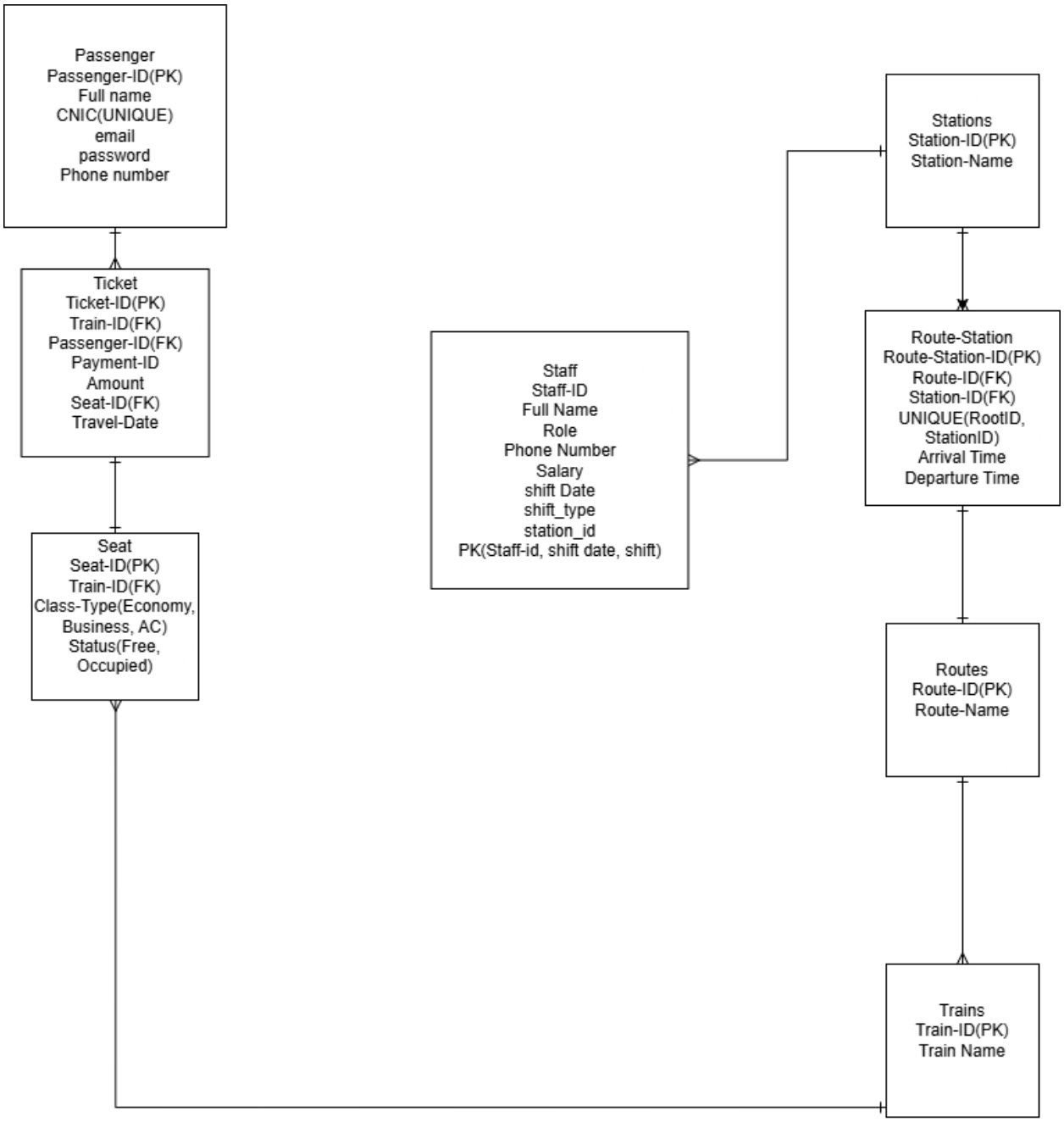
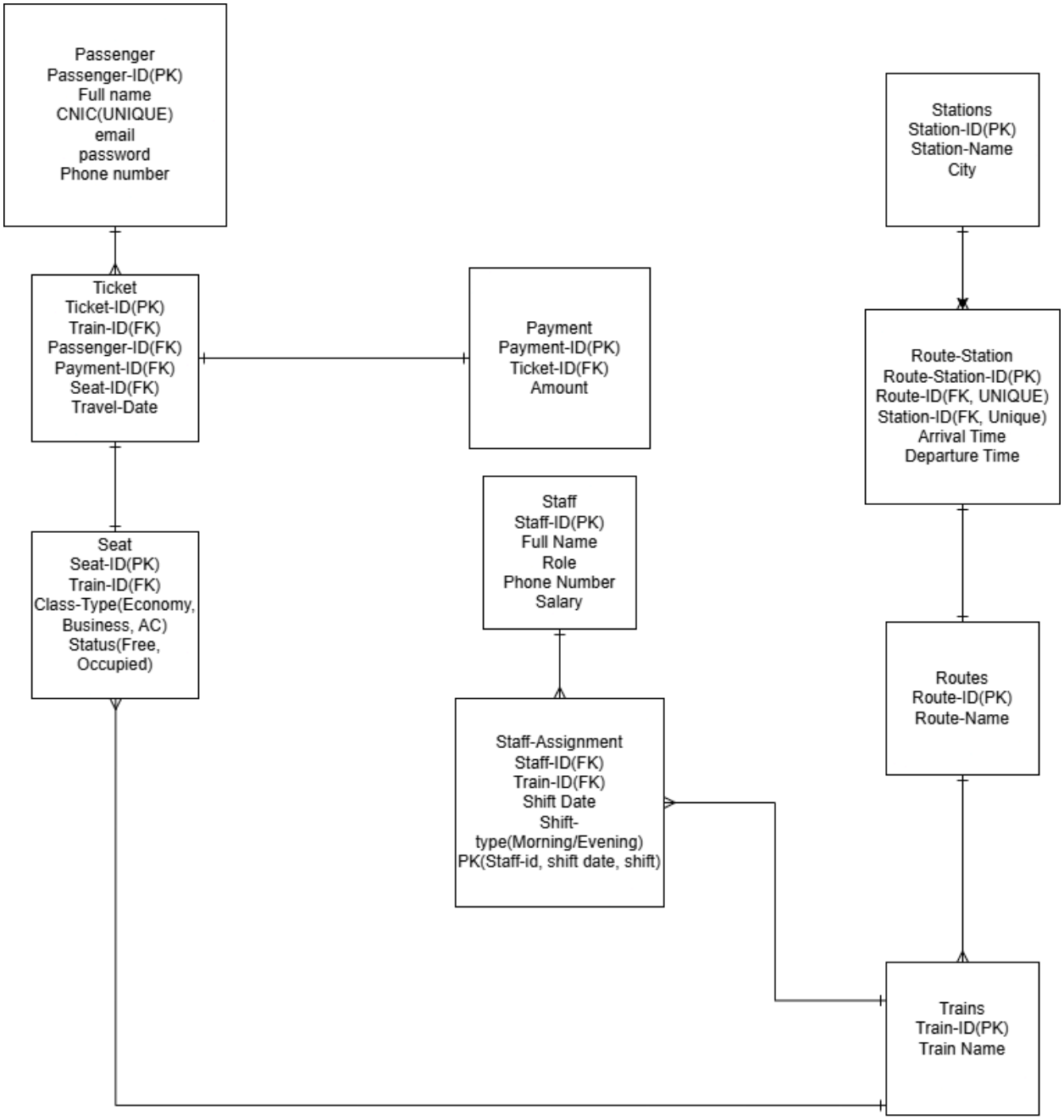
(1NF)


