This contains SQL CREATE TABLE, INSERT, and other commands for the end users functionality

Create database Project1;

Create table product(

p\_no integer(5) not null,

m\_no integer(5) not null,

price decimal(6,2),

disc\_type char(3) check (disc\_type in (‘DVD’,’BLU’)),

qty integer(3),

primary key (p\_no));

create table movie(

title varchar(30) not null,

m\_no integer(5) not null,

director varchar(30),

genre varchar(30) check (genre in (‘Horror’, ‘Comedy’, ‘Drama’, ‘Sci-Fi’, ‘Action’, ‘Kids’, ‘Other’)),

year integer(4),

primary key (title),

foreign key (m\_no) references product(p\_no));

create table customer(

c\_no integer(10) not null AUTO\_INCREMENT,

fname varchar(30),

lname varchar(30),

street varchar(50),

city varchar(20),

state varchar(20),

zip varchar(30),

phone char(12),

email varchar(50),

password varchar(10),

primary key (c\_no));

create table cart(

item\_no integer(10) not null AUTO\_INCREMENT,

c\_no integer(10) not null,

p\_no integer(10) not null,

qty integer(10) not null,

primary key (item\_no, c\_no),

foreign key (c\_no) references customer(c\_no),

foreign key (p\_no) references product(p\_no));

create table orders(

o\_no integer(10) not null AUTO\_INCREMENT,

c\_no integer(10),

eta\_date date,

status varchar(30) check (status in (‘arrived’,’shipped’,’processing’)),

total decimal(6,2),

shipping\_cost decimal(6,2),

primary key (o\_no),

foreign key (c\_no) references customer(c\_no));

create table item(

o\_no integer(10) not null,

i\_no integer(10) not null AUTO\_INCREMENT,

p\_no integer(10),

qty integer(10),

primary key(o\_no, i\_no),

foreign key (o\_no) references orders(o\_no),

foreign key (p\_no) references product (p\_no));

insert into product values (00001, 0001, 9.99, 'DVD',4);

insert into product values (00002, 0002, 4.99, 'DVD',5);

insert into product values (00003, 0003, 9.99, 'DVD',3);

insert into product values (00004, 0003, 10.99, 'BLU',6);

insert into product values (00005, 0004, 2.99, 'DVD',7);

insert into product values (00006, 0004, 3.99, 'BLU',7);

insert into product values (00007, 0005, 6.99, 'DVD',4);

insert into product values (00008, 0006, 7.99, 'DVD',10);

insert into product values (00009, 0007, 8.99, 'DVD',234);

insert into product values (00010, 0007, 9.99, 'BLU',34);

insert into product values (00011, 0008, 12.99, 'DVD',43);

insert into product values (00012, 0008, 13.99, 'BLU',4);

insert into product values (00013, 0009, 5.99, 'DVD',54);

insert into product values (00014, 0009, 6.99, 'BLU',5);

insert into product values (00015, 0010, 4.99, 'DVD',3);

insert into product values (00016, 0010, 5.99, 'BLU',754);

insert into movie values ('Pulp Fiction', 0001, 'Quentin Tarantino', 'Drama', 1994);

insert into movie values ('Lords of Dogtown', 0002, 'Catherine Hardwicke', 'Drama', 2005);

insert into movie values ('The Evil Dead', 0003, 'Sam Raimi', 'Horror', 1981);

insert into movie values ('Dead Alive', 0004, 'Peter Jackson', 'Horror', 1992);

insert into movie values ('The Wedding Singer', 0005, 'Frank Coraci', 'Comedy', 1998);

insert into movie values ('Grandmas Boy', 0006, 'Nicholaus Goossen', 'Comedy', 2006);

insert into movie values ('The Hitchhikers Guide to the Galaxy', 0007, 'Garth Jennings', 'Sci-Fi', 2005);

insert into movie values ('Star Wars: A New Hope', 0008, 'George Lucas', 'Sci-Fi', 1977);

insert into movie values ('Die Hard', 0009, 'John McTiernan', 'Action', 1988);

insert into movie values ('The SpongeBob SquarePants Movie', 0010, 'Stephen Hillenburg', 'Kids', 2004);

insert into customer values( 0001, 'Cassie', 'Mestayer', '7309 Alexandria Pl.', 'Stockton', 'CA', 95207,2095187006, 'c\_mestayer@u.pacific.edu', 'password');

/\*Search for a movie genre\*/

Select \* From movie Where genre=’[GENRE]’;

/\*Search for a movie Director\*/

Select \* From movie Where director like ‘%[INPUT]%’;

/\*Search for a movie with an unspecific work in the title\*/

Select \* From movie Where title like ‘%[INPUT]%’;

/\*Search through all BlU-RAY or DVD movies\*/

Select title, director, genre, year, price From movie m, product p

Where disc\_type=’[DVD/BLU]’ and m.m\_no = p.m\_no;

/\*Add a movie to their cart of x amount of quantities\*/

Insert into cart (c\_no, p\_no, qty)

Values ((Select c\_no From customer Where c\_no=[CUSTOMER NUMBER]),(Select p\_no from product where p\_no = [PRODUCT SELECTED], [QUANTITY AMOUNT]));

/\*Customer view their shopping cart\*/

Select m.title, p.price, c.qty

From cart c, product p, movie m

Where c\_no=[CUSTOMER NUMBER] AND p.p\_no=c.p\_no AND p.m\_no=m.m\_no;

/\*Change the quantity of an item in their cart\*/

Update cart Set qty=[#] Where item\_no=[ITEM NUMBER SELECTED]

/\*Delete an item from their cart\*/

Delete cart Where item\_no = [ITEM NUMBER SELECTED]

/\*View Customer Profile information\*/

Select \* From customer Where c\_no=1;

/\*Change profile information\*/

Update customer

Set [ATTRIBUTE] = [INPUT] Where c\_no = [CUSTOMER NUMBER];

/\*Place an order from cart and delete cart\*/

Insert into orders(c\_no, status, total)

Values ([CUSTOMER NUMBER], ‘processing’, (Select Sum(price) From cart c, product p Where c\_no = [CUSTOMER NUMBER] AND p.p\_no=c.p\_no));

Insert into item(o\_no, p\_no, qty)

Values((Select o\_no from orders where c\_no=[CUSTOMER NUMBER]), (Select p\_no from cart), (Select qty from cart));

Delete from cart

Where c\_no = [CUSTOMER NUMBER];

/\*Invoice showing the items in the order and order details\*/

Select m.title, p.price, i.qty

From item I, product p, movie m, orders o

Where o.o\_no=i.o\_no AND o.c\_no = [CUSTOMER NUMBER] AND p.p\_no = i.p\_no AND p.m\_no =m.m\_no;

Select total, status, eta\_date, shipping\_cost

From orders Where c\_no=[CUSTOMER NUMBER]