



**Gokhale Education Society's  
R. H. Sapat College of Engineering Management  
Studies & Research, Nashik 422005.**

**Department of Computer Engineering**

**PROBLEM BASED LEARNING (PBL)**

**Subject:** Software Modeling and Design (310253)

**Class:** TE Computer

**Semester:** VI

**Faculty:** Dr. Neeta Deshpande

**Group Members**

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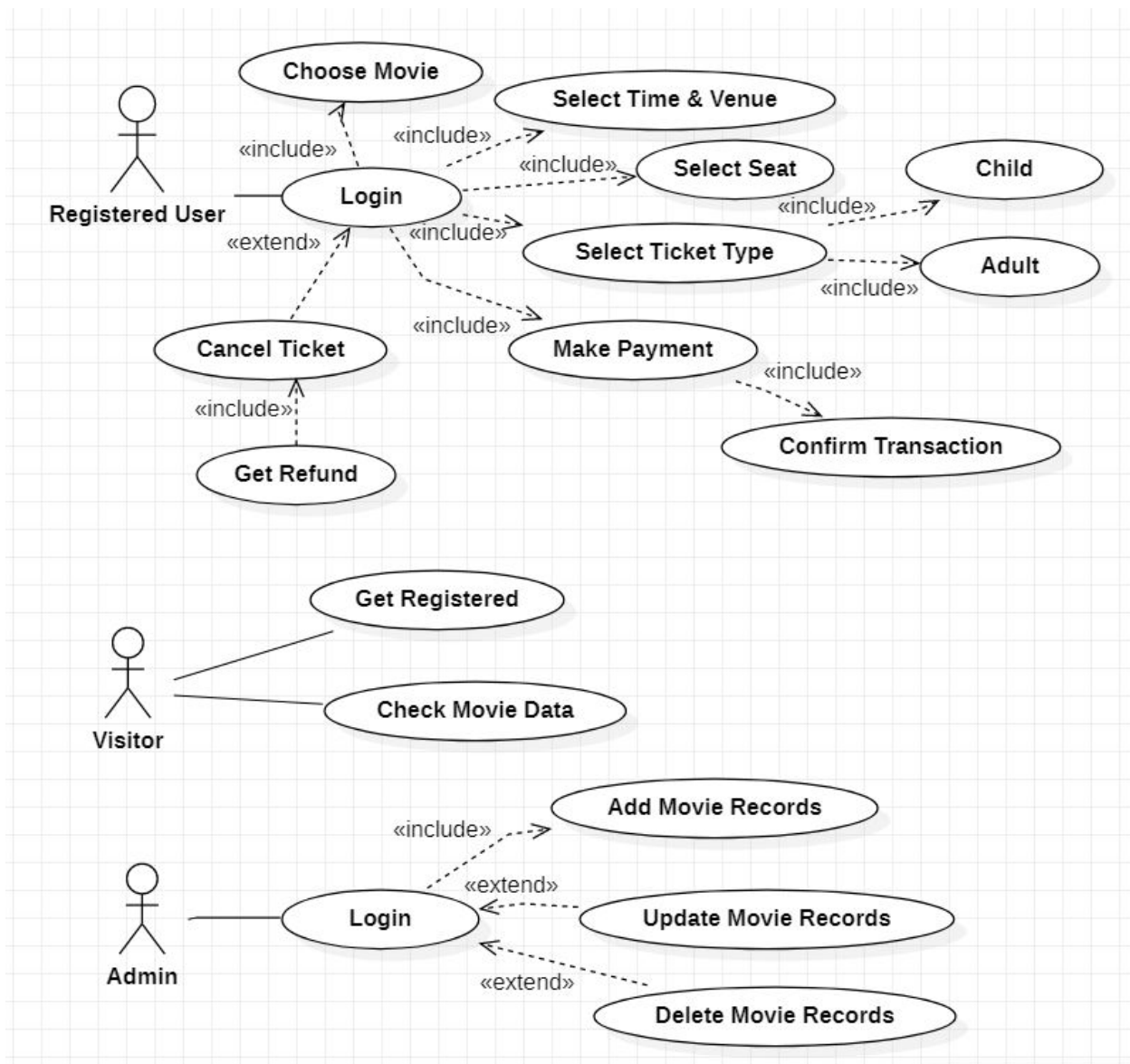
## **PROBLEM STATEMENT:**

