

## Project Name: BEAUTY PARLOUR MANAGEMENT SYSTEM

## Course Name: INTRODUCTION TO DATABASE

## Section: [I]

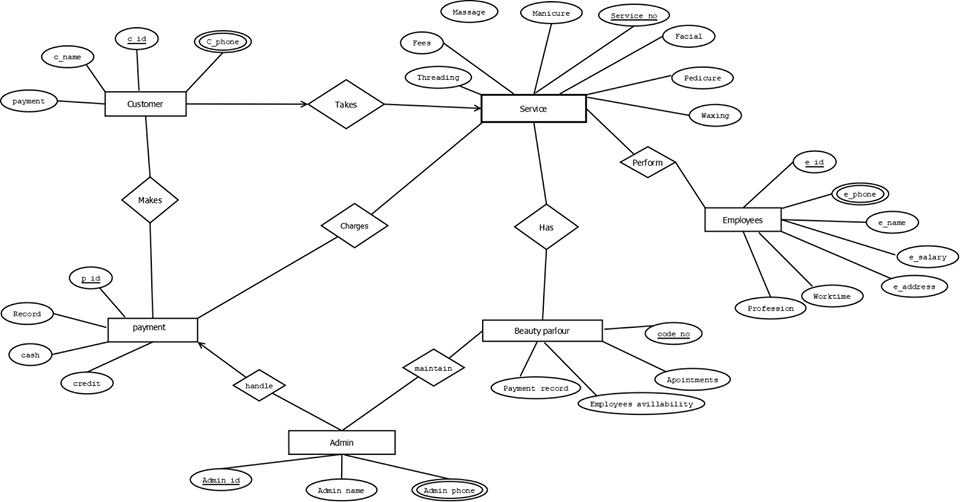
## Group members:

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***Scenario:***

In a beauty parlor management system, customers can have many treatments from the parlor. A customer is identified by a unique customer id, customer name, payments and phone number. Treatment is identified by unique service no, fees, manicure, pedicure, waxing, threading, massage. Customers can make payment in many ways. Payment is identified by a unique payment id, record, cash, Credit. Payments can be ready and paid in many ways into beauty parlors. On the other hand, many treatments can be done in the beauty parlors. Beauty parlor is identified by a unique code no, appointments, employees’ availability and payment records. Treatments can be performed by many employees. Employees can be recognized by a unique id, Phone-number, name, salary, work-time, profession, address. One property can deal with many beauty parlors and one property may have many owners. Owner who owns the property, is identified by his/her name, address, a unique id, phone number. Property has a unique id, address city and country. And that is how a beauty parlor management system run.

ER Diagram:



**Normalization:**

**Makes:**(c\_id, c\_phone,c\_name,payment,p\_id,record,cash,credit)

**1NF:** c\_phone is a multivalued attribute

**2NF:** c\_id, c\_name, c\_phone, payment

p\_id, record, cash, credit

**3NF:**c\_id, c\_name, c\_phone

P\_id, payment

P\_id, record

C\_id, cash, credit

Table list for makes-

1.c\_id, c\_name, *p\_id*

2.c\_id, c\_phone

3.p\_id, payment

4.p\_id, record, *c\_id*

5.c\_id, cash, credit

**Takes:** (c-id, c\_phone, c\_name, payment, service\_no, facial manicure, massage, fees, threading, pedicure, waxing)

**1NF:** c\_phone is a multivalued attributed

**2NF:** c\_id, c\_phone, c\_name, payment

Service\_no, facial manicure, massage, fees, threading, pedicure, waxing

**3NF:** c\_id, c\_name, c\_phone

P\_id, payment

Service\_no, manicure, facial, pedicure, waxing, massage, threading

F\_id, fees

**Table list for takes:**

1.c\_id, c\_name, *service \_no, f\_id*

2.c\_id, c\_phone,

3.service\_no, manicure, facial, pedicure, waxing, massage, threading, *F\_id*

4.f\_id, fees

Charges: (p\_id, record, cash, credit, service\_no, facial manicure, massage, fees, threading, pedicure, waxing)

**1NF:** There is no multivalued attribute

**2NF:** p\_id, record, cash, credit

service\_no, facial manicure, massage, fees, threading, pedicure, waxing

**3NF:** p\_id, record

C\_id, cash, credit

service\_no, facial manicure, massage, threading, pedicure, waxing

F\_id, fees

**Table list for changes:**

1.p\_id, record, *service\_no, c\_id, f\_id*

2. C\_id, cash, credit

3. service\_no, facial manicure, massage, threading, pedicure, waxing, *F\_id*

4. F\_id, fees

**Handle:** (p\_id, record, cash, credit, admin\_id, admin\_name, admin\_phone)

**1NF:** admin\_phone is a multivalued attribute

**2NF:** p\_id,record, cash, credit

admin\_id, admin\_name, admin\_phone

**3NF:** p\_id, record

C\_id, cash, credit

admin\_id, admin\_name

admin\_id, admin\_phone

**Table list for handle:**

1. p\_id, record*, C\_id, admin\_id*

2. C\_id, cash, credit

3. admin\_id, admin\_name

4. admin\_id, admin\_phone

**Maintain:** (admin\_id, admin\_name, admin\_phone, code\_no, payment\_record, employees\_availability, appointments)

**1NF:** admin\_phone is a multivalued attribute

**2NF:** admin\_id, admin\_name, admin\_phone

code\_no, payment\_record, employees\_availability, appointments

**3NF:** admin\_id, admin\_name

admin\_id, admin\_phone

code\_no, appointments, employees\_availability

p\_id, payment record

**Table list for Maintain:**

1. admin\_id, admin\_name, *code\_no, p\_id*

2. admin\_id, admin\_phone

3. code\_no, appointments, employees\_availability, *p\_id*

4. p\_id, payment record

**Has:** (service\_no, facial manicure, massage, fees, threading, pedicure, waxing, code\_no, payment\_record, employees\_availability, appointments)

**1NF:** There is no multivalued attribude

**2NF:** service\_no, facial manicure, massage, fees, threading, pedicure, waxing

code\_no, payment\_record, employees\_availability, appointments

**3NF:** service\_no, facial manicure, massage, threading, pedicure, waxing

F\_id, fees

code\_no, appointments, employees\_availability

p\_id, payment record

**Table for Has:**

1.service\_no, facial manicure, massage, threading, pedicure, waxing, *F\_id*, *code\_no*, *p\_id*

2. F\_id, fees

3. code\_no, appointments, employees\_availability, *p\_id*

4. p\_id, payment record

**Perform:** (service\_no, facial manicure, massage, fees, threading, pedicure, waxing, e\_id, p\_phone,e\_name, e\_salary, e\_address, worktime, profession)

**1NF:** e\_phone is a multivalued attribuide

**2NF:** service\_no, facial manicure, massage, fees, threading, pedicure, waxing

e\_id, e\_phone,e\_name, e\_salary, e\_address, worktime, profession

**3NF:** service\_no, facial manicure, massage, threading, pedicure, waxing

F\_id, fees

e\_id, e\_phone, e\_name, profession

e\_id, e\_salary, e\_address

w\_id, worktime

**Table list for perform:**

1. service\_no, facial manicure, massage, threading, pedicure, waxing, *F\_id*, *e\_id*

2. F\_id, fees

3. e\_id, e\_name, profession, e\_salary, *w\_id, a\_id*

4. e\_id, e\_phone

4. a\_id, e\_address

5. w\_id, worktime

**Table list:**