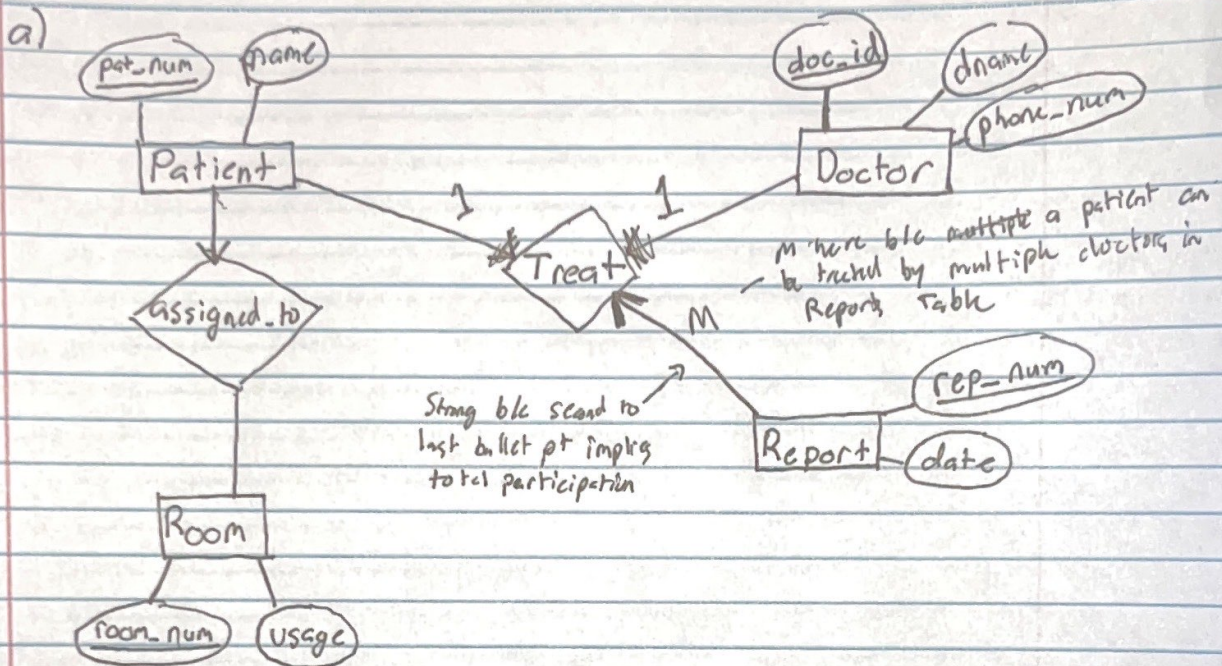


Ryan Shug
CS 442

I pledge my honor that
I have abided by the
Stevens Honor System.

Assignment 2

[Signature]



b) Room (room_num, usage)

Patient (pat_num, pname, room_num)
FK: room_num ref. Room.room_num

Doctor (doc_id, dname, phone_num)

Report (rep_num, date)

Treat (rep_num, doc_id, pat_num)
FK: rep_num ref. Report.rep_num
FK: doc_id ref. Doctor.doc_id
FK: pat_num ref. Patient.pat_num

b) (cont.)

```
CREATE TABLE Room(  
    room_num INTEGER,  
    usage CHAR(40),  
    PRIMARY KEY (room_num)  
);
```

```
CREATE TABLE Patient(  
    pat_num INTEGER,  
    pname CHAR(40),  
    FOREIGN KEY (room_num) REFERENCES Room,  
    PRIMARY KEY (pat_num),  
);
```

← UNIQUE (room_num)

```
CREATE TABLE Doctor(  
    doc_id INTEGER,  
    dname CHAR(20),  
    phone_num CHAR(10),  
    PRIMARY KEY (doc_id),  
    UNIQUE (phone_num)  
);
```

```
CREATE TABLE Report(  
    rep_num INTEGER,  
    date DATE,  
    PRIMARY KEY (rep_num)  
);
```

```
CREATE TABLE TREAT(  
    FOREIGN KEY (rep_num)  
    REFERENCES Report,  
    FOREIGN KEY (doc_id)  
    REFERENCES Doctor,  
    FOREIGN KEY (pat_num)  
    REFERENCES Patient,  
    PRIMARY KEY (rep_num),  
    UNIQUE (doc_id),  
    UNIQUE (pat_num)
```

one
line {

one
line {

one
line {

(Insert below P.K. in Patient)