

Unit 08 Problem Set Submission Form

Overview

Your Name	Bhavya Shah
Your SU Email	bhshah@syr.edu

Instructions

Put your name and SU email at the top. Answer these questions all from the lab. When asked to include screenshots, please follow the screen shot guidelines from the first lab.

Remember as you complete the problem sets it is not only about getting it right / correct. We will discuss the answers in class so it's important to articulate anything you would like to contribute to the discussion in your answer:

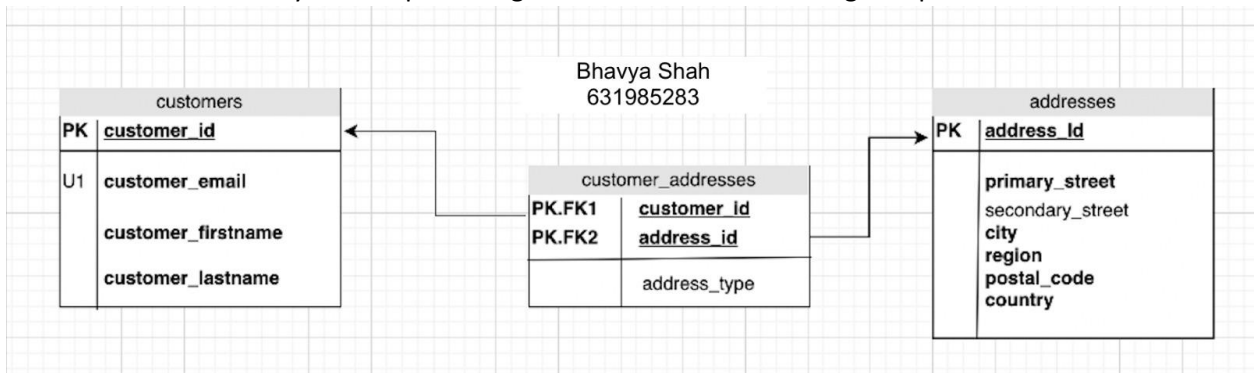
- If you feel the question is vague, include any assumptions you've made.
- If you feel the answer requires interpretation or justification provide it.
- If you do not know the answer to the question, articulate what you tried and how you are stuck.

This how you receive credit for answering questions which might not be correct.

