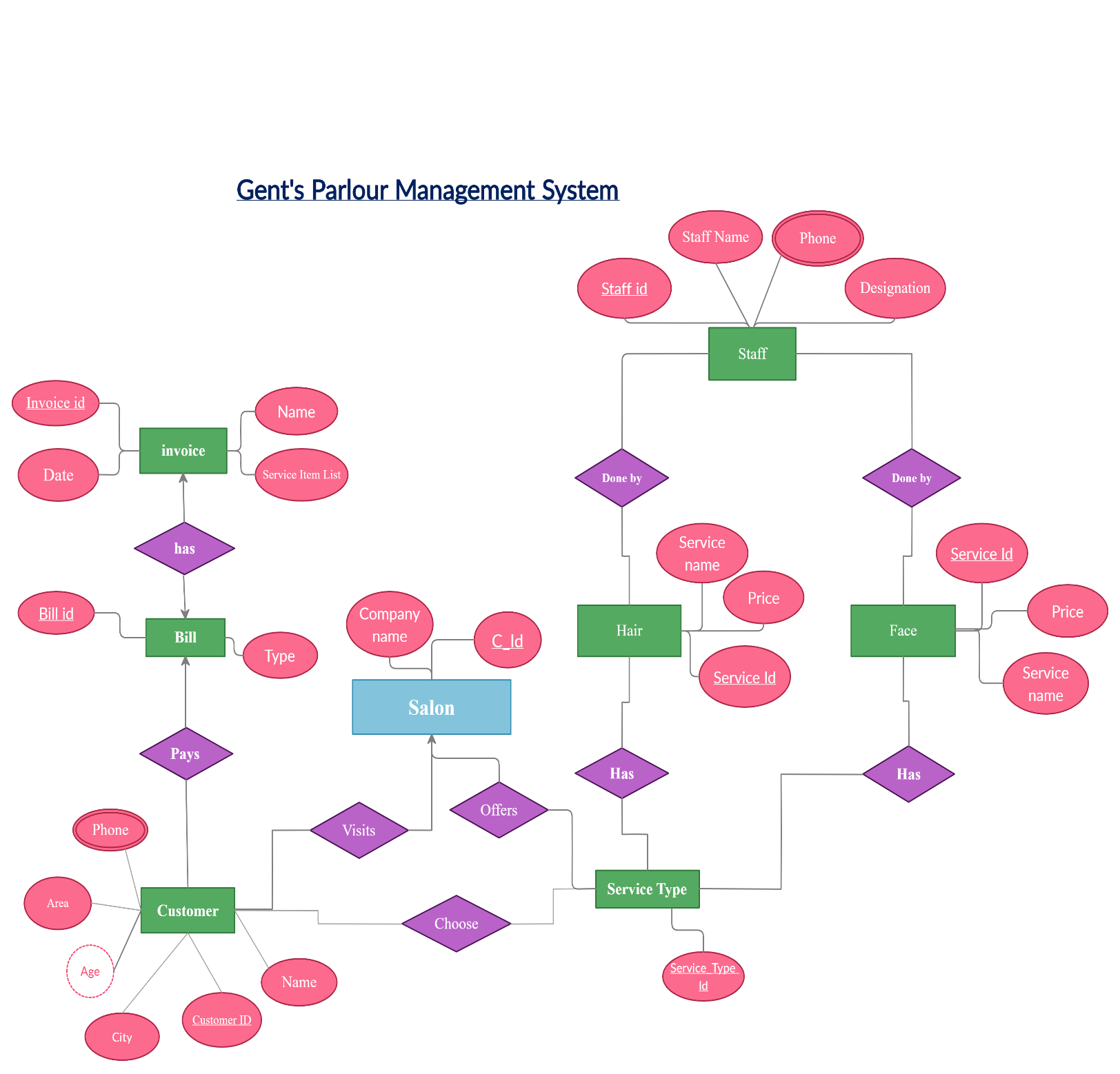
****

**Has**

**UNF**

Has (invoice id, service item list, name, date, bill id, type)

**1NF**

No multi-valued attribute.

1. invoice id, service item list, name, date, bill id, type

**2NF**

1. invoice id, service item list, date

2. bill id, type

**3NF**

There is no transitive dependency

1. invoice id, service item list, date

2. bill id, type

**Table Creation**

1. invoice id, service item list, date

2. bill id, type, **invoice id**

**Pays**

**UNF**

Pays (bill id, type, customer id, name, area, city, phone, age)

**1NF**

phone is multi-valued attribute.

1. bill id, type, customer id, name, area, city, phone, age

**2NF**

1. bill id, type

2. customer id, name, area, city, phone, age

**3NF**

1. bill id, type

2. customer id, name, phone, age

3. area, city

**Table Creation**

1. bill id, type

2. customer id, name, phone, age, **bill id**, **a\_id**

3. **a\_id,** area, city

**Visit**

**UNF**

visit (customer id, name, area, city, phone, age, company name, c\_id)

**1NF**

phone is multi-valued attribute.

