ER diagram assignment

Design a database schema for railway ticket booking using the E-R model and design tables accordingly using the relationship model. The necessary information is given below :

Entities : Train, Ticket, Customer

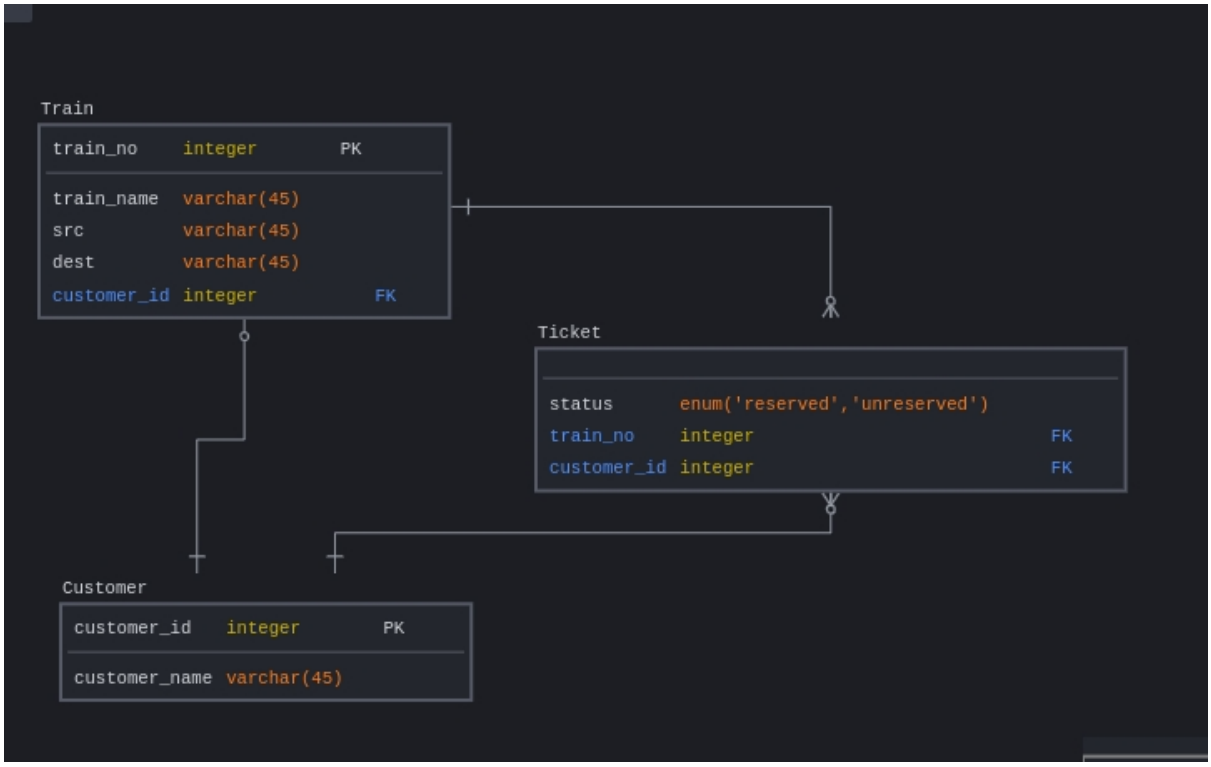
Ticket can be reserved or unreserved.

Each reserved ticket must correspond to a train and a customer.

Each unreserved ticket must correspond to a customer.

A customer cannot be in two trains at the same time.

Assume columns accordingly and mention primary keys, weak and strong entities.