### **Online Movie Ticket Booking:**

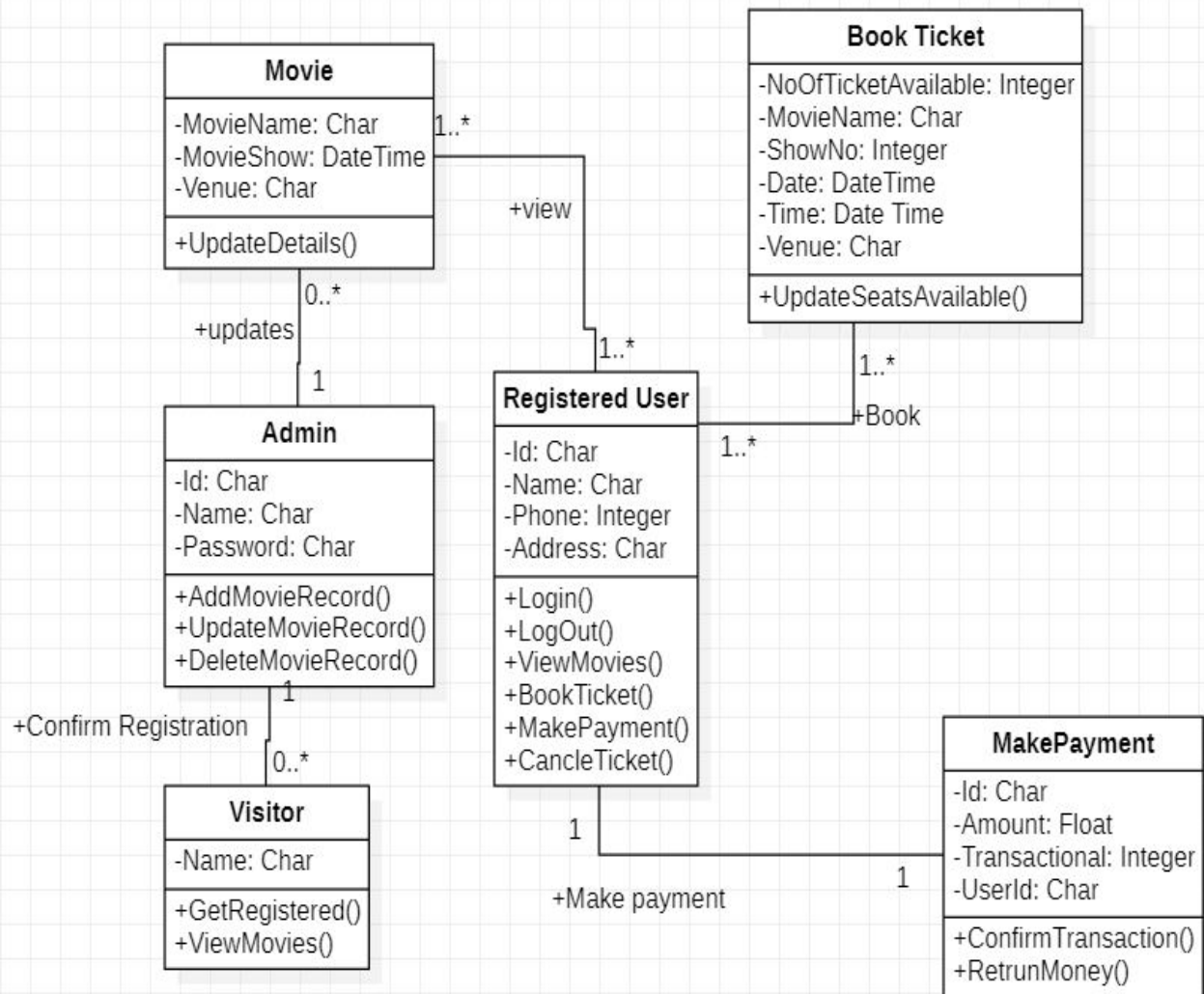
Draw the following UML Diagrams: [1.Use Case, 2.Class, 3.Object, 4.Sequence, 5.Collaboration, 6.Timing, 7.Component, 8.Deployment, 9.Package, 10.State Machine and Activity]