Questions

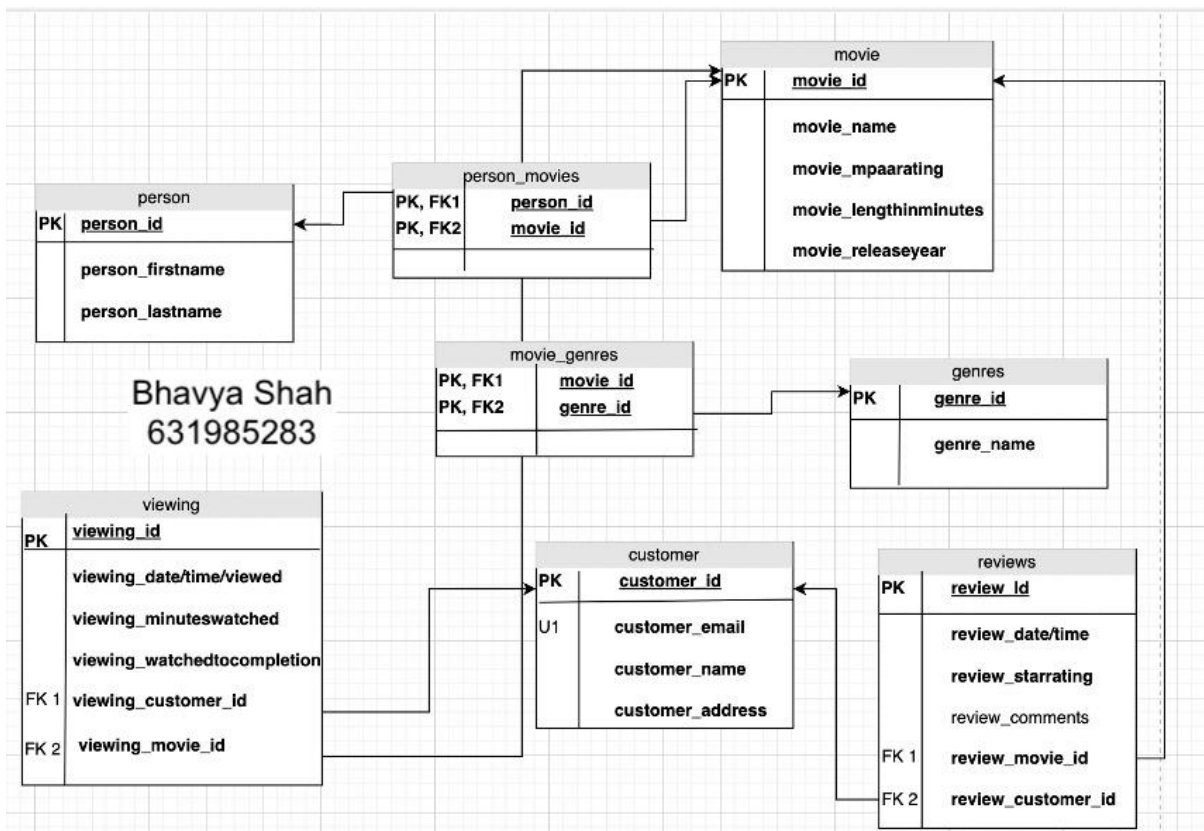
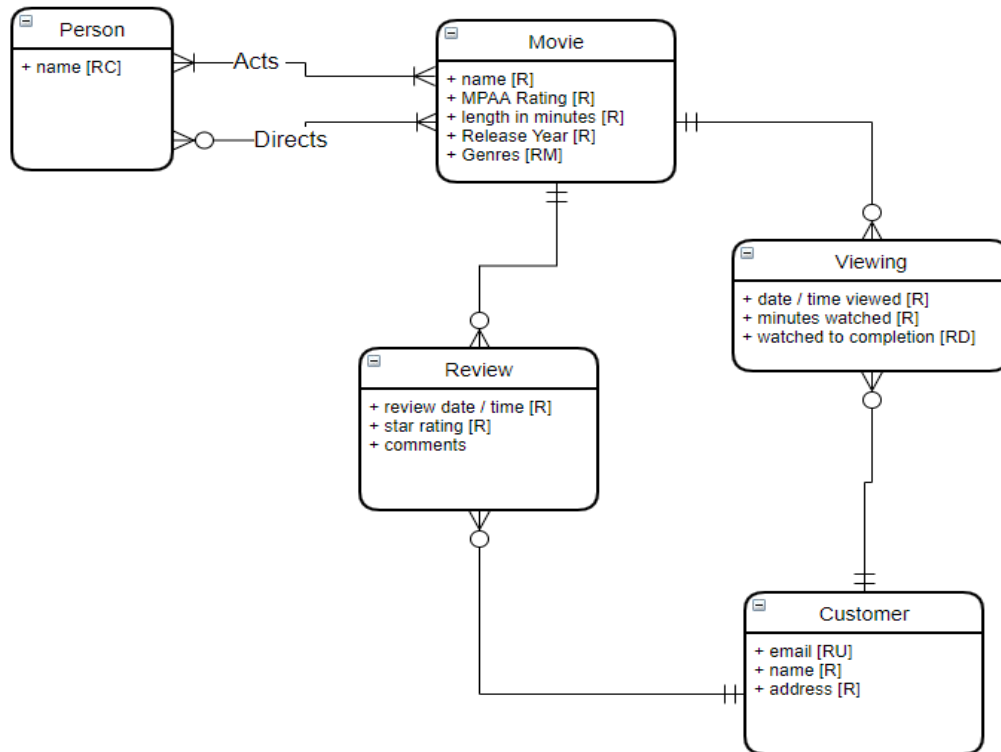
Answer these questions using the problem set submission template. You will need to provide a screen shot for each answer. Please follow the guidelines for submitting a screenshot.

