Hair Salon Web Database Application – DBZ Salon

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Application Scenarios

In our business, the administrator can manage stylists and customers. Customers can make appointments with different stylists. And they can enjoy services such as Shampoo, Color, Relaxer, Smoothing, etc.

We will keep track of our Stylists, including their home addresses, contact information, email, the service they can provide, etc.

When a new customer signs up, make sure the data is stored.

We also need to keep track of each customer's contact information and the appointments they made. The appointments are also allowed to be canceled by customers.
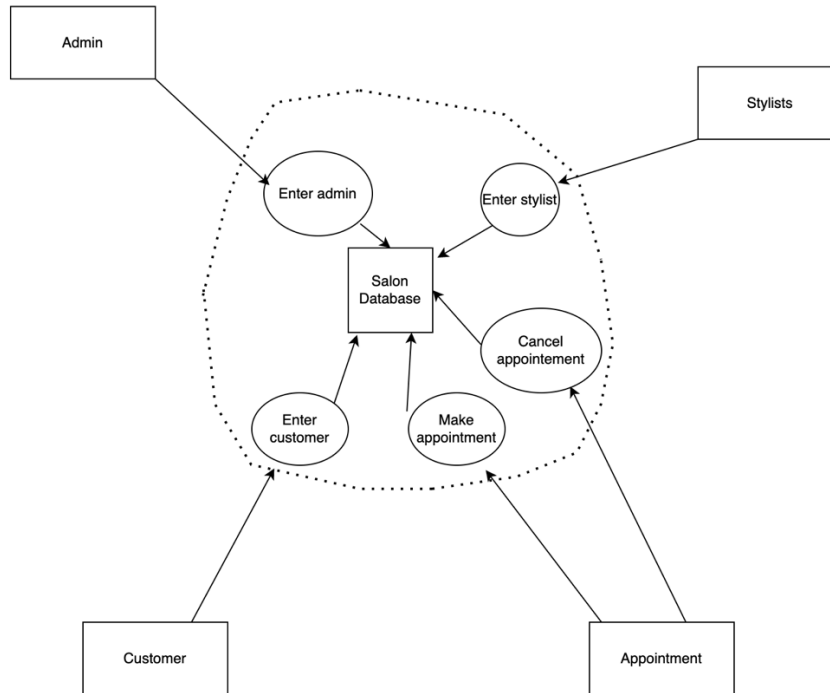
For appointments, we need to let the stylist know the date and time of the appointment with the customer ID. And the administrator can also track those data in the backend.

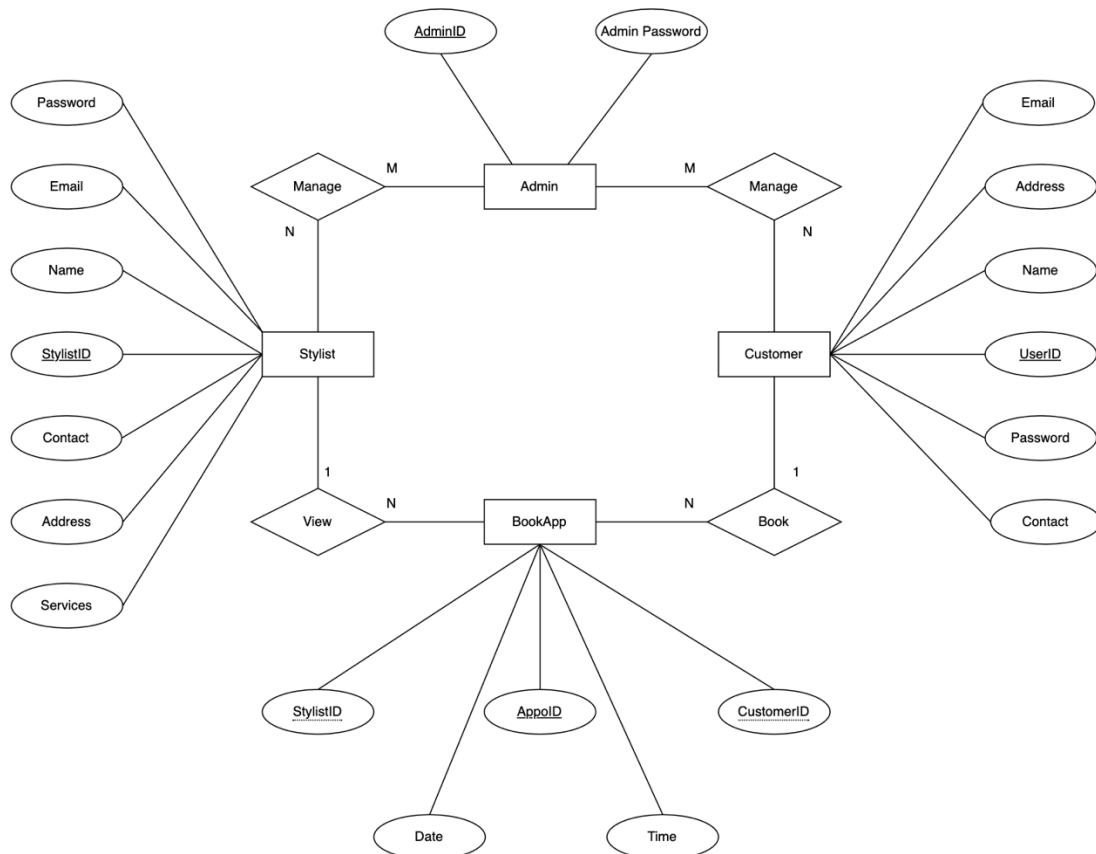When a new customer signs up, make sure the data is stored.

Task List

- Make Reservation/Cancellation
- Enter Hairstylist
- Assign Hairstylist
- Enter Schedule
- Create Instance
- Pull Client's Info
- Assign to Hair-Cuter
- Process Reservation/Check-In

Information Flow Diagram

EER Model

Task Form

T1

Task Name: Make-Reservation/Cancellation
Task Number: T1
Description: This task supports requests for and cancellations of reservations, and printing of tickets
Enabling Cond.: Receipt of Make Reservation/Cancellation request
Frequency: See subtasks
Input: EDs: Reservation/Cancellation E-Types: Flt-Schedule, Flt-Instance, Customer R-Types: Instance-Of, Reservation
Output: EDs: Reservation/Cancellation E-Types: Flt-Instance, Customer R-Types: Reservation Operation: IF Make-Reservation THEN Make-Reservation ELSE IF Cancel Reservation THEN Cancel-Reservation.
Subtasks: Make-Reservation; Cancel-Reservation.

T1.1

Task Name: Make Reservation
Task Number: T1.1
Description: This task supports requests for reservations
Enabling Cond.: Receipt of Make Reservation request
Frequency: 40 clients per day
Input: Time, style, style picture, deposit
Output: EDs: Ticket, R-Types: Reservation
Subtasks: Accept deposit

T1.2

Task Name: Cancellation
Task Number: T1.2
Description: This task supports requests for cancellations
Enabling Cond.: Receipt of Make Reservation request
Frequency: 3 clients per day
Input: Time
Output: none
Subtasks: none

Relational Model

Administrator (AdminID(pk), AdminPassword)

Stylists (StylistsID (pk), Password, Name, Email, Contact, Address, Services)

Customer (CustomerID (pk), Password, Name, Email, Contact, Address)

BookAppointment (AppointmentID (pk), CustomerID (fk), StylistsID (fk), Date, Time)