## **SOLUTION:**

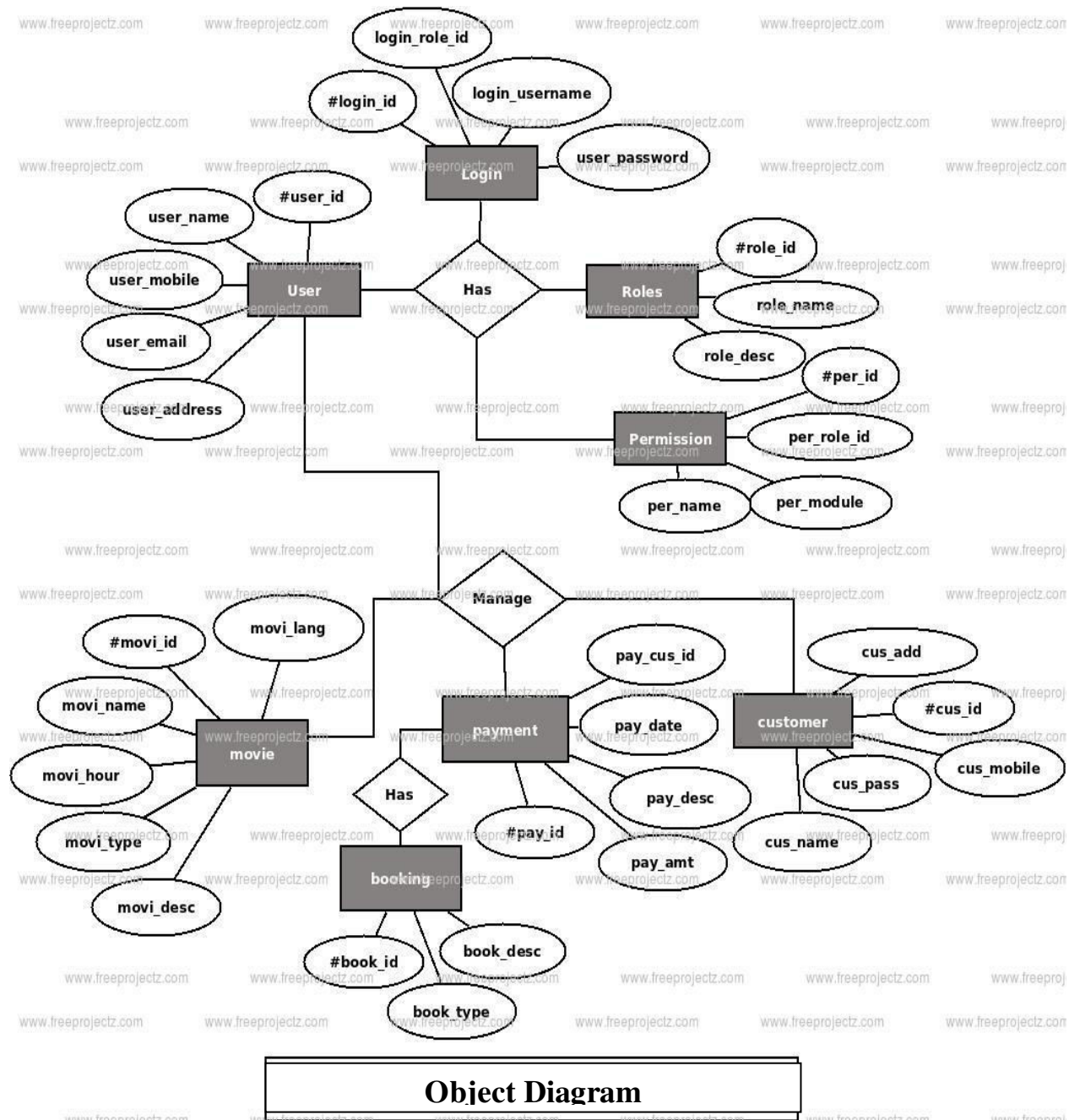
### **1) Use Case