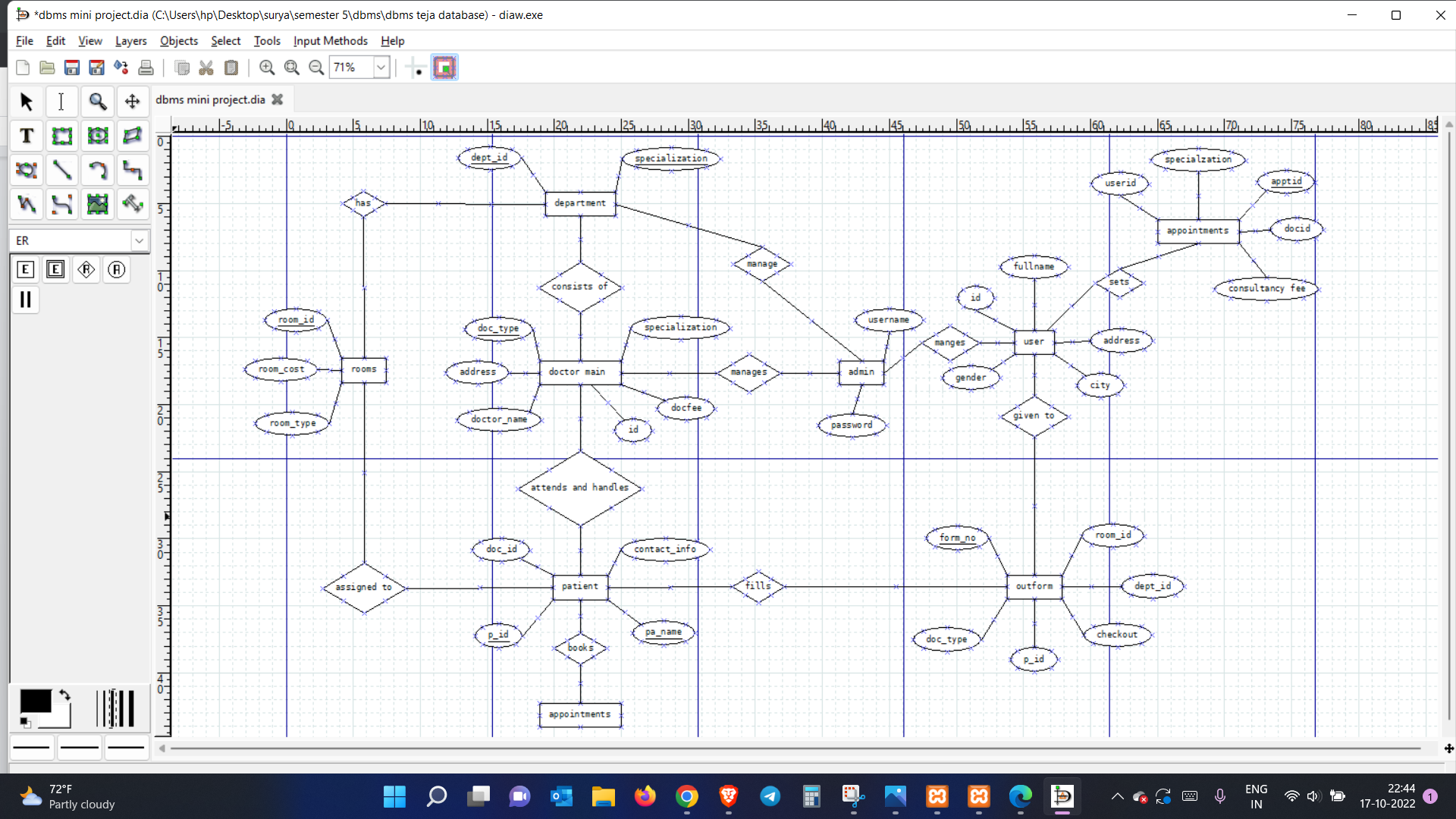
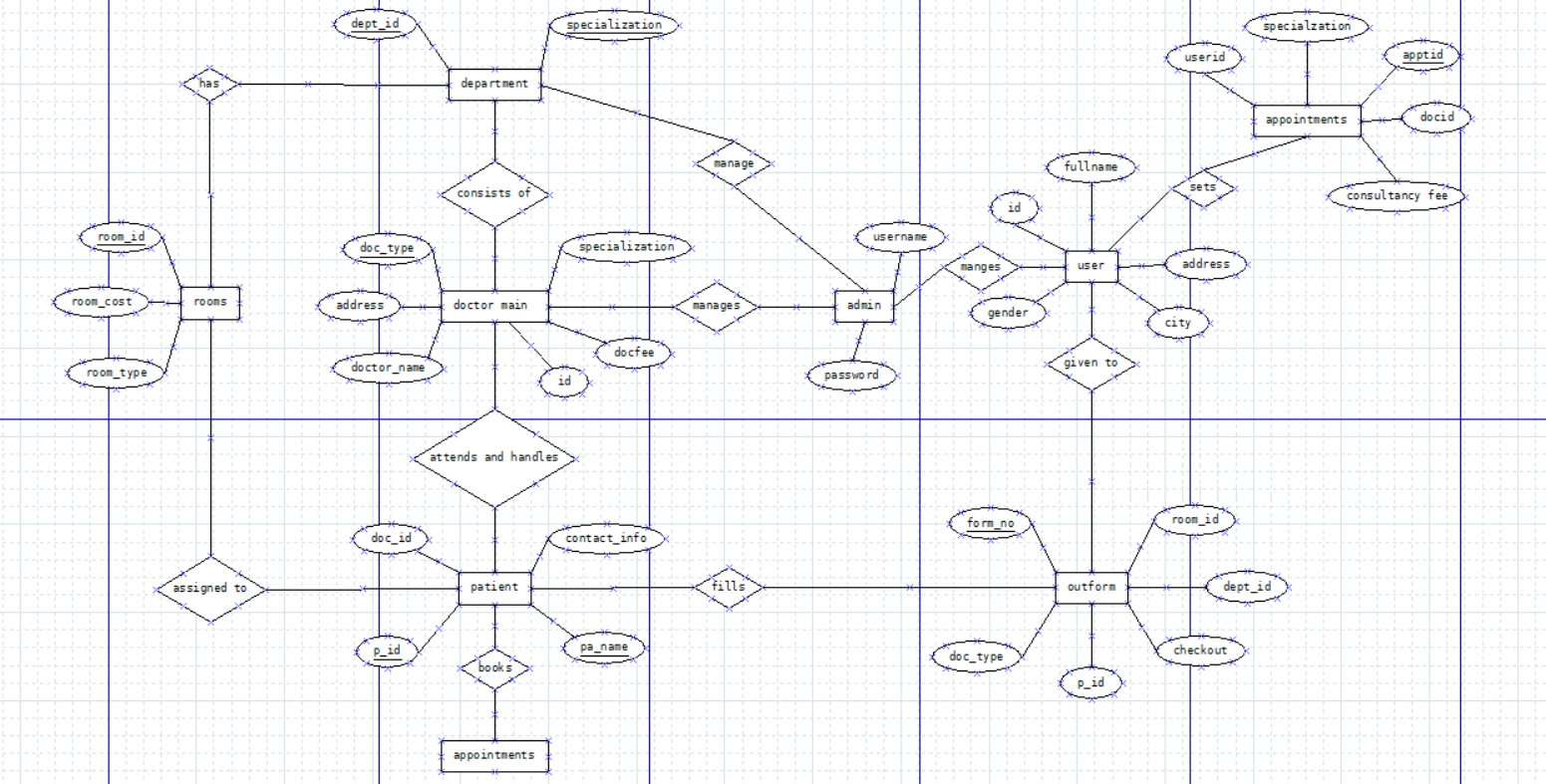
***Conceptual Design:* Batch : B4**