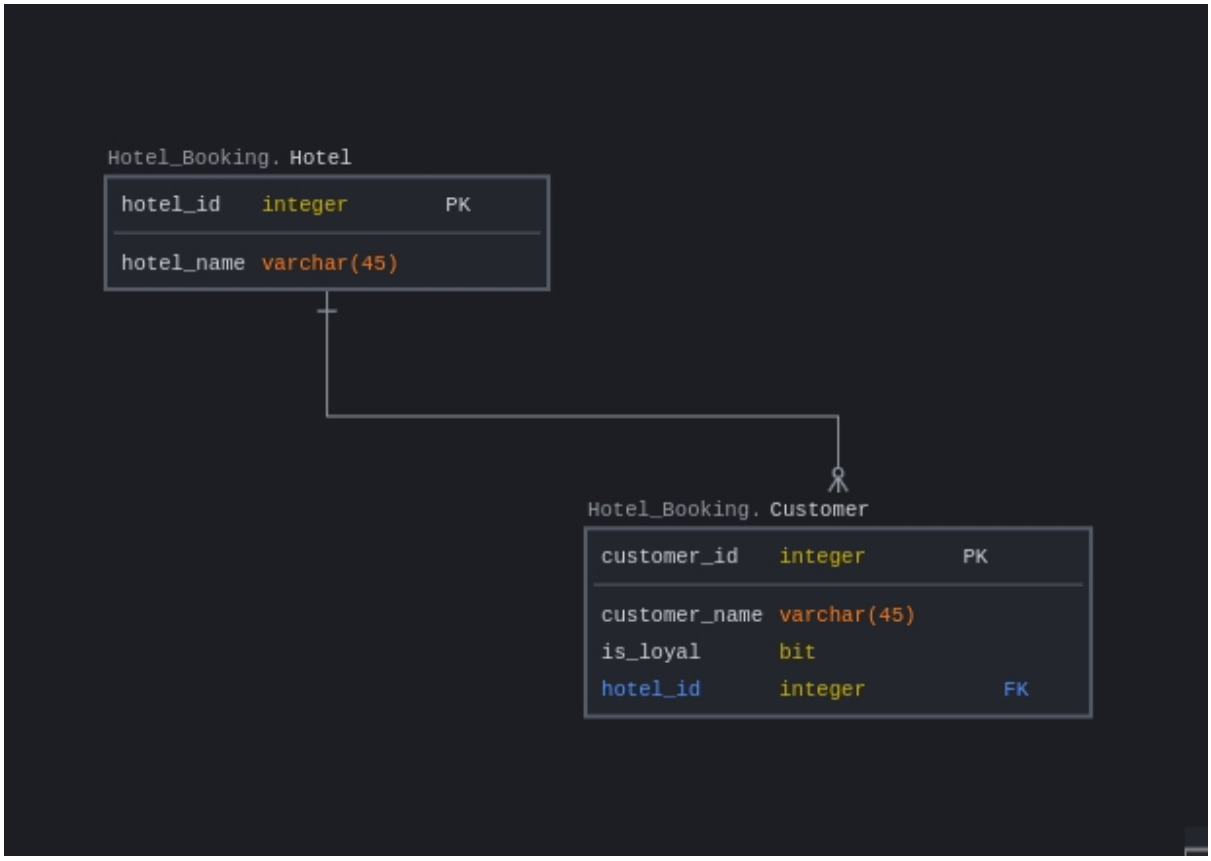


Design a database schema for a hotel booking agency using the E-R model and design tables accordingly using the relationship model. The necessary information is given below :

Entities : Hotel, Customer
Customer can be first time user or loyal customer.
Customer can book from only only hotel at a time. A hotel can have many customers.

Assume columns accordingly and mention primary keys, weak and strong entities.

Submit a text entry or file upload or github url pointing the code.



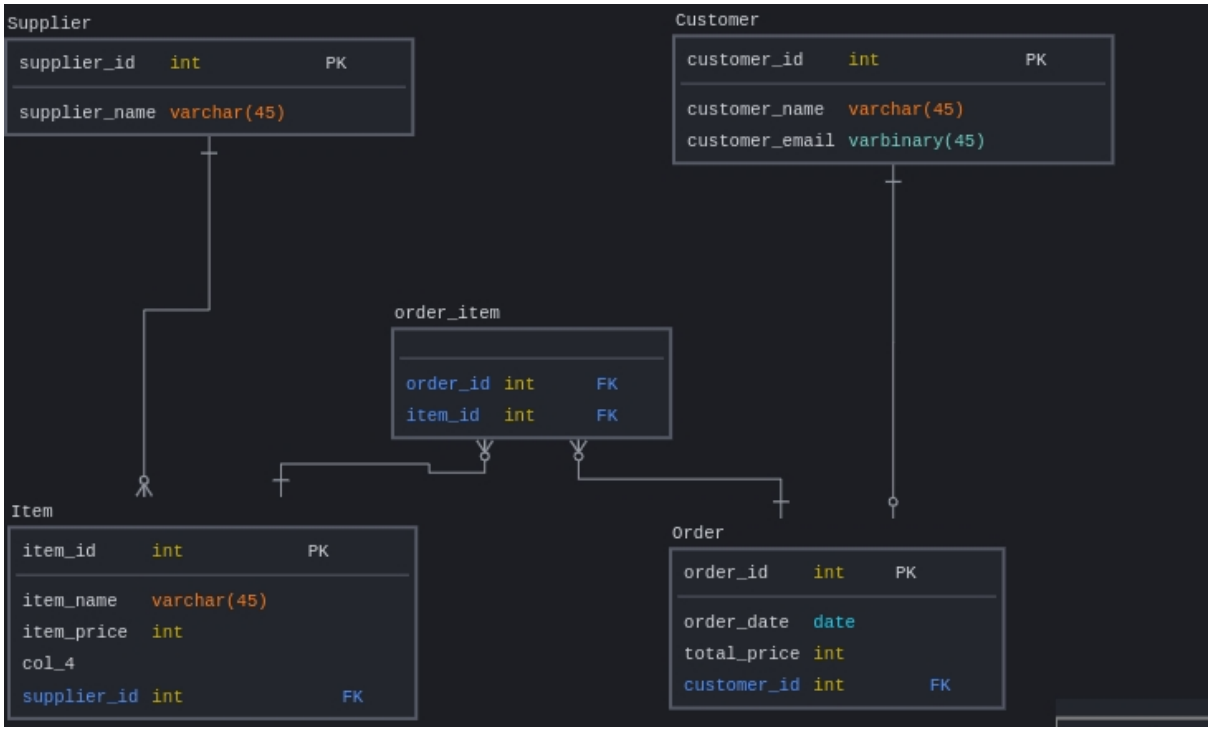
Design a database schema for an e-commerce app using the E-R model and design tables accordingly using the relationship model. The necessary information is given below :

