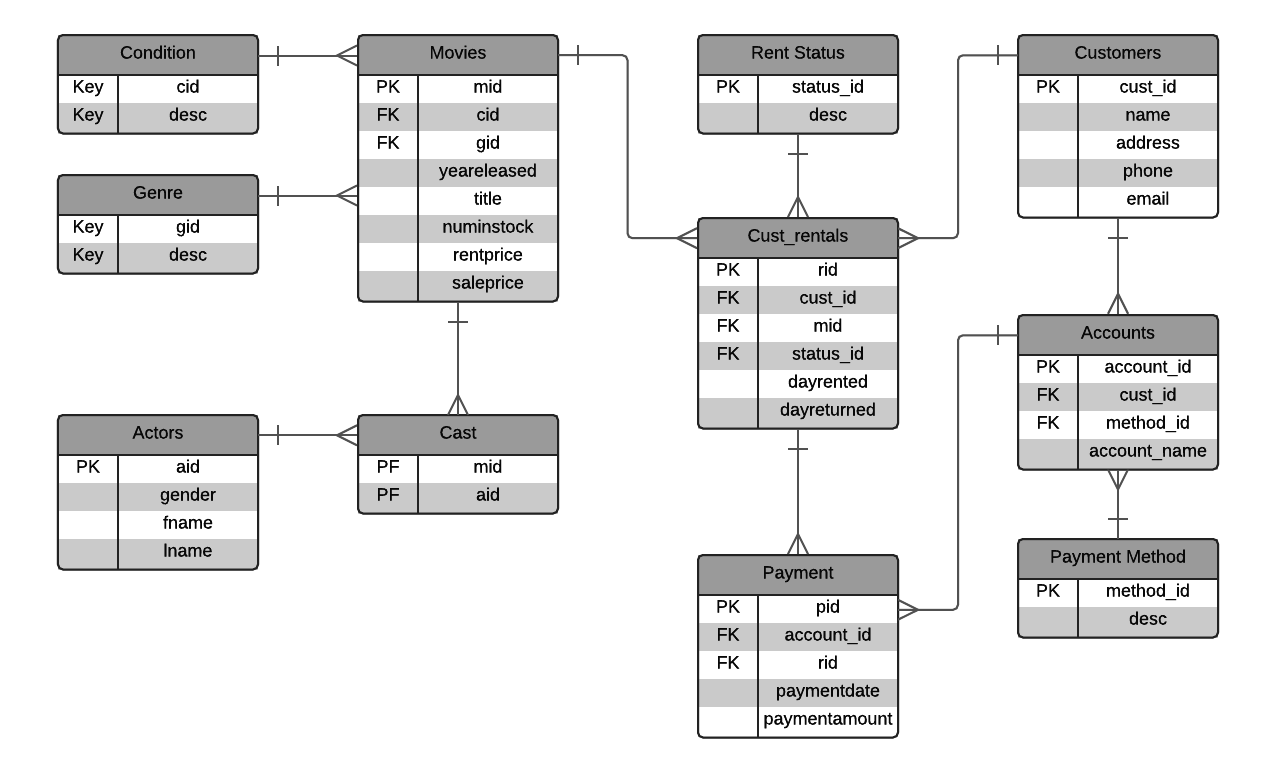
INSERT COVER PAGE HERE

INSERT TABLE OF CONTENTS HERE

INSERT EXECUTIVE SUMMARY HERE

ENTITY RELATIONSHIP DIAGRAM

TABLES

**CONDITION**

**Purpose**

This table is used to store the state of the conditions of different movies

**Create Statement**

CREATE TABLE Condition (

cid int not null,

desc text,

Primary Key (cid)

);

**Functional Dependencies**

cid🡪 desc

**Sample Data**

GENRE

**Purpose**

This table is used to identify the genres for each movie.

**Create Statement**

CREATE TABLE Genre (

gid int not null,

desc text,

Primary Key (gid)

);

**Functional Dependencies**

gid 🡪 desc

**Sample Data**

ACTORS

**Purpose**

This table is used to store a list of actor so a user can search for movies by actors.

**Create Statement**

CREATE TABLE Actors (

aid int not null,

gender text,

fname text,

lname text,

Primary Key (aid)

);

**Functional Dependencies**

aid 🡪 gender, fname, lname

**Sample Data**

MOVIES

**Purpose**

This table is used to store the different movies available for rent.

**Create Statement**

CREATE TABLE Movies (

mid int not null,

cid int not null refernces Condition(cid),

gid int not null refernces Genre(gid),

yearrelased int,

title text,

rentprice int,

saleprice int,

Primary Key (mid)

);

**Functional Dependencies**

mid🡪 cid, gid, yearreleased, title, rentprice, saleprice

**Sample Data**

CAST

**Purpose**

**Create Statement**

CREATE TABLE Cast (

mid int not null refernces Movies(mid),

aid int not null refernces Actors(aid),

);

**Functional Dependencies**

**Sample Data**

RENT\_STATUS

**Purpose**

This table is used to keep track of the status of rented movies.

**Create Statement**

CREATE TABLE Rent Status (

status\_id int not null

desc text,

Primary Key (status\_id)

);

**Functional Dependencies**

status\_id🡪desc

**Sample Data**

CUST\_RENTALS

**Purpose**

This table is used to keep track of when a customer rented a movie and whether or not they returned it.

**Create Statement**

CREATE TABLE Cust\_rentals (

rid int not null,

cust\_id int not null refernces Customers(cust\_id),

mid int not null refernces Movies(mid),

status\_id int not null refernces Rent Status(status\_id),

dayrented timestamp not null,

dayreturned timestamp not null,

Primary Key (rid)

);

**Functional Dependencies**

rid🡪cust\_id, mid, status\_id, dayrented, dayreturned

**Sample Data**

PAYMENT

**Purpose**

This table is used to track when the customer paid and how much they paid.

**Create Statement**

CREATE TABLE Payment (

pid int not null,

account\_id int not null references Accounts(account\_id),

rid int not null references Cust\_rentals(rid),

paymentdate timestamp,

paymentamount int,

Primary Key (pid)

);

**Functional Dependencies**

pid🡪account\_id, rid, paymentdate, paymentamount

**Sample Data**

CUSTOMERS

**Purpose**

This table is used to store the customer’s information.

**Create Statement**

CREATE TABLE Customers (

cust\_id int not null,

name text,

address text,

phone int not null

email text,

Primary Key (cust\_id)

);

**Functional Dependencies**

cust\_id🡪name, address, phone, email

**Sample Data**

ACCOUNTS

**Purpose**

This table is used to keep a record of the accounts of customers.

**Create Statement**

CREATE TABLE Accounts (

account\_id int not null,

cust\_id int not null references Customers(cust\_id),

method\_id int not null references Payment Method(method\_id),

account\_name text,

Primary Key (account\_id)

);

**Functional Dependencies**

account\_id🡪cust\_id, method\_id, account\_name

**Sample Data**

PAYMENT METHOD

**Purpose**

This table is used to store the methods customers used to pay.

**Create Statement**

CREATE TABLE Payment Method (

method\_id int not null,

desc text,

Primary Key (method\_id)

);

**Functional Dependencies**

method\_id🡪desc

**Sample Data**