1. customer id, name, area, city, phone, age, company name, c\_id

**2NF**

1. customer id, name, area, city, phone, age

2. company name, c\_id

**3NF**

1. customer id, name, phone, age

2. area, city

3. company name, c\_id

**Table Creation**

1. customer id, name, phone, age, **a\_id**

2. area, city, **a\_id**

3. company name, c\_id, **customer id**

**Choose**

**UNF**

choose (customer id, name, area, city, phone, age, service type id)

**1NF**

phone is multi-valued attribute.

1. customer id, name, area, city, phone, age, service type id

**2NF**

1. customer id, name, area, city, phone, age

2. service type id

**3NF**

1. customer id, name, phone, age

2. area, city

3. service type id

**Table Creation**

1. customer id, name, phone, age, **a\_id**

2. area, city, **a\_id**

3. service type id **, customer id**

**Offers**

**UNF**

offers (c\_id, company name, service type id)

**1NF**

No multi-valued attribute.

1. c\_id, company name, service type id

**2NF**

1. c\_id, company name

2. service type id

**3NF**

No transitive dependancy

1. c\_id, company name

2. service type id

**Table Creation**

1. c\_id, company name

2. service type id, **c\_id**

**Has**

**UNF**

has (service type id, service id, service name, price)

**1NF**

No multi-valued attribute.

1 service type id, service name, service id, price

**2NF**

1. service type id

2. service id, service name, price

**3NF**

No transitive dependency

1. service type id

2. service id, service name, price

**Table Creation**

1. service type id

2. service id, service name, price, **service type id**

**Has**

**UNF**

has (service type id, service id, service name, price)

**1NF**

No multi-valued attribute.

1 service type id, service name, service id, price

**2NF**

1. service type id

2. service id , service name, price

**3NF**

No transitive dependancy

1. service type id

2. service id, service name, price

**Table Creation**

1. service type id

2. service id, service name, price, **service type id**

**Done by**

**UNF**

Done by (service id, service name, price, staff id, staff name, phone, designation)

**1NF**

Phone is a multi-valued attribute.

1 service id, service name, price, staff id, staff name, phone, designation

**2NF**

1. service id, service name, price

2. staff id, staff name, phone, designation

**3NF**

No transitive dependency

1. service id, service name, price

2. staff id, staff name, phone, designation

**Table Creation**

1. service id, service name, price

2. staff id, staff name, phone, designation, **service id**

**Done by**

**UNF**

Done by (service id, service name, price, staff id, staff name, phone, designation)

**1NF**

Phone is a multi-valued attribute.