Entities : Supplier, Customer, Items, Order

Every item should correspond to a supplier. One supplier can have more than one items.

A customer can have one order at the same time. One order can have multiple items from multiple brands.

Assume columns accordingly and mention primary keys, weak and strong entities.

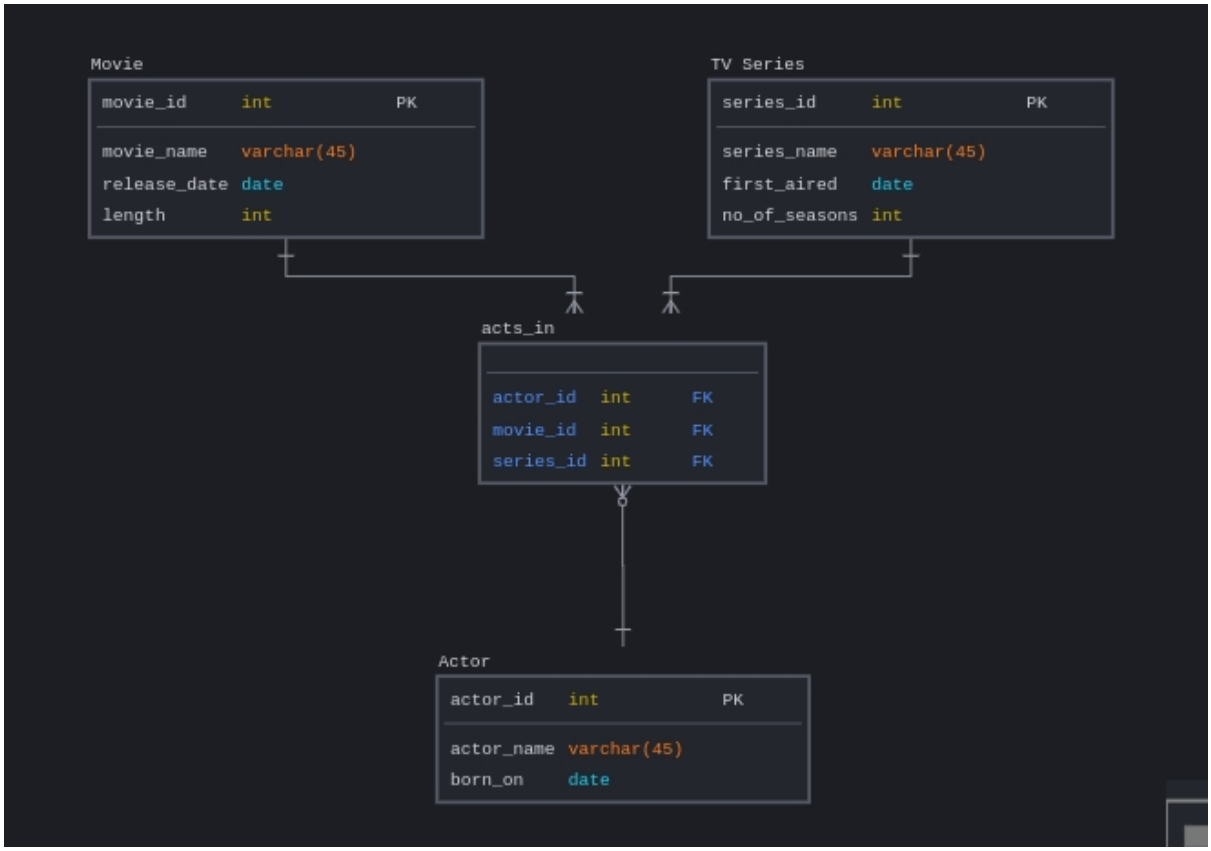


Design a database schema for a movie and tv series database using the E-R model and design tables accordingly using the relationship model. The necessary information is given below :

Entities : Movie, Actors, TV series

A TV series or a movie must have an actor. An actor can act in both.

