

```
CREATE DATABASE projectg000364674;
```

```
USE projectg000364674;
```

```
CREATE TABLE PATIENT (  
  Patient_ID int UNIQUE NOT NULL AUTO_INCREMENT,  
  First_name varchar(255),  
  Surname varchar(255),  
  Gender varchar(1),  
  Data_of_birth Date DEFAULT NULL,  
  Address varchar(255),  
  County varchar(255),  
  Phone_Number int(9) DEFAULT NULL,  
  Primary Key (Patient_ID)  
);
```

```
CREATE TABLE TREATMENT (  
  Treatment_code varchar(6) UNIQUE NOT NULL,  
  Treament_description varchar(255) UNIQUE,  
  Fees int NOT NULL,  
  Primary Key (Treatment_code)  
);
```

```
CREATE TABLE SPECIALIST (  
  Specialist_ID int UNIQUE NOT NULL,  
  Specialist_Name varchar(255) UNIQUE,  
  Primary Key (Specialist_ID)  
);
```

```
CREATE TABLE APPOINTMENT (  
  Appointment_ID int UNIQUE NOT NULL AUTO_INCREMENT,  
  Appointment_date Date NOT NULL,  
  Appointment_time time NOT NULL,  
  Patient_ID int,  
  Appointment_made_via varchar(255) NOT NULL,  
  Treatment_code varchar(255),  
  Specialist_ID int,  
  Primary key (Appointment_ID),  
  Foreign key (Treatment_code) REFERENCES TREATMENT(Treatment_code),  
  Foreign key (Patient_ID) REFERENCES PATIENT(Patient_ID),  
  Foreign Key (Specialist_ID) REFERENCES SPECIALIST(Specialist_ID)  
);
```

```
CREATE TABLE BILL (  
  Bill_ID int UNIQUE NOT NULL AUTO_INCREMENT,  
  Bill_Date TIMESTAMP NOT NULL DEFAULT '0000-00-00 00:00:00',  
  Appointment_ID int,  
  Patient_ID int,  
  Treatment_code varchar(255),  
  Fees int NOT NULL,  
  Total_due int NOT NULL,  
  Primary Key (Bill_ID),  
  Foreign Key (Appointment_ID) REFERENCES APPOINTMENT(Appointment_ID),  
  Foreign Key (Patient_ID) REFERENCES PATIENT(Patient_ID),  
  Foreign Key (Treatment_code) REFERENCES TREATMENT(Treatment_code)  
);
```

```
CREATE TABLE PAYMENT (  
  Payment_ID int UNIQUE NOT NULL AUTO_INCREMENT,  
  Bill_ID int,  
  Patient_ID int,  
  Payment_Date TIMESTAMP NOT NULL DEFAULT '0000-00-00 00:00:00',  
  Amount_paid int NOT NULL,  
  Payment_type varchar(20) NOT NULL,
```

```
Primary Key (Payment_ID),  
Foreign Key (Bill_ID) REFERENCES BILL(Bill_ID),  
Foreign Key (Patient_ID) REFERENCES PATIENT(Patient_ID)  
);
```