1. Provide a screenshot of your completed logical model from Walkthrough Step 2.

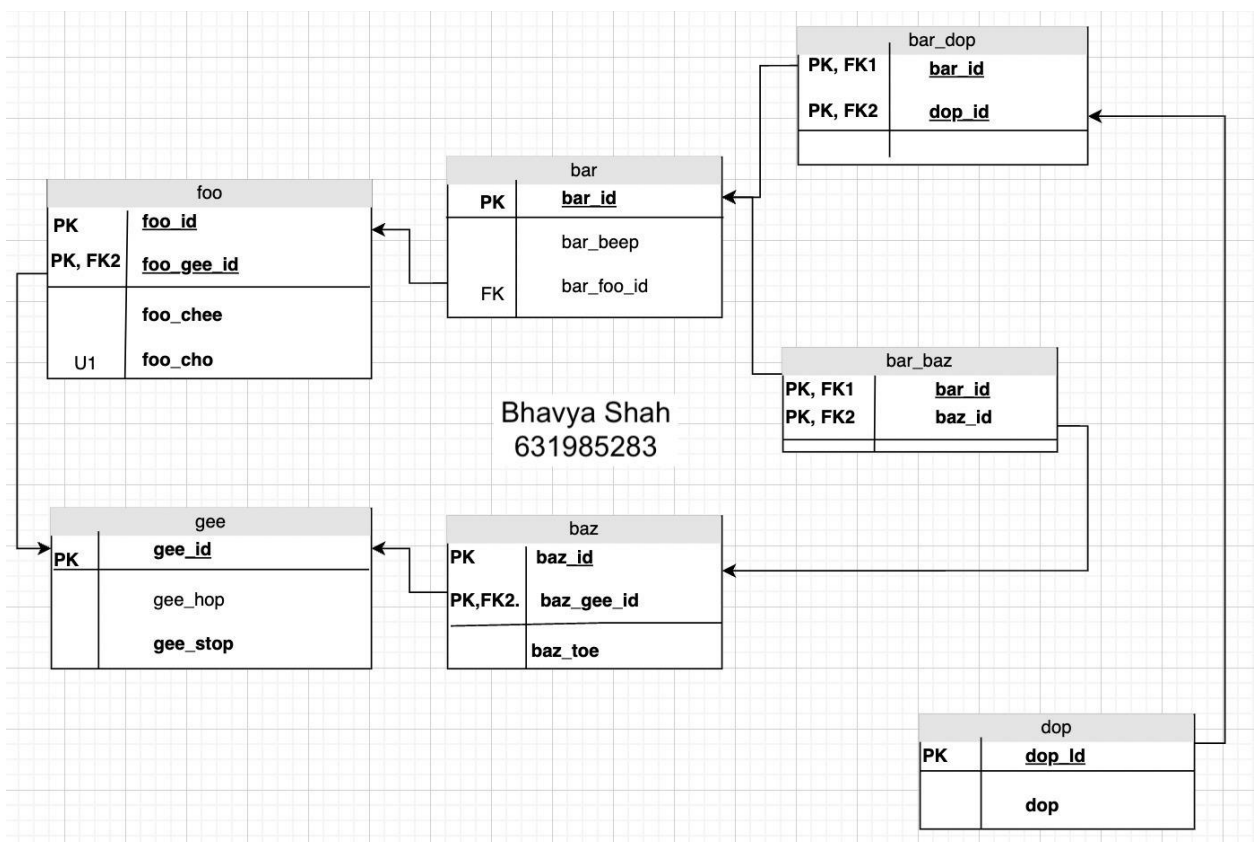
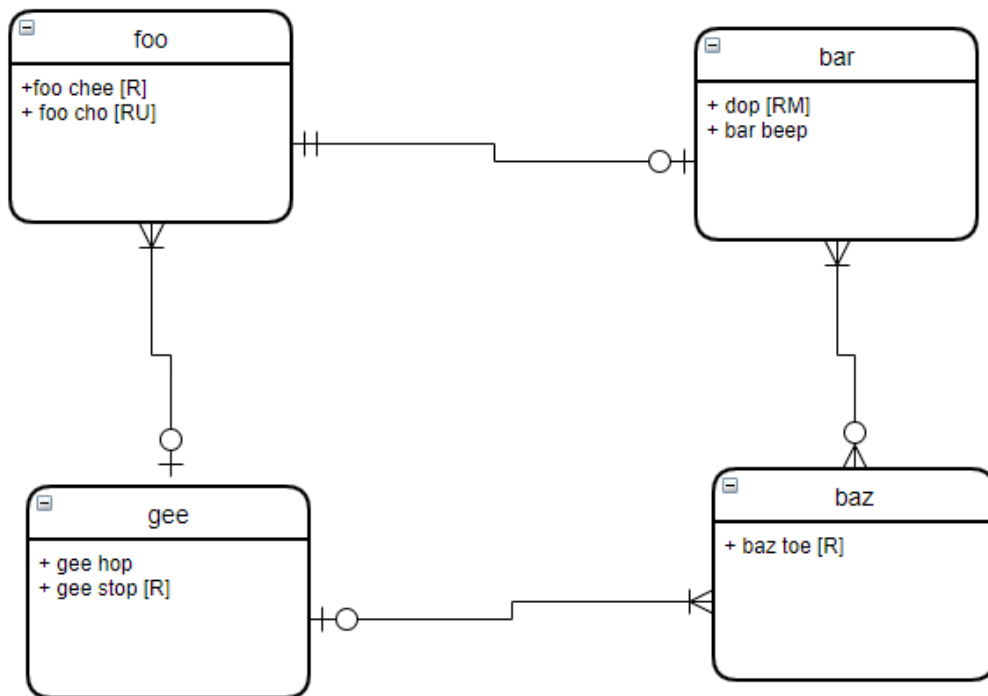


