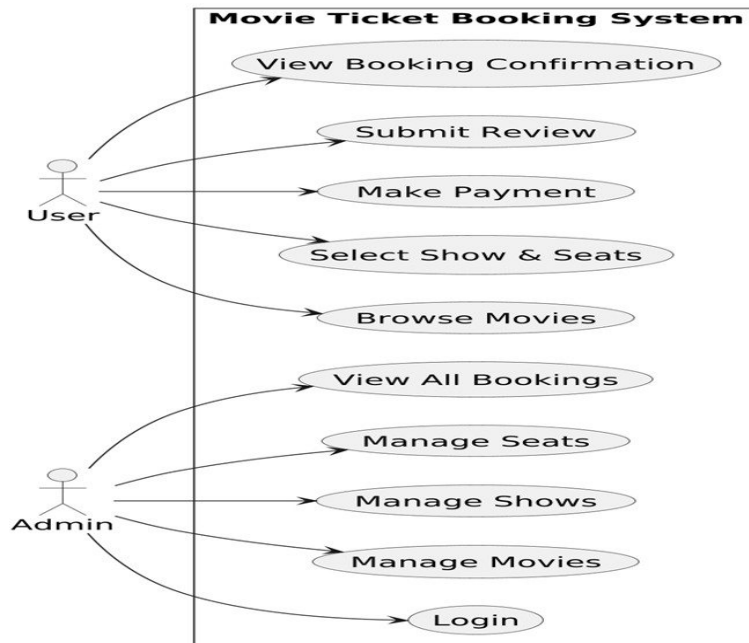# UML DAIGRAMS

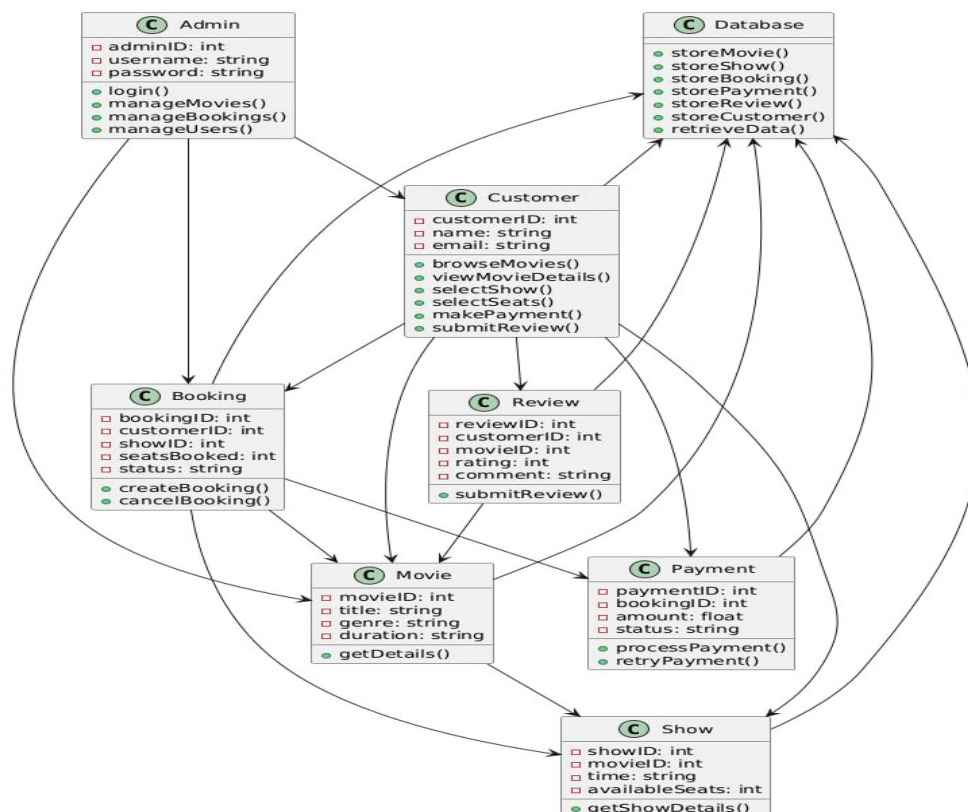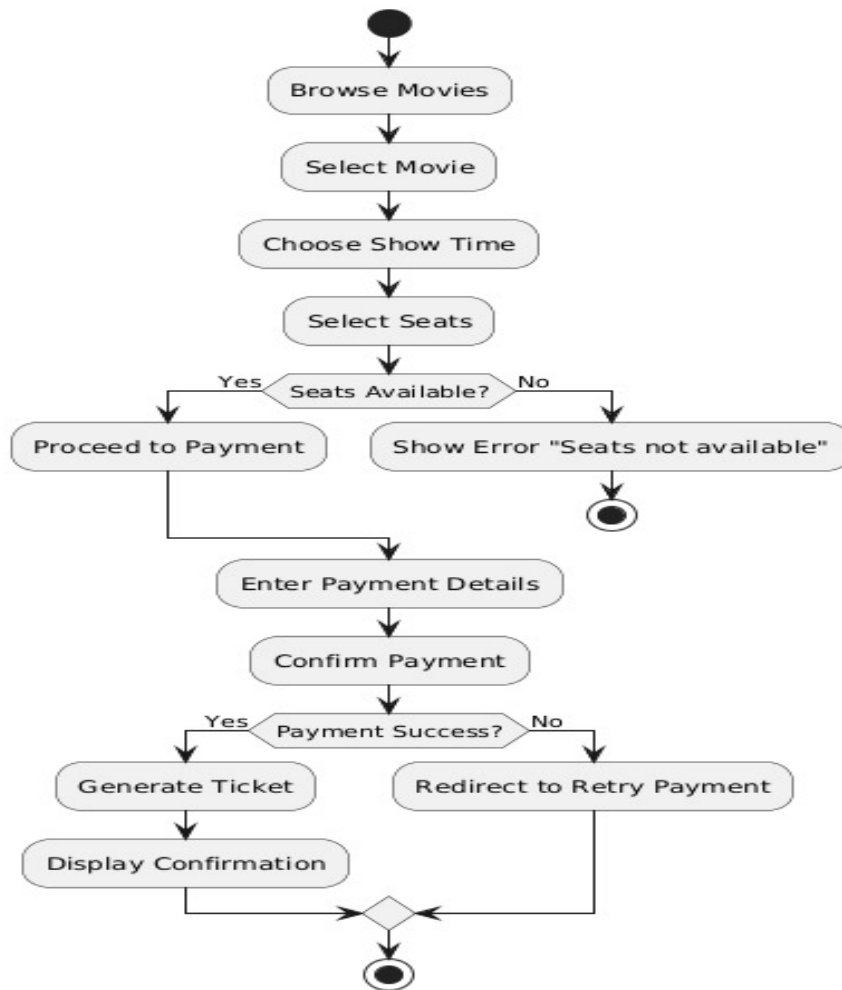## 1. USE CASE DIAGRAM
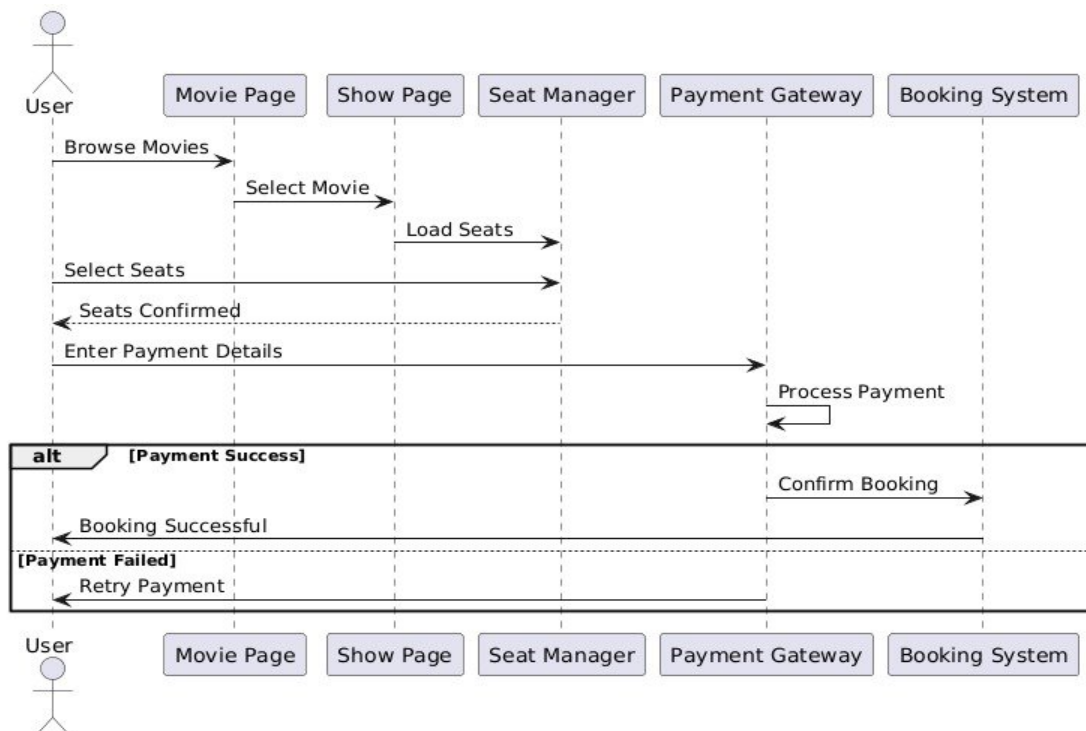

2. CLASS DIAGRAM

3. ACTIVITY DIAGRAM

```
                        ●
                        │
                 ┌──────────────┐
                 │ Browse Movies │
                 └──────────────┘
                        │
                 ┌──────────────┐
                 │ Select Movie  │
                 └──────────────┘
                        │
                 ┌──────────────────┐
                 │ Choose Show Time  │
                 └──────────────────┘
                        │
