYMENT_ID NUMBER(6),
PAYMENT_DATE date,
PAYMENT_AMOUNT NUMBER(5) NOT NULL,
TRANSACTION VARCHAR2(15) UNIQUE,
EMP_ID NUMBER(6),
PRIMARY KEY(PAYMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **PAYMENT_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT_INFO	PAYMENT_ID	Number	-	6	0	1	-	-	-
	PAYMENT_DATE	Date	7	-	-	-	✓	-	-
	PAYMENT_AMOUNT	Number	-	5	0	-	-	-	-
	TRANSACTION	Varchar2	15	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

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6 Data Insertion