**RELATIONAL SCHEMA**

* Employee

(EID, Fname, Lname, Mobile, Sal, Address, DOB, J\_Dt)

* Customer

(CID, Fname, Lname, Email, Address, Phone, DOB, Aadhar)

* Family

(Aadhar, CID, Fname, Lname, Age)

* Reservation

(RID, CID, RNO, Checkin, Checkout, Days, Services, EID)

* Room

(RNO, Rtype, Beds, Fare, Status, EID)

* Feedback

(FNO, RID, Rating, Comment)

* Bill

(BNO, RID, Amount, Cardno)

**IMPLEMENTATION DETAILS**

CREATE TABLE Employee

(

EID VARCHAR(5) PRIMARY KEY,

Fname VARCHAR(8) NOT NULL,

Lname VARCHAR(8),

Mobile INT NOT NULL UNIQUE,

Sal INT NOT NULL,

Address VARCHAR(30) NOT NULL,

DOB DATE NOT NULL,

J\_Dt DATE NOT NULL,

);

CREATE TABLE Customer

(

CID VARCHAR(5) PRIMARY KEY,

Fname VARCHAR(8) NOT NULL,

Lname VARCHAR(8),

Email VARCHAR(30),

Address VARCHAR(30) NOT NULL,

Phone INT NOT NULL,

DOB DATE NOT NULL,

Aadhar INT NOT NULL UNIQUE

);

CREATE TABLE Family

(

Aadhar INT PRIMARY KEY,

Fname VARCHAR(8) NOT NULL,

Lname VARCHAR(8),

Age INT NOT NULL,

CID VARCHAR(5) NOT NULL,

FOREIGN KEY(CID) REFERENCES Customer(CID) ON DELETE CASCADE;

);

CREATE TABLE Reservation

(

RID VARCHAR(5) PRIMARY KEY,

CID VARCHAR(5) NOT NULL,

RNO INT NOT NULL,

Checkin DATE NOT NULL,

Checkout DATE,

Days INT,

Services CHAR(1) NOT NULL,

EID VARCHAR(5),

FOREIGN KEY(RNO) REFERENCES Room(RNO),

FOREIGN KEY(CID) REFERENCES Customer(CID) ON DELETE CASCADE,

FOREIGN KEY(EID) REFERENCES Employee(EID)

);

CREATE TABLE Room

(

RNO INT PRIMARY KEY,

Rtype VARCHAR(15) NOT NULL,

Beds INT NOT NULL,

Fare INT NOT NULL,

Status VARCHAR(14) DEFAULT 'Available',

EID VARCHAR(5),

FOREIGN KEY(EID) REFERENCES Employee(EID) ON DELETE SET NULL

);

CREATE TABLE Feedback

(

FNO VARCHAR(6) PRIMARY KEY,

RID VARCHAR(6) NOT NULL,

Rating INT NOT NULL CHECK(Rating>=4),

Comment VARCHAR(50),

FOREIGN KEY(RID) REFERENCES Reservation(RID) ON DELETE CASCADE

);

CREATE TABLE Bill

(

BNO INT PRIMARY KEY,

RID VARCHAR(6) NOT NULL,

Amount NUMERIC(5) NOT NULL,

Cardno INT UNIQUE,

FOREIGN KEY(RID) REFERENCES Reservation(RID) ON DELETE CASCADE

);