**DESCRIPTION-**

The **aim** of this case study is to design and develop a database for the hospital to maintain the records of various departments, rooms, and doctors in the hospital. It also maintains records of the regular patients, patients admitted in the hospital, the check up of patients done by the doctors and patients discharged from the hospital.

**ENTITY RELATION DIAGRAM-**

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**Conceptual Design-**

**DEPARTMENT-**

TABLE department

(dept\_id varchar(70) ,

dept\_name varchar(70) ,

PRIMARY KEY(dept\_id , specialization)

);

**ROOM-**

TABLE rooms

(room\_id varchar(50),

room\_type char(50),

room\_cost int(50),

PRIMARY KEY (room\_id)

);

**appointments-**

TABLE appointments

(userid varchar(50),

apptid varchar(50),

Consultancy fee int(50),

docid varchar(50),

specialization varchar(50),

PRIMARY KEY (apptid)

);

**DOCTOR-**

TABLE doctor

(id varchar(50),

doc\_type varchar(50),

doctor\_name varchar(50),

address varchar(50),

docfee varchar(50),

specialization varchar(50),

PRIMARY KEY (doc\_type),

);

**PATIENTS-**

TABLE patients

(p\_id varchar(50),

pa\_name varchar(50),

contact\_info bigint(100),

doc\_id varchar(50),

PRIMARY KEY (p\_id,pa\_name)

);

**Outform-**

TABLE outform

(form\_no varchar(20),

p\_id varchar(50),

emp\_id varchar(50),

doc\_type varchar(50),

dept\_id varchar(50),

room\_id varchar(50),

checkout date,

PRIMARY KEY (form\_no),

FOREIGN KEY (p\_id) references patients(p\_id),

FOREIGN KEY (emp\_id) references employee(emp\_id),

FOREIGN KEY (doc\_type) references doctor(doc\_type),

FOREIGN KEY (dept\_id) references department(dept\_id),

FOREIGN KEY (room\_id) references rooms(room\_id)

);

**Admin-**

TABLE admin

(username varchar(50),

password varchar(50),

);

**User-**

TABLE user

(id varchar(50),

fullname varchar(50),

Address varchar(50),

city varchar(50),

gender varchar(50),

);

**PRIMARY KEYS-**

**department -** dept\_id , dept\_name

**rooms -** room\_id

**doctor -** doc\_type

**patient** - p\_id ,pa\_name

**outform** - form\_id

**Appointments -** apptid