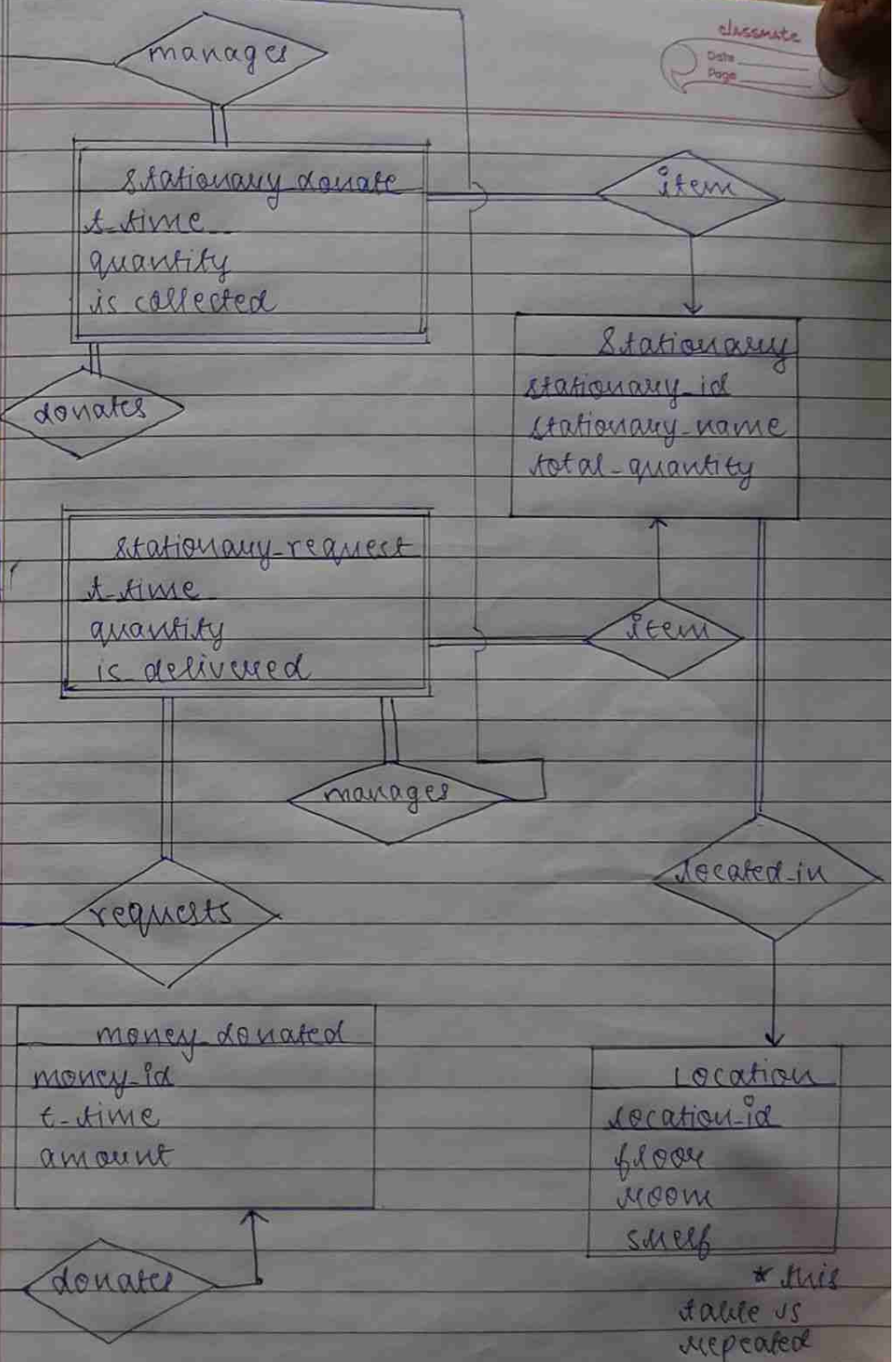
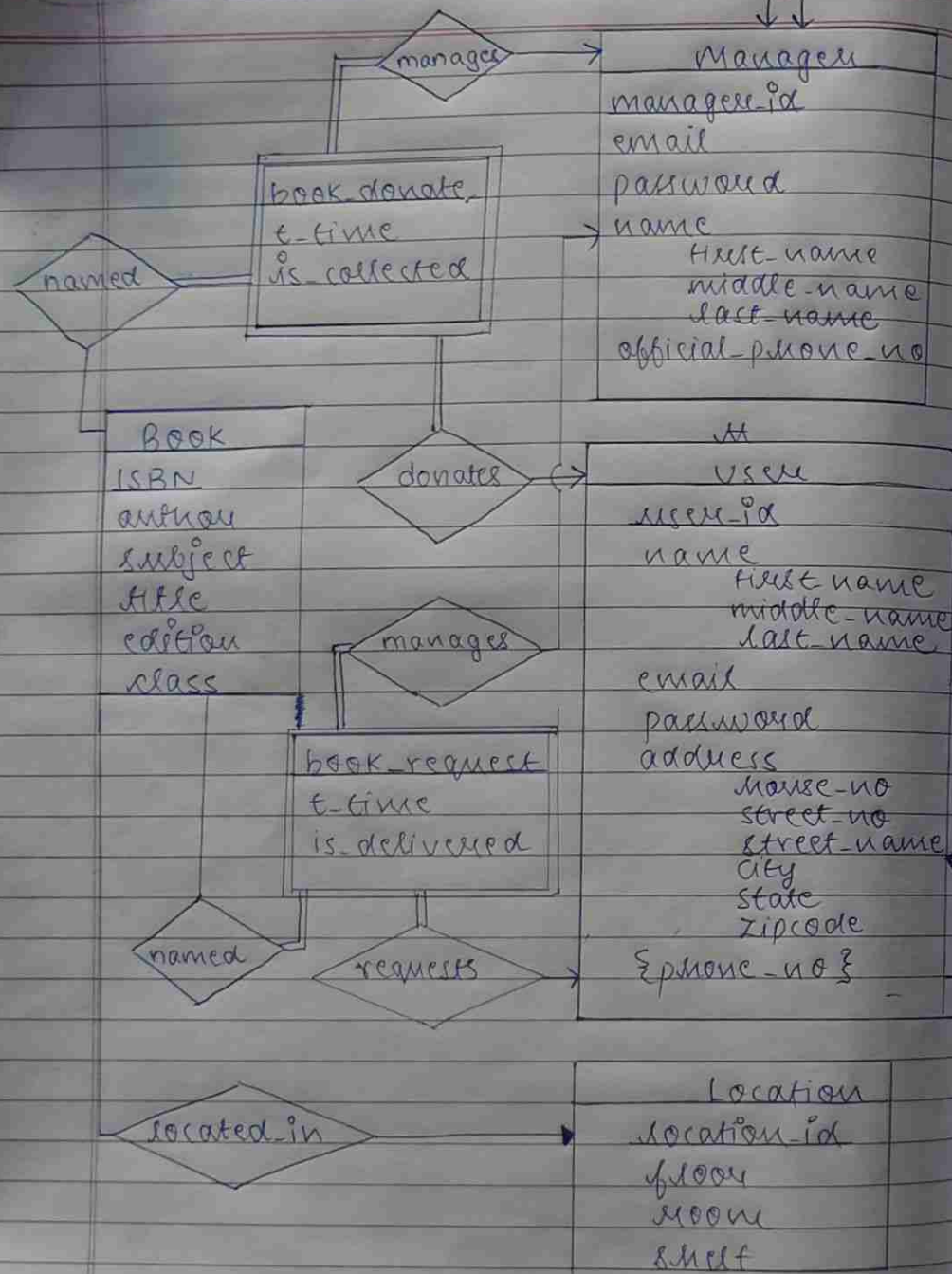


