GROUP TWO MEMBERS

1. Adrianna Bitutu -134126
2. Clarice Muthoni -127707
3. Alvin Maina -130834
4. Charity Makhanu -124534
5. Diana Koigi- 122523

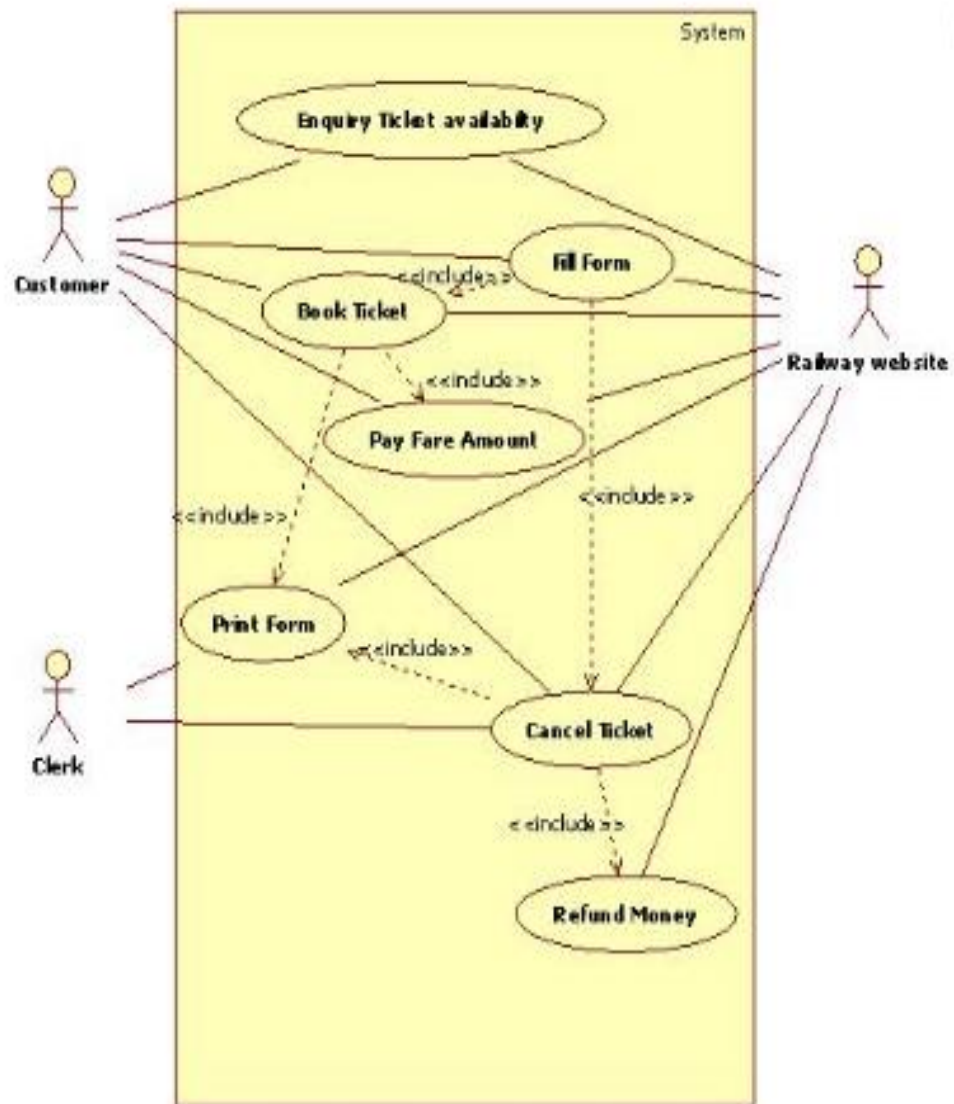## The Railway Reservation Case Study.

