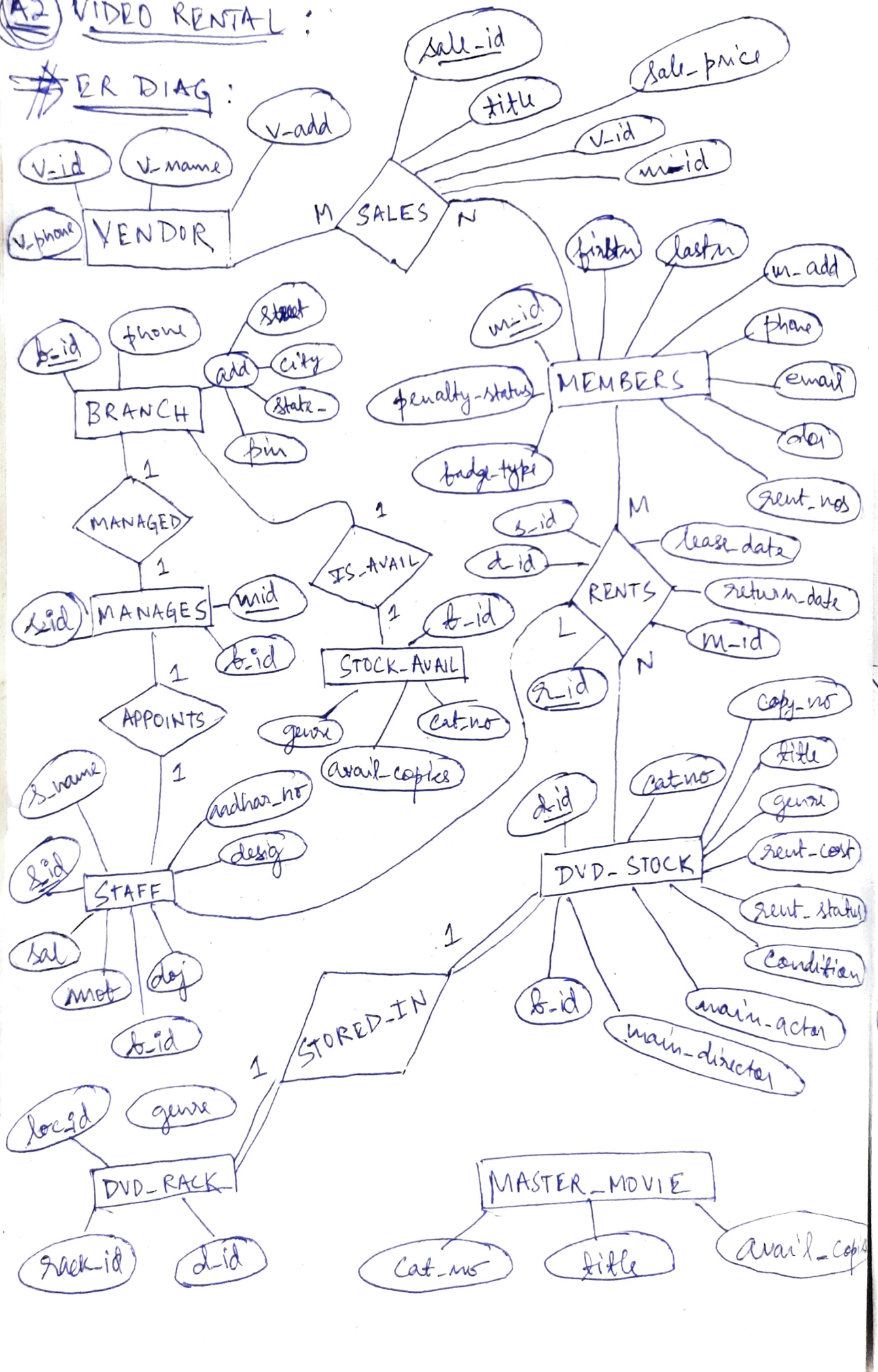
1905736 - ANAND SHARMA - DBMS CASE STUDY

A2 VIDEO RENTAL :

ER DIAG :



RELATIONAL SCHEMA :

(1) Vendor (v_id PK, v_name, v_add, v_phone)

(2) Branch (b_id PK, phone, street, city, state_, pin)

(3) Members (m_id PK, firstn, lastn, m_add, phone, email, dor, rentnos, penalty_status, badge_type).