1 service id, service name, price, staff id, staff name, phone, designation

**2NF**

1. service id, service name, price

2. staff id, staff name, phone, designation

**3NF**

No transitive dependency

1. service id, service name, price

2. staff id, staff name, phone, designation

**Table Creation**

1. service id, service name, price

2. staff id, staff name, phone, designation, **service id**

**Temporary Tables**

1. invoice id, service item list, date

2. bill id, type, **invoice id**

3. bill id, type

4. customer id, name, phone, age, **bill id**, **a\_id**

5. **a\_id,** area, city

6. customer id, name, phone, age, **a\_id**

7. area, city, **a\_id**

8 company name, c\_id, **customer id**

9. customer id, name, phone, age, **a\_id**

10. area, city, **a\_id**

11. service type id **, customer id**

12. c\_id, company name

13. service type id, **c\_id**

14. service type id

15. service id, service name, price, **service type id**

16. service type id

17. service id, service name, price, **service type id**

18. service id, service name, price

19. staff id, staff name, phone, designation, **service id**

20. service id, service name, price

21. staff id, staff name, phone, designation, **service id**

**Final Tables**

1. Invoice (invoice id, service item list, date)

2. Bill (bill id, type, **invoice id)**

3. Customer (customer id, name, phone1, phone 2, age, **bill id**, **a\_id)**

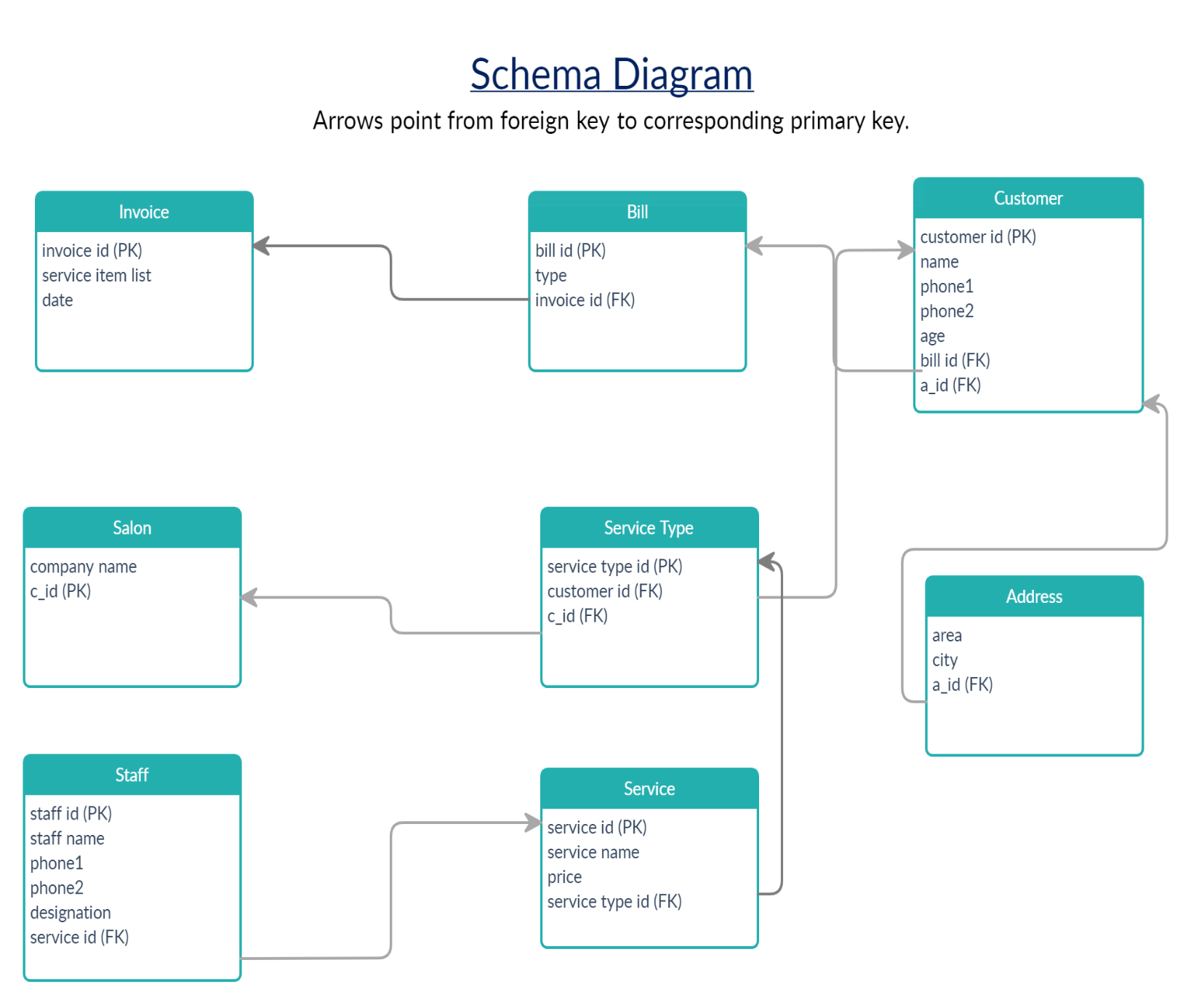
4. Address (area, city, a\_id**)**

5 Salon (company name, c\_id**)**

6. Service Type (service type id**, customer id, c\_id)**

7. Service (service id, service name, price, **service type id)**

8. Staff (staff id, staff name, phone1, phone2, designation, **service id)**



CREATE TABLE Invoice

(

invoice\_id Number(10) primary key,

service\_item\_list varchar2(30),

date\_no DATE

);

CREATE TABLE Salon

(

C\_id number(10) primary key,

Company\_name varchar2(40) not null

);

CREATE TABLE Bill

(

bill\_id number(10) primary key,

bill\_type varchar2(30),

invoice\_id Number(10),

constraint fk\_invoice\_id foreign key(invoice\_id) references Invoice(invoice\_id)

);

CREATE TABLE Address

(

a\_id number(10) primary key,

area varchar2(20),

city varchar2(20)

);

CREATE TABLE Customer

(

Customer\_id number(10) primary key,

Name varchar2(30) not null,

phone\_no1 number(16),

phone\_no2 number(16),

bill\_id number(10),

constraint fk\_bill\_id foreign key(bill\_id) references Bill(bill\_id),

a\_id number(10),

constraint fk\_a\_id foreign key(a\_id) references Address(a\_id)

);

CREATE TABLE Service\_type

(

service\_type\_id number(10) primary key,

Customer\_id number(10),

constraint fk\_Customer\_id foreign key(Customer\_id) references Customer(Customer\_id),

C\_id number(10),

constraint fk\_C\_id foreign key(C\_id) references Salon(C\_id)

);

CREATE TABLE Service

(

service\_id number(10) primary key,

service\_name varchar2(30) not null,

price float(24),

service\_type\_id number(10),

constraint fk\_service\_type\_id foreign key(service\_type\_id) references Service\_type(service\_type\_id)

);

CREATE TABLE Staff

(

staff\_id number(10) primary key,

staff\_name varchar2(30) not null,

phone\_no1 number(16),

phone\_no2 number(16),

designation varchar2(20),

service\_id number(10),

constraint fk\_service\_id foreign key(service\_id) references Service(service\_id)

);