1. Guest

2. Reservation

3. Room

4. Room Type

5. Room Status

6. Check-In

7. Check-Out

8. Billing

9. Payment Method

10. Payment Status

11. Employee

12. Department

13. Position

14. Shift

15. Schedule

16. Service

17. Service Type

18. Menu

19. Order

20. Feedback

CREATE TABLE Guest (

guest\_id INT NOT NULL,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100),

phone VARCHAR(20),

PRIMARY KEY (guest\_id)

);

Creat sequence guest\_id minvalue 1 start with 1 cache 1000;

CREATE TABLE Reservation (

reservation\_id INT NOT NULL,

guest\_id INT NOT NULL,

room\_id INT NOT NULL,

start\_date DATE NOT NULL,

end\_date DATE NOT NULL,

total\_price DECIMAL(10,2),

PRIMARY KEY (reservation\_id),

FOREIGN KEY (guest\_id) REFERENCES Guest(guest\_id),

FOREIGN KEY (room\_id) REFERENCES Room(room\_id)

);

CREATE SEQUENCE reservation\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Room (

room\_id INT NOT NULL,

room\_number VARCHAR(10)NOT NULL,

room\_type\_id INT NOT NULL,

room\_status\_id INT NOT NULL,

PRIMARY KEY (room\_id),

FOREIGN KEY (room\_type\_id) REFERENCES Room\_Type(room\_type\_id),

FOREIGN KEY (room\_status\_id) REFERENCES Room\_Status(room\_status\_id)

);

CREATE SEQUENCE room\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Room\_Type (

room\_type\_id INT NOT NULL,

type\_name VARCHAR2(50) NOT NULL,

description VARCHAR2(500),

capacity INT NOT NULL,

price DECIMAL(10,2) NOT NULL,

PRIMARY KEY (room\_type\_id)

);

CREATE SEQUENCE Room\_Type \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Room\_Status (

room\_status\_id INT NOT NULL ,

status\_name VARCHAR(50) NOT NULL,

PRIMARY KEY (room\_status\_id)

);

CREATE SEQUENCE Room\_Status\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Check\_In (

check\_in\_id INT NOT NULL ,

reservation\_id INT NOT NULL,

check\_in\_time DATE NOT NULL,

PRIMARY KEY (check\_in\_id),

FOREIGN KEY (reservation\_id) REFERENCES Reservation(reservation\_id)

);

CREATE SEQUENCE Check\_In \_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Check\_Out (

check\_out\_id INT NOT NULL,

reservation\_id INT NOT NULL,

check\_out\_time DATE NOT NULL,

PRIMARY KEY (check\_out\_id),

FOREIGN KEY (reservation\_id) REFERENCES Reservation(reservation\_id)

);

CREATE SEQUENCE Check\_Out\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Billing (

billing\_id INT NOT NULL,

reservation\_id INT NOT NULL,

total\_amount DECIMAL(10,2),

PRIMARY KEY (billing\_id),

FOREIGN KEY (reservation\_id) REFERENCES Reservation(reservation\_id)

);

CREATE SEQUENCE Billing\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Payment\_Method (

payment\_method\_id INT NOT NULL,

method\_name VARCHAR(50) NOT NULL,

PRIMARY KEY (payment\_method\_id)

);

CREATE SEQUENCE Payment\_Method\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Payment\_Status (

payment\_status\_id INT NOT NULL,

status\_name VARCHAR(50) NOT NULL,

PRIMARY KEY (payment\_status\_id)

);

CREATE SEQUENCE payment\_status\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Employee (

employee\_id INT NOT NULL,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100),

phone VARCHAR(20),

department\_id INT NOT NULL,

position\_id INT NOT NULL,

shift\_id INT NOT NULL,

PRIMARY KEY (employee\_id),

FOREIGN KEY (department\_id) REFERENCES Department(department\_id),

FOREIGN KEY (position\_id) REFERENCES Position(position\_id),

FOREIGN KEY (shift\_id) REFERENCES Shift(shift\_id)

);

CREATE SEQUENCE employee\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Department (

department\_id INT NOT NULL,

department\_name VARCHAR(50) NOT NULL,

PRIMARY KEY (department\_id)

);  
CREATE SEQUENCE department\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Position (

position\_id INT NOT NULL,

position\_name VARCHAR(50) NOT NULL,

PRIMARY KEY (position\_id)

);

CREATE SEQUENCE position\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Shift (

shift\_id INT NOT NULL ,

shift\_name VARCHAR(50) NOT NULL,

start\_time VARCHAR(50) NOT NULL,

end\_time VARCHAR(100) NOT NULL,

PRIMARY KEY (shift\_id)

);

CREATE SEQUENCE shift\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Schedule (

schedule\_id INT NOT NULL,

employee\_id INT NOT NULL,

shift\_id INT NOT NULL,

schedule\_date DATE NOT NULL,

PRIMARY KEY (schedule\_id),

FOREIGN KEY (employee\_id) REFERENCES Employee(employee\_id),

FOREIGN KEY (shift\_id) REFERENCES Shift(shift\_id)

);

CREATE SEQUENCE schedule\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Service (

service\_id INT NOT NULL ,

service\_name VARCHAR(50) NOT NULL,

service\_type\_id INT NOT NULL,

description VARCHAR(4000),

price DECIMAL(10,2) NOT NULL,

reservation\_id INT,

PRIMARY KEY (service\_id),

FOREIGN KEY (service\_type\_id) REFERENCES Service\_Type(service\_type\_id),

FOREIGN KEY (reservation\_id) REFERENCES Reservation(reservation\_id)

);

CREATE SEQUENCE Service\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Service\_Type (

service\_type\_id INT NOT NULL,

type\_name VARCHAR(50)NOT NULL,

PRIMARY KEY (service\_type\_id)

);

CREATE SEQUENCE Service\_Type\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Menu (

menu\_id INT NOT NULL,

menu\_name VARCHAR(50) NOT NULL,

description VARCHAR(500),

PRIMARY KEY (menu\_id)

);

CREATE SEQUENCE Menu\_id \_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Orders (

order\_id INT NOT NULL,

guest\_id INT NOT NULL,

menu\_id INT NOT NULL,

order\_time DATE NOT NULL,

quantity INT NOT NULL,

total\_price DECIMAL(10,2),

PRIMARY KEY (order\_id),

FOREIGN KEY (guest\_id) REFERENCES Guest(guest\_id),

FOREIGN KEY (menu\_id) REFERENCES Menu(menu\_id)

);

CREATE SEQUENCE orders\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;

CREATE TABLE Feedback (

feedback\_id INT NOT NULL,

guest\_id INT NOT NULL,

feedback VARCHAR2(500) NOT NULL,

feedback\_date DATE NOT NULL,

PRIMARY KEY (feedback\_id),

FOREIGN KEY (guest\_id) REFERENCES Guest(guest\_id)

);

CREATE SEQUENCE Feedback\_id\_seq

START WITH 1

INCREMENT BY 1

NOMAXVALUE

NOCYCLE

NOCACHE;