Assume columns accordingly and mention primary keys, weak and strong entities.



Design a database schema for a banking app using the E-R model and design tables accordingly using the relationship model. The necessary information is given below :

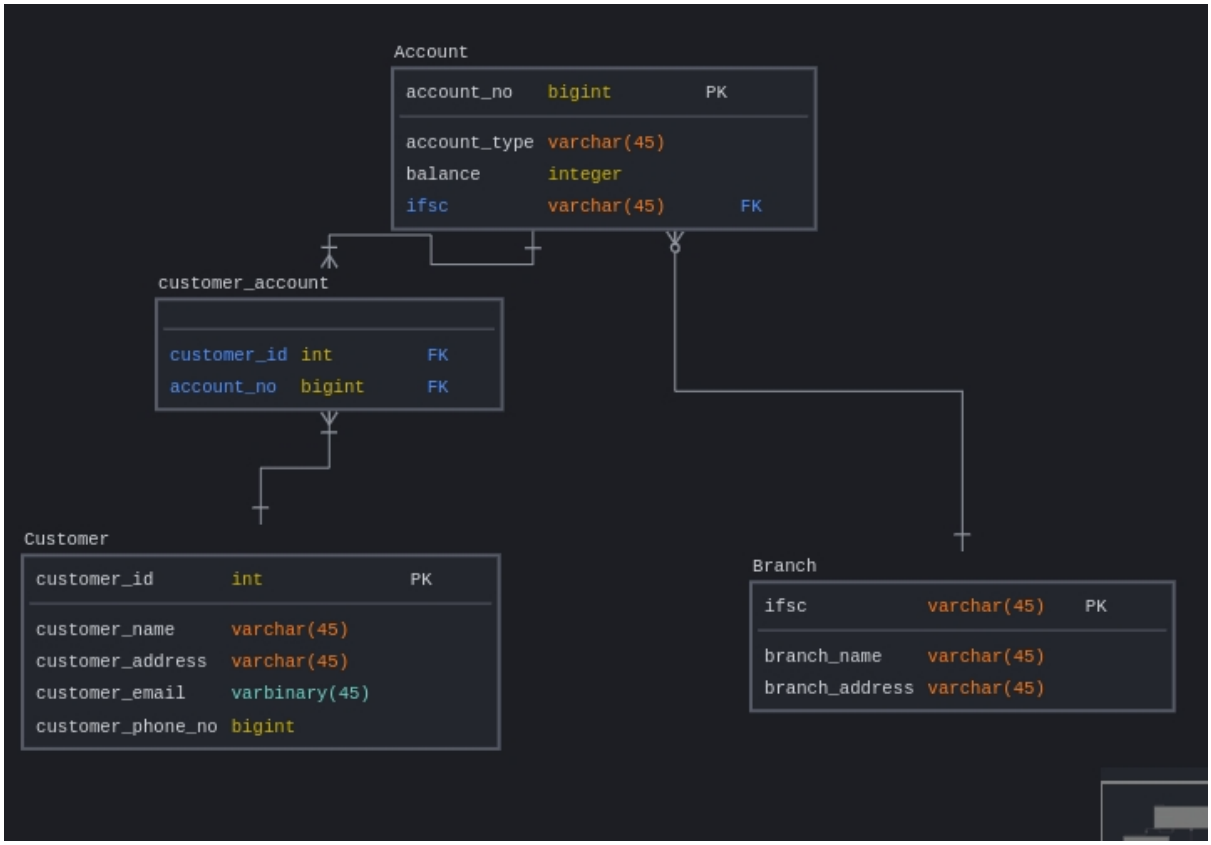
Entities : Accounts, Customer, Branches

Each customer must have an account. Joint accounts are allowed.

A customer can have multiple accounts in different branch, but not in same branch.

A branch can have many accounts.

Assume columns accordingly and mention primary keys, weak and strong entities.


Account
account_no bigint PK
account_type varchar(45)
balance integer
ifsc varchar(45) FK
customer_account
customer_id int FK
account_no bigint FK
Customer
customer_id int PK
customer_name varchar(45)
customer_address varchar(45)
customer_email varbinary(45)
customer_phone_no bigint
Branch
ifsc varchar(45) PK
branch_name varchar(45)
branch_address varchar(45)