

The idea of the railway system

Why did we choose this project idea:

To keep pace with technological advances, Rail transport as one of the most important means of transport . The railway system database project can help in providing the best service to passengers by providing information on train times, station and ticket prices and determine destinations, arrival and departure times also to increase ticket outlets. inquiry about reservation operations and avoid losing luggage and not using the ticket for more than one trip.

Helps eliminate the black market due to the presence of passenger names on the ticket to protect travelers from exposure to any danger by knowing the identity of the passenger and the train conductor.

The description of the railway system

Project : Railway system

The system allows passengers to travel on trains by booking a ticket, Each ticket reserves a spot on a one train trip. Each ticket has ticket number, price, Information about location, departure and arrival. Each passenger has a Name, Ssn, address And phone, The passenger can take just one luggage with him if he want. The luggage has a bag number and weight. And also he can book several tickets, It's required to keep track the number of tickets, The Trains go on trips starting from a station and ending at another station. The system keeps track of departure (date, time) and arrival (date, time). Each Station have Name, ID and location. And each train have Name and train number. There are also train conductor who drive the train. Each train conductor has a Name, Ssn, address and Phone.

Entity (attribute)

PASSENGER

(pass_name , SSN, pass_address, pass_phone)

STATION

(sta_id, sta_name, location)

TRAIN CONDUCTOR

(condc_name, condc_id, condc_address, condc_phone)

TICKET

(tick_no, price)

TRAIN

(train_name, train_no)

LUGGAGE

(bag_no, weight)

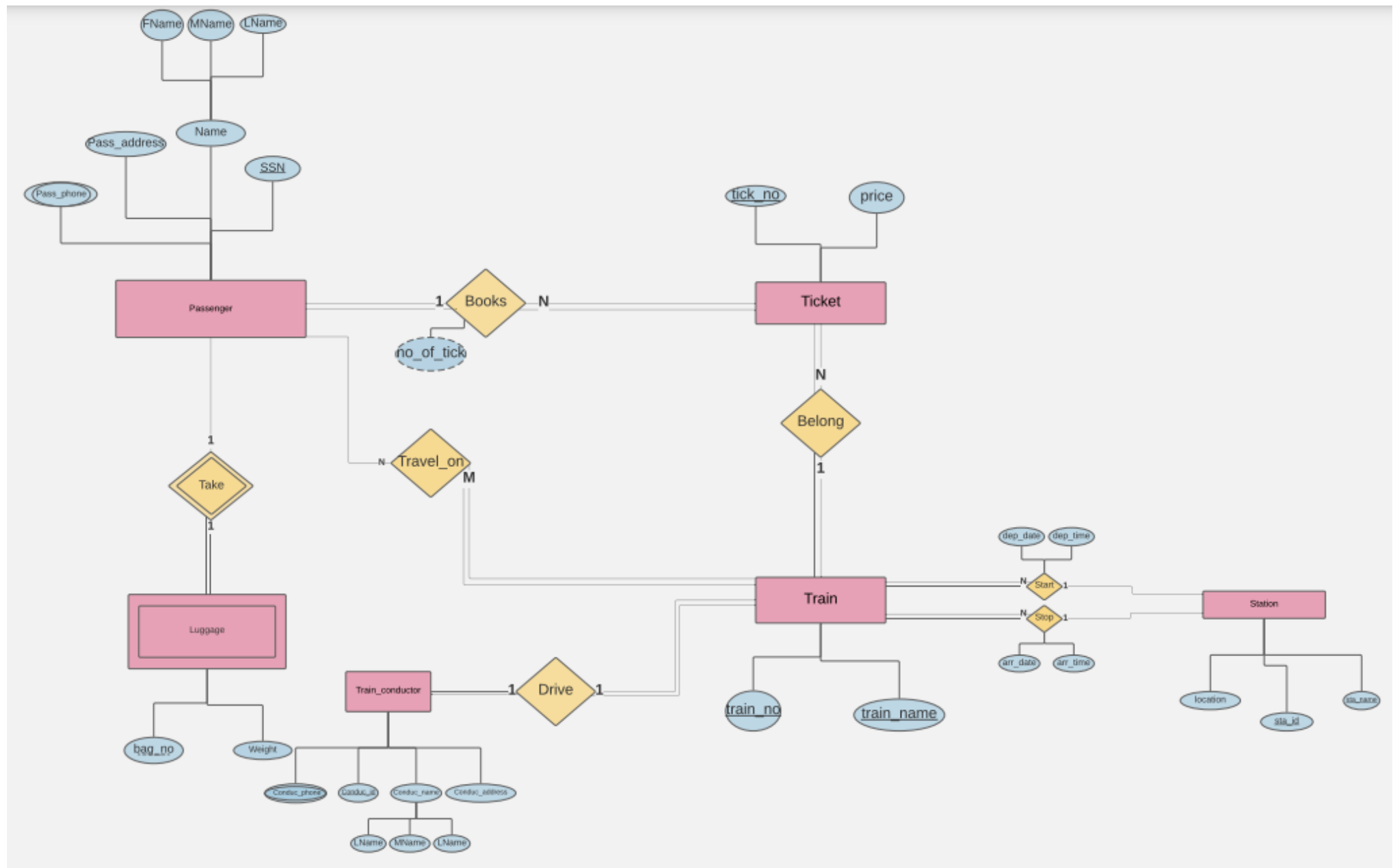
Relations (attribute)

BOOK (no_of_tick)

START (dep_date, dep_time)

STOP (arr_date, arr_time)

ERD of Railway System



Project members:

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