1. **Identify possible actors in the case study.**
    a. Passengers.
    b. Admin**.**
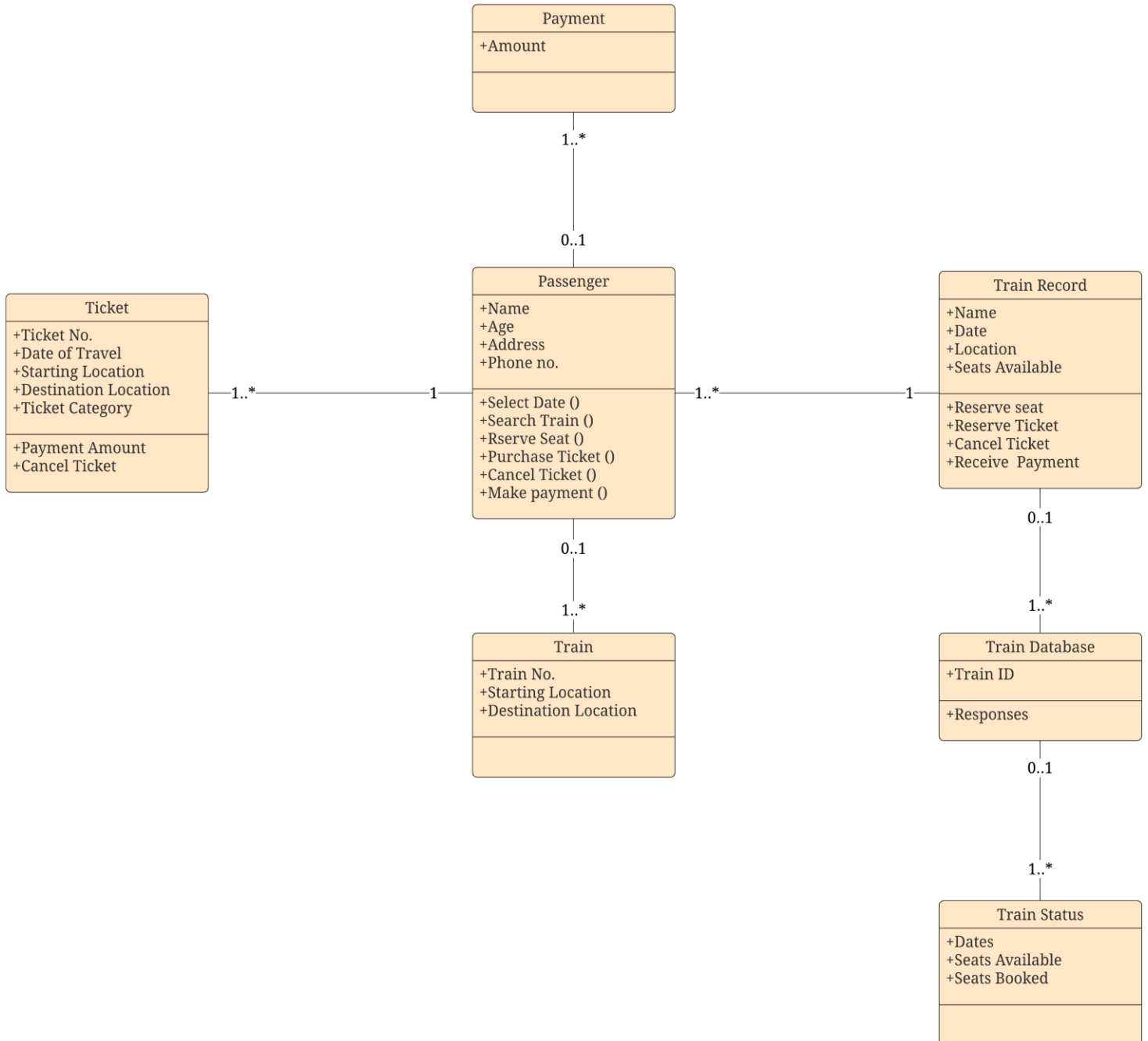

2. **Identify possible classes in the case study.**
    a. Ticket.
    b. Train.
    c. Train Status.
    d. Passenger.
    e. Database.
    f. Draw a Use Case Diagram for the Railway Reservation System.

3. Draw a Use Case Diagram for the Railway Reservation System.

4. Draw a Class Diagram for the Railway Reservation System.

Payment

+Amount

1..*

0..1

Passenger

+Name
+Age
+Address
+Phone no.

+Select Date ()
+Search Train ()
+Rserve Seat ()
+Purchase Ticket ()
+Cancel Ticket ()
+Make payment ()

Train Record

+Name
+Date
+Location
+Seats Available

+Reserve seat
+Reserve Ticket
+Cancel Ticket
+Receive Payment

Ticket

+Ticket No.
+Date of Travel
+Starting Location
+Destination Location
+Ticket Category

+Payment Amount
+Cancel Ticket

1..* — 1

1..* — 1

0..1

1..*

Train

+Train No.
+Starting Location
+Destination Location

0..1

1..*

Train Database

+Train ID

+Responses

0..1

1..*

Train Status

+Dates
+Seats Available
+Seats Booked

5. Draw a System Sequence Diagram for the Railway Reservation System.