2. Provide a screenshot of your completed logical model from Walkthrough Step 3.

4. Map this conceptual Model to a logical Model

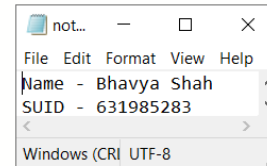


5. Map this conceptual model to a logical data model



6. Write an SQL Up/Down script to create the tables, keys and constraints for the logical model you created in question 1. Create the tables first with table constraints. Then alter the tables and add the FK constraints. The down part of your script should do this in reverse.

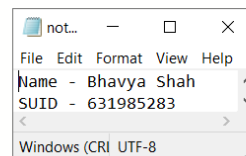
```
1  --down
2  GO
3  if exists(select * from INFORMATION_SCHEMA.TABLE_CONSTRAINTS
4  where constraint_name = 'fk_customer_addresses_customer_id')
5  alter table customer_addresses drop CONSTRAINT fk1customer_addresses_customer_id
6  if exists(select * from INFORMATION_SCHEMA.TABLE_CONSTRAINTS
7  WHERE constraint_name='fk_customer_addresses_address_id')
8  alter table customer_addresses drop constraint fk2_customer_addresses_address_id
9  drop table if exists customers
10 drop table if exists customer_addresses
11 drop table if exists addresses
12 Go
13
14 -- UP Metadata
15 create table customers (
16 customer_id int identity not null,
17 customer_email varchar(50) not null,
18 customer_firstname varchar(50) not null,
19 customer_lastname varchar(50) not null,
20 constraint pk_customers_id primary key (customer_id),
21 constraint u_customer_email unique (customer_email),
22 )
23 create table customer_addresses (
```