(4) Manages (s_id FK, b_id FK, mid PK)

(5) Staff (s_id PK, s_name, aadhar_no, desig, sal, mob, doj, b_id FK)

(6) Dvd_stock (d_id PK, cat_no, copy_no, title, genre, rent_cost, rent_status, condition, main_actor, main_director, b_id FK)

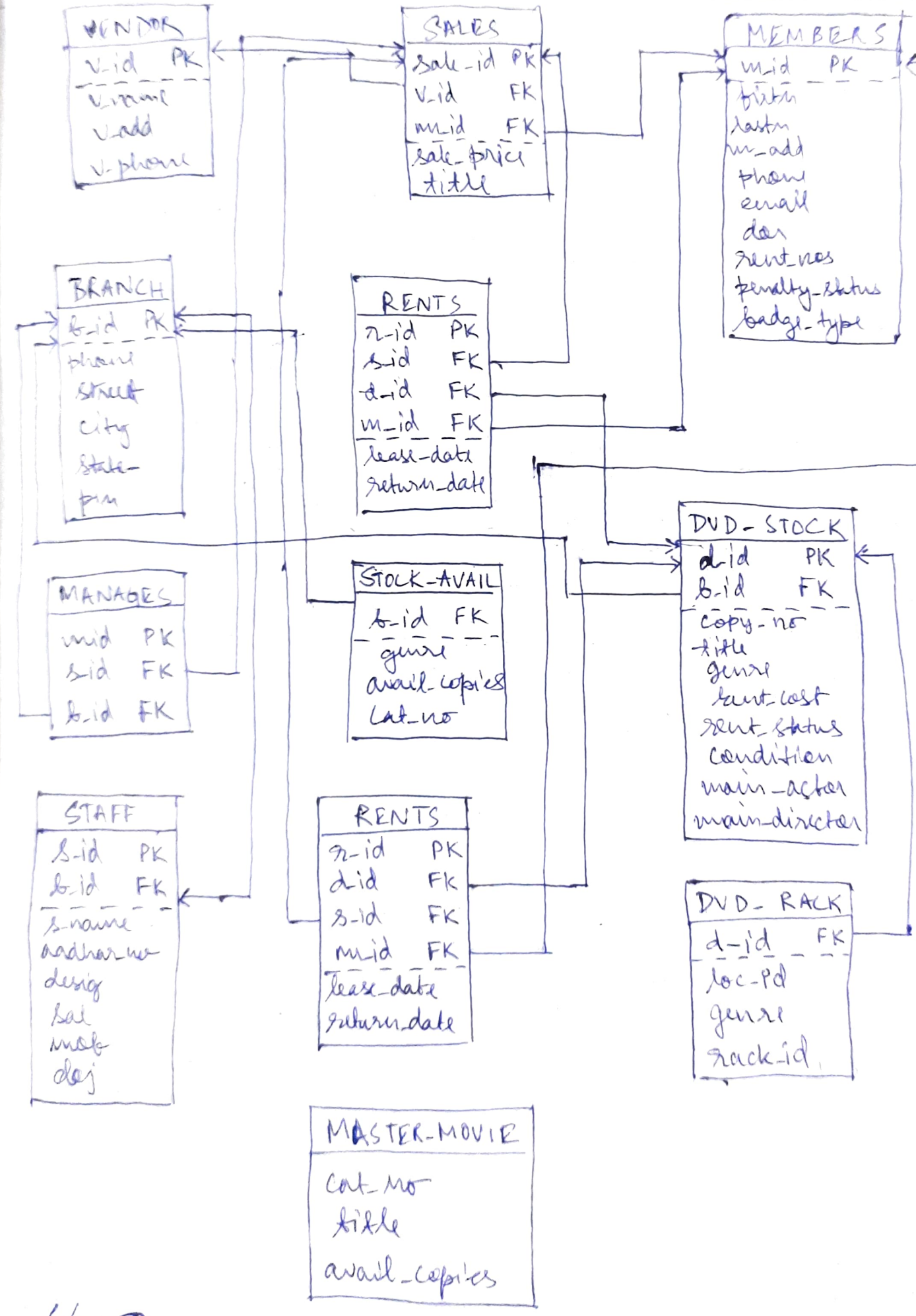
(7) Dvd_rack (rack_id, loc_id, genre, d_id FK)

(8) master_movie (cat_no, title, avail_copies)

(9) Sales (sale_id PK, v_id FK, m_id FK, sale_price, title)

(10) Stock_avail (b_id FK, genre, avail_copies, Cat_no)

(11) Rents (r_id PK, d_id FK, s_id FK, m_id FK, lease_date, return_date)


VENDOR
v_id PK
v_name
v_add
v_phone
SALES
sale_id PK
v_id FK
m_id FK
sale_price
title
MEMBERS
m_id PK
fistn
lastn
m_add
phone
email
dor
rent_nos
penalty_status
badge_type
BRANCH
b_id PK
phone
street
city
state
pin
RENTS
r_id PK
s_id FK
d_id FK
m_id FK
lease_date
return_date
DVD-STOCK
d_id PK
b_id FK
copy_no
title
genre
rent_cost
rent_status
condition
main_actor
main_director
MANAGES
mid PK
s_id FK
b_id FK
STOCK-AVAIL
b_id FK
genre
avail_copies
cat_no
STAFF
s_id PK
b_id FK
s_name
aadhar_no
desig
sal
mob
doj
RENTS
r_id PK
d_id FK
s_id FK
m_id FK
lease_date
return_date
DVD-RACK
d_id FK
loc_pd
genre
rack_id
MASTER-MOVIE
cat_no
title
avail_copies

Schema Diag :