

## Assignment - IRCTC Ticket Booking

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

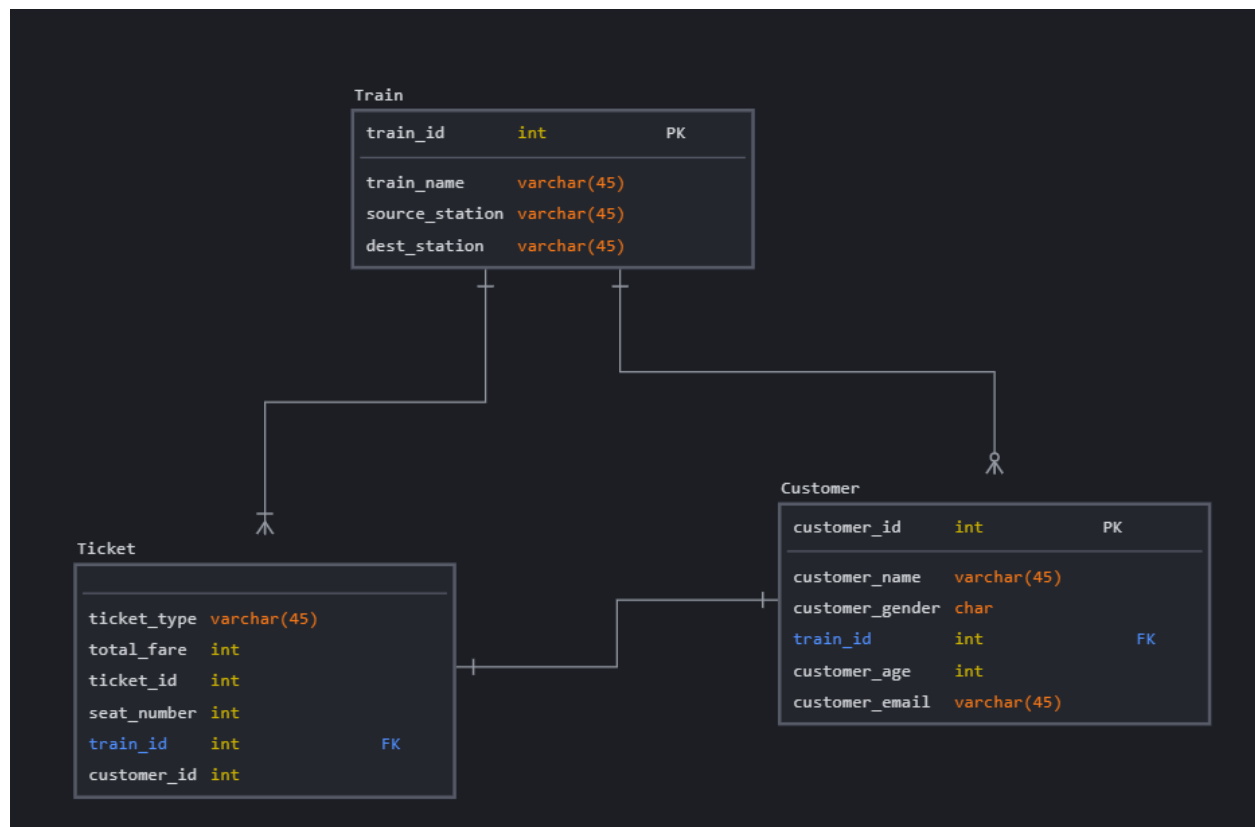
Ticket can be reserved or unreserved.

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.



Here,

**Primary Key in Train table : train\_id**

**Primary Key in Customer table : customer\_id**

Also here,

**Strong Entities : Train & Customer**

**Weak Entity : Ticket** (because ticket's existence depends on train and customer both)