Messages

```
2:02:07 PM    Started executing query at Line 1
               Commands completed successfully.
2:02:07 PM    Started executing query at Line 3
               Commands completed successfully.
2:02:07 PM    Started executing query at Line 13
               Commands completed successfully.
               Total execution time: 00:00:00.273
```

```
-- /
23 create table customer_addresses (
24 customer_id int not null,
25 address_id int not null,
26 address_type varchar(50) not null,
27 constraint pk_customer_addresses_customer_id_addresses_id primary key (customer_id,address_id)
28 )
29 create table addresses (
30 address_id int identity not null,
31 primary_street varchar(50) not null,
32 secondary_street varchar(50),
33 city char(20) not null,
34 region varchar(50) not null,
35 postal_code varchar(50) not null,
36 country varchar(50) not null,
37 constraint pk_jobs_job_id primary key (address_id)
38 )
39 alter table customer_addresses
40 add
41 constraint fk1_customer_addresses_customer_id foreign key (customer_id) references customers(customer_id),
42 constraint fk2_customer_addresses_address_id foreign key (address_id) references addresses(address_id)
43 GO
44
```



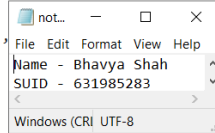
Messages

```
2:02:07 PM    Started executing query at Line 1
               Commands completed successfully.
2:02:07 PM    Started executing query at Line 3
               Commands completed successfully.
2:02:07 PM    Started executing query at Line 13
               Commands completed successfully.
               Total execution time: 00:00:00.273
```

```

45 --UP DATA
46 insert into customers
47 (customer_email, customer_firstname, customer_lastname)
48 VALUES
49 ('tanott@gustr.com', 'John', 'Cena'),
50 ('sboate@gustr.com', 'David', 'Dobrik'),
51 ('lkarforless@superrito.com', 'David', 'Beckham')
52 insert into addresses
53 (primary_street, secondary_street, city, region, postal_code, country)
54 VALUES
55 ('Walnut', 'Ave', 'Syracuse', 'Onandaga', '1', 'USA'),
56 ('Madison', 'Ave', 'Chicago', 'Lincoln Park', '2', 'USA'),
57 ('University', 'Ave', 'Florida', 'Tampa', '3', 'USA')
58 insert into customer_addresses
59 (customer_id, address_id, address_type)
60 VALUES
61 (1,1,'H1'),
62 (2,2,'H2'),
63 (3,3,'H3')
64 GO
65 select * from customers
66 select * from customer_addresses
67 select * from addresses

```



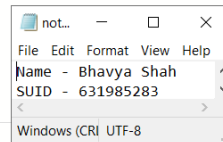
Results Messages

	customer_id	customer_email	customer_firstname	customer_lastname
1	1	tanott@gustr.com	John	Cena
2	2	sboate@gustr.com	David	Dobrik
3	3	lkarforless@superrito.com	David	Beckham

```

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47 (customer_email, customer_firstname, customer_lastname)
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52 insert into addresses
53 (primary_street, secondary_street, city, region, postal_code, country)
54 VALUES

```



Results Messages

	customer_id	customer_email	customer_firstname	customer_lastname
1	1	tanott@gustr.com	John	Cena
2	2	sboate@gustr.com	David	Dobrik
3	3	lkarforless@superrito.com	David	Beckham

	customer_id	address_id	address_type
1	1	1	H1
2	2	2	H2
3	3	3	H3

	address_id	primary_street	secondary_street	city	region	postal_code	country
1	1	Walnut	Ave	Syracuse	Onandaga	1	USA
2	2	Madison	Ave	Chicago	Lincoln Park	2	USA
3	3	University	Ave	Florida	Tampa	3	USA

Reflection

Use this section to reflect on your learning. To achieve the highest grade on the assignment you must be as descriptive and personal as possible with your reflection.

1. What are the key things you learned through the process of completing this assignment?

Ans -

2. What were the challenges or roadblocks (if any) you encountered on the way to completing it?

Ans - It took time for me to get done with the diagrams.

3. Were you prepared for this assignment? What can you do to be better prepared?

Ans - Yes. I watched the videos which helped me in this assignment.

4. Now that you have completed the assignment rate your comfort level with this week's material. This should be an honest assessment: (choose one)

4 ==> I understand this material and can explain it to others.

3 ==> I understand this material.

2 ==> I somewhat understand the material but sometimes need guidance from others.

1 ==> I understand very little of this material and need extra help.