Passenger
Passenger-ID(PK)
Full name
CNIC(UNIQUE)
email
password
Phone number
Ticket
Ticket-ID(PK)
Train-ID(FK)
Passenger-ID(FK)
Payment-ID
Amount
Seat-ID(FK)
Travel-Date
Seat
Seat-ID(PK)
Train-ID(FK)
Class-Type(Economy, Business, AC)
Status(Free, Occupied)
Staff
Staff-ID
Full Name
Role
Phone Number
Salary
shift Date
shift_type
station_id
PK(Staff-id, shift date, shift)
Stations
Station-ID(PK)
Station-Name
Route-Station
Route-Station-ID(PK)
Route-ID(FK)
Station-ID(FK)
UNIQUE(RootID, StationID)
Arrival Time
Departure Time
Routes
Route-ID(PK)
Route-Name
Trains
Train-ID(PK)
Train Name

(3NF)


Passenger
Passenger-ID(PK)
Full name
CNIC(UNIQUE)
email
password
Phone number
Stations
Station-ID(PK)
Station-Name
City
Ticket
Ticket-ID(PK)
Train-ID(FK)
Passenger-ID(FK)
Payment-ID(FK)
Seat-ID(FK)
Travel-Date
Payment
Payment-ID(PK)
Ticket-ID(FK)
Amount
Route-Station
Route-Station-ID(PK)
Route-ID(FK, UNIQUE)
Station-ID(FK, Unique)
Arrival Time
Departure Time
Staff
Staff-ID(PK)
Full Name
Role
Phone Number
Salary
Seat
Seat-ID(PK)
Train-ID(FK)
Class-Type(Economy, Business, AC)
Status(Free, Occupied)
Routes
Route-ID(PK)
Route-Name
Staff-Assignment
Staff-ID(FK)
Train-ID(FK)
Shift Date
Shift-type(Morning/Evening)
PK(Staff-id, shift date, shift)
Trains
Train-ID(PK)
Train Name