                 ┌──────────────┐
                 │ Select Seats  │
                 └──────────────┘
                        │
        Yes    ◇ Seats Available? ◇    No
       ┌───────                ────────┐
       │                               │
┌──────────────────┐      ┌─────────────────────────────┐
│ Proceed to Payment│      │ Show Error "Seats not available"│
└──────────────────┘      └─────────────────────────────┘
       │                               │
       │                               ◉
       │
┌──────────────────┐
│ Enter Payment Details│
└──────────────────┘
       │
┌──────────────────┐
│ Confirm Payment   │
└──────────────────┘
       │
  Yes ◇ Payment Success? ◇ No
 ┌──────              ──────┐
 │                          │
┌──────────────┐   ┌──────────────────────────┐
│ Generate Ticket│   │ Redirect to Retry Payment │
└──────────────┘   └──────────────────────────┘
 │                          │
┌──────────────────┐        │
│ Display Confirmation│      │
└──────────────────┘        │
         └──────◇───────────┘
                ◉
```

4. SEQUENCE DIAGRAM

5. STATE MACHINE DIAGRAM

```
                          Start
                            │
                          Home
          Customer starts ╱ │ ╲ Login failed
                        ╱ Admin login ╲
              Browse Movies        Admin Login
                    │                   │ Login success