ER-Diagram - GROUP 17

Book Donation Management System



Part I

Database Schema

money-donated

money-id int
user-id int
 t-time timestamp not null
 amount int not null

phone-no

user-id int
phone-no numeric(10,0)

Manager

manager-id int
 password varchar(256)
 not null
 email varchar(256)
 not null
 first-name varchar(256)
 not null
 middle-name
 varchar(256)
 last-name varchar
 (256)
 official-phone-no
 numeric(10,0) not null

user

user-id int
 first-name varchar(50) not null
 middle-name varchar(50)
 last-name varchar(50)
 email varchar(256) not null
 house-no varchar(50)
 street-no varchar(50)
 street-name varchar(256)
 city varchar(256)
 state varchar(256)
 zipcode varchar(20)
 password varchar(256)
 not null

Part 2

Database Schema

stationery-donate

→ stationery_id int
 stationery_name varchar(256)
 not null
 tot_quantity int not null
 location_id int not null

stationery-donate

user_id int
 stationery_id int
 t_time timestamp
 quantity int
 is_collected boolean
 default 0

stationery-request

user_id int
 stationery_id int
 t_time timestamp
 quantity int
 is_delivered boolean
 default 0

user

→ user_id int
 first_name varchar(50)
 not null
 middle_name varchar(50)
 last_name varchar(50)
 email varchar(256) not null
 house_no varchar(50)
 street_no varchar(50)
 street_name varchar(256)
 city varchar(256)
 state varchar(256)
 zipcode varchar(256)
 password varchar(256)
 not null

location

→ location_id int
 floor int not null
 room int not null
 shelf int not null

'User' is repeated from Part 1

Part 3

Database Schema

book

ISBN varchar(13)
 authors varchar(256) not null
 subject- varchar(50)
 title varchar(256)
 not null
 edition int
 location_id int
 class int
 check (class >= 1 and class <= 12)

book-donate

user_id int
ISBN varchar(13)
 t-time timestamp
 is collected boolean
 default 0

book request

user_id int
ISBN varchar(13)
 t-time timestamp
 is delivered boolean
 default 0

user

user-id int
 first-name varchar(50)
 not null
 middle-name varchar(50)
 last-name varchar(50)
 email varchar(256) not null
 house-no varchar(50)
 street-no varchar(50)
 street-name varchar(256)
 city varchar(256)
 state varchar(256)
 zipcode varchar(256)
 password varchar(256)
 not null

location

location_id int
 floor int not null
 room int not null
 shelf int not null

'user' and 'location' tables
 are repeated from previous
 parts.