

Reservation			
PK	int		Reservation_id
FK	int		customer_id
FK	int		schedule_id
FK	int		origin_station_id
FK	int		destination_station_id
	date		reservation_date
	date		travel_date
	decimal		total_fare
	string	One-Way/Round-Trip	ticket_type
	string	Adult/Children/Senior/Disabled	passenger_type
	Decimal		fare
	string		trip_type

Customer			
PK	int		customer_id
	string		first_name
	string		last_name
	string	unique	email
	string	unique	username
	string		password
	string		role

Schedule_stop		
PK	int	stop_id
FK	int	schedule_id
FK	int	station_id
	int	stop_order
	datetime	arrival_time
	datetime	depature_time

Customer_Questions			
PK	int		question_id
FK	int		customer_id
	text		question_text
	text	nullable	replyr_text
	datetime		question_date
	datetime	nullable	reply_date

Transit_Line		
PK	Int	line_id
	String	line_name
	Decimal	base_fare
	Int	total_stops
FK	Int	origin_station_id
FK	Int	destination_station_id

Train			
PK	String	4-digit unique number	train_id
	String		train_name
FK	Int		line_id
	Int		Capacity

Train_Schedule		
PK	Int	schedule_id
FK	Int	line_id
FK	String	train_id
	datetime	depature_datetime
	datetime	arrival_datetime
	int	travel_time_minute
	Decimal	fare
	Decimal	fare_per_minute
	Int	travel_time

Employee		
PK	Int	employee_ssn
	String	last_name
	String	first_name
	String	username
	String	password
	String	role

Key

Entity

Relationship

1-MOne to Many

1-1One to One

Asks_Multiple_questions

1

M

Answers_multiple_questions

M

1

Manages_multiple_schedules

1

M

Has-multiple-stops

M

1

Hosts-multiple-stops

1

M

Has-destination

1

1

Has-multiple-schedule

M

1

used_in_multiple_schedule

1

M

Operates

M

1

Has-origin

1

1

Destination_for_reservation

M

1

origin_for_reservation

M

1

makes_multiple_reservations

M

1