              Select movie              │
                    │                   │
           View Movie Details      Admin Dashboard
                    │         ╱    │    │    ╲    ╲
              View shows  Add/Edit/Delete  Manage show  View all  Logout
                    │      movies  timings  bookings
              Select Show   Manage    Manage    View All    Admin
                    │       Movies    Shows     Bookings    Logout
              Choose seat                                     │
                    │                                        End
              Select Seat
                    │
              Confirm seat
                    │
           Booking Processing
                    │
              Booking created
                    │
            Payment Process
          Payment OK ╱  ╲ Payment Failed  Retry
         Payment Success  Payment Retry
                    │
            Generate ticket
                    │
           Ticket Generated
                    │
              Write review
                    │
              Add Review
                    │
                 Finish
                    │
                   End
```
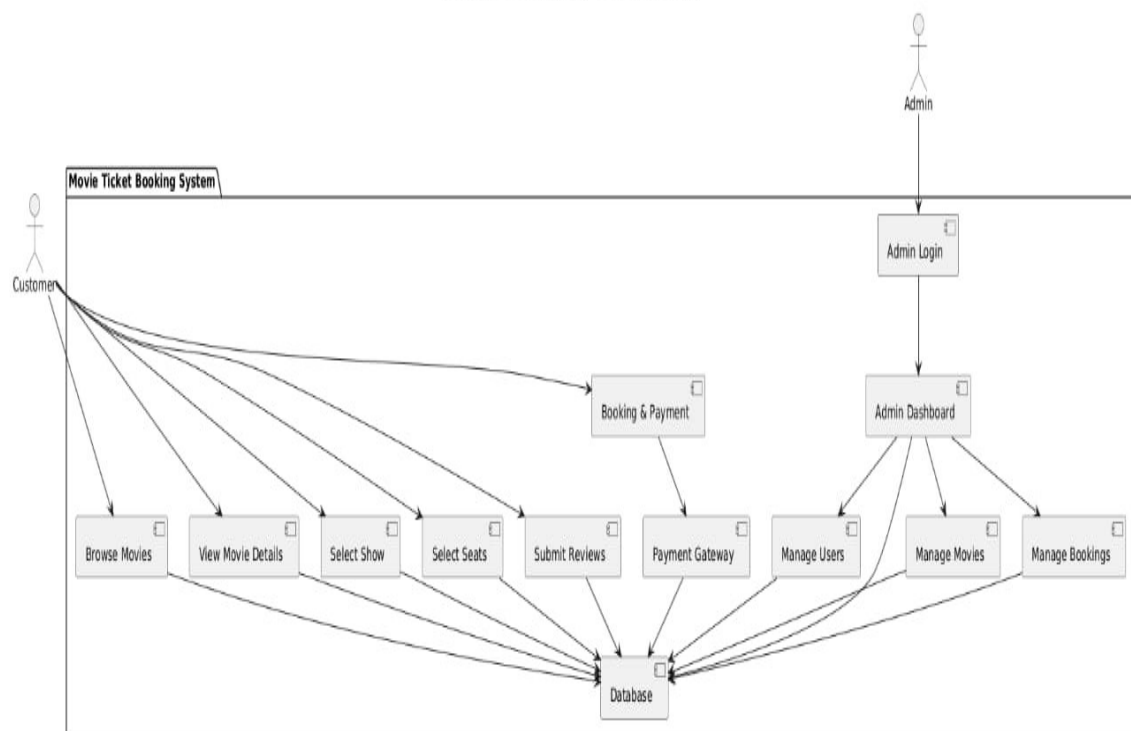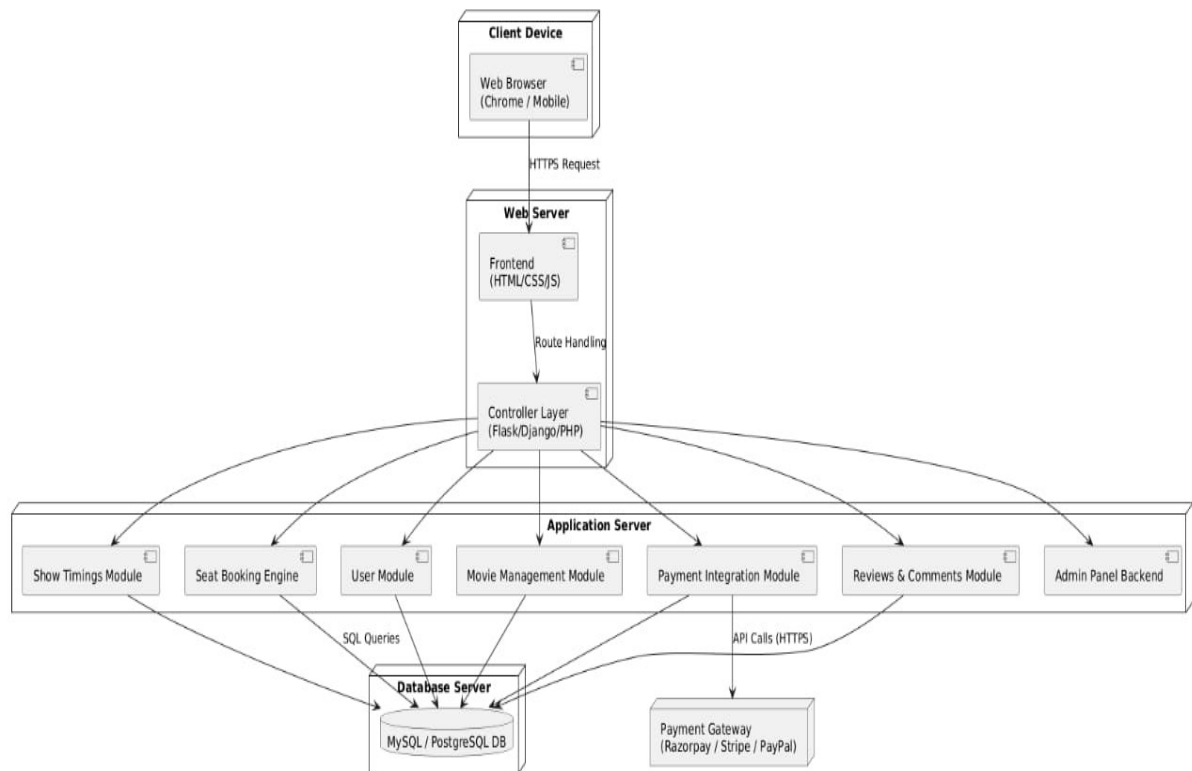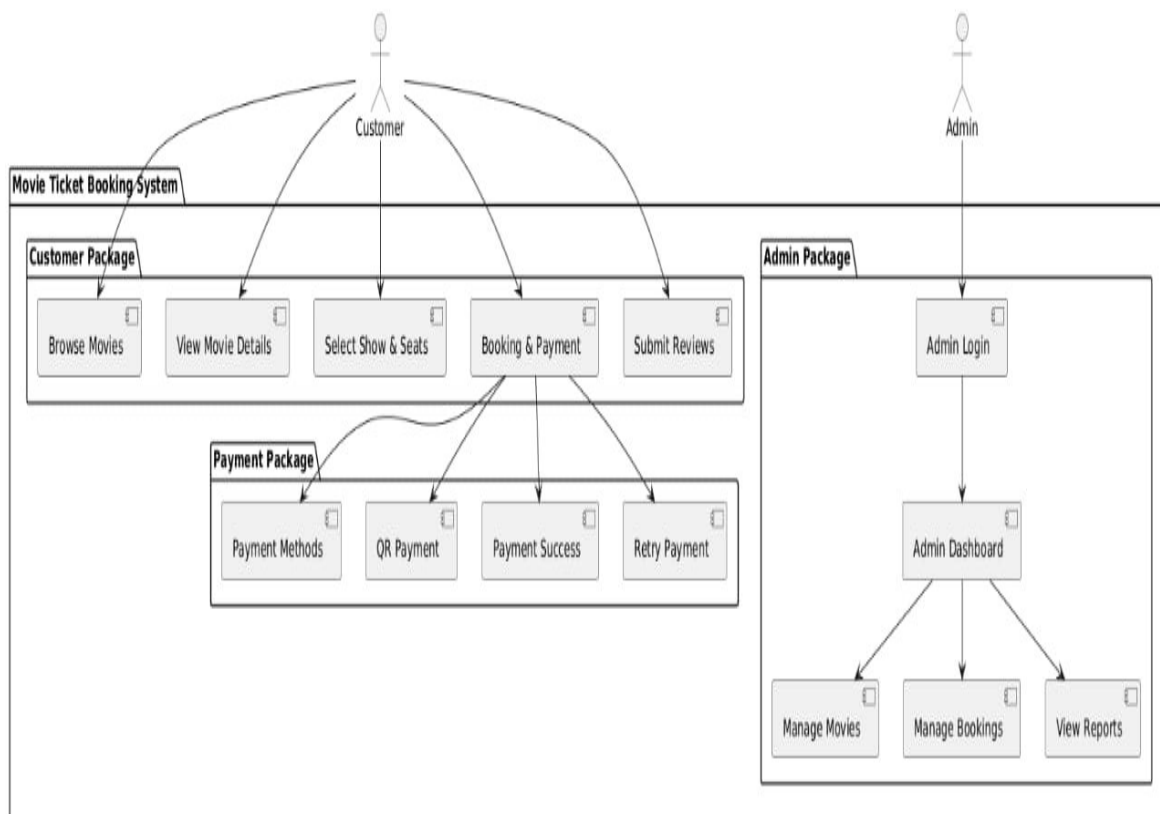
6. COMPONENT DIAGRAM

7. DEPLOYMENT DIAGRAM

8. PACKAGE DIAGRAM

9. COLLABORATION DIAGRAM