Diagram:**



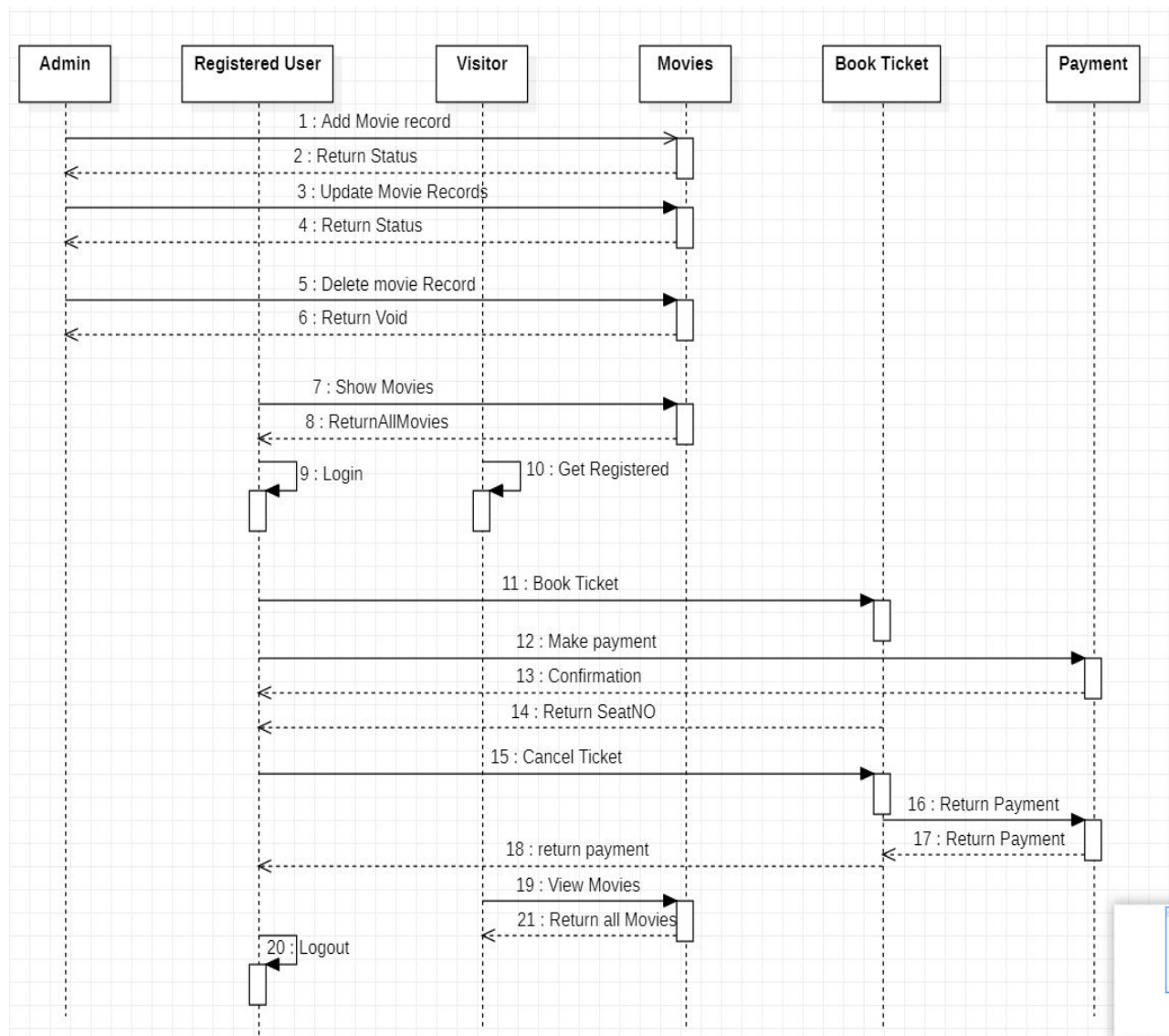
## 2) Class Diagram:



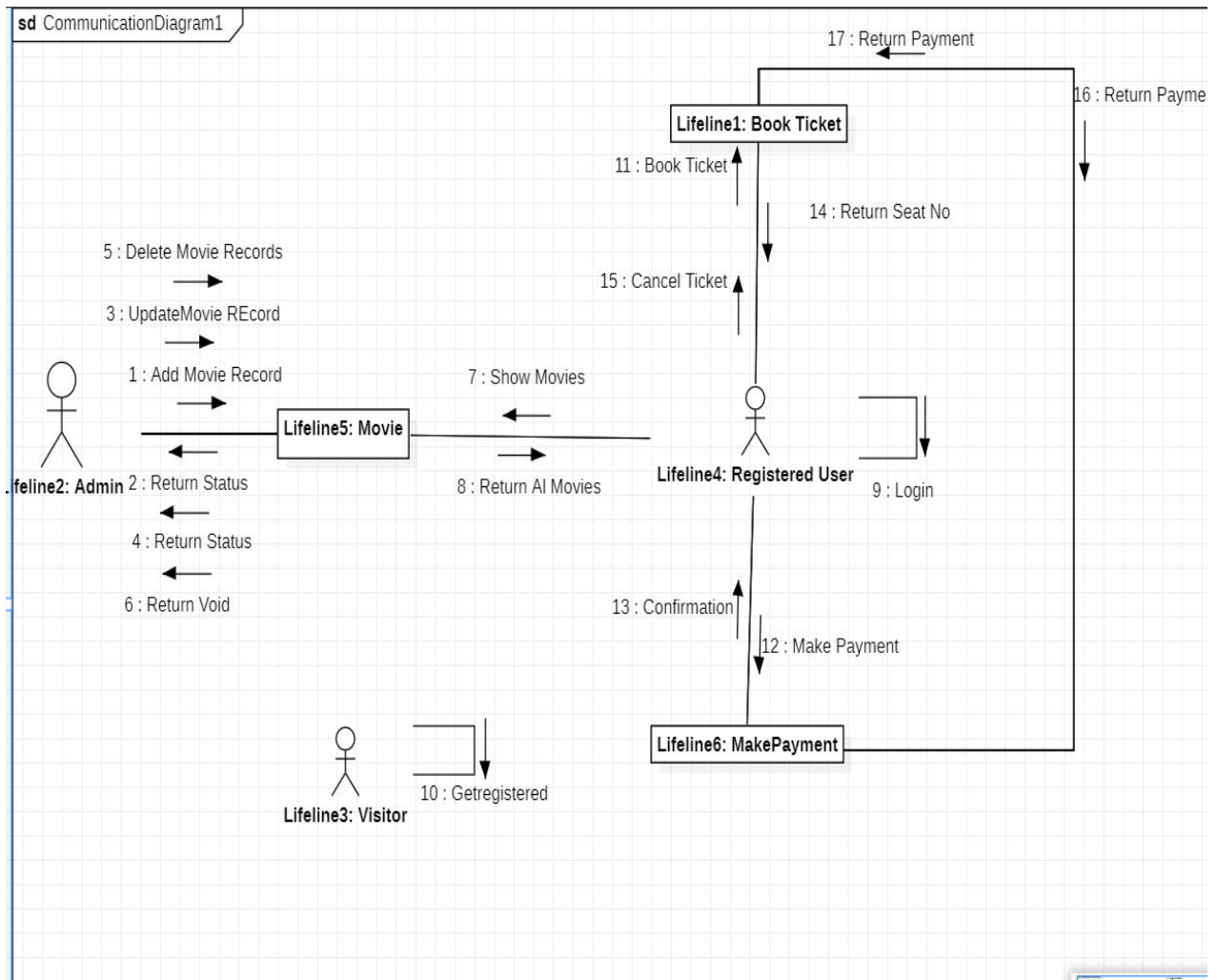
### 3) Object Diagram:



## 4) Sequence Diagram:

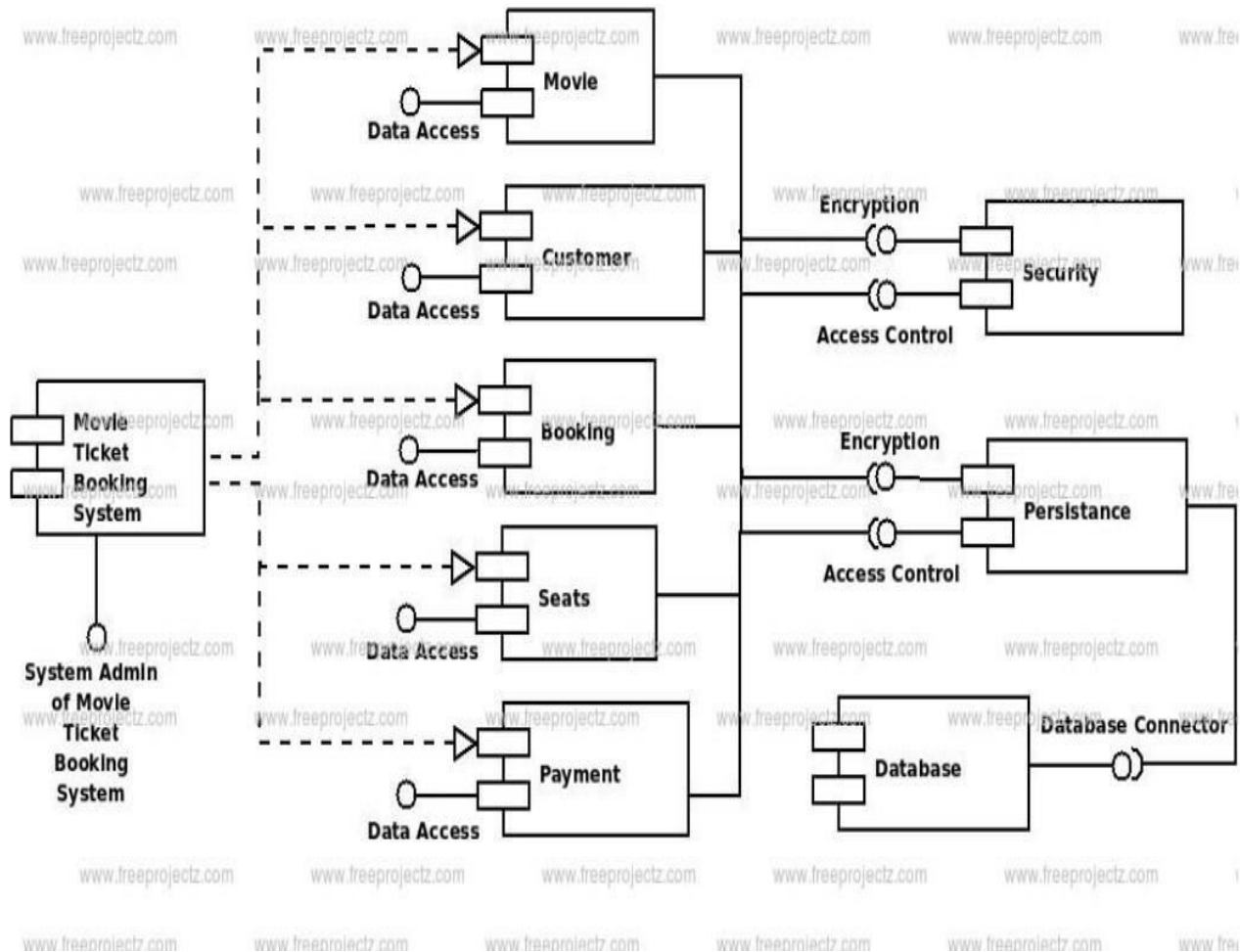


## 5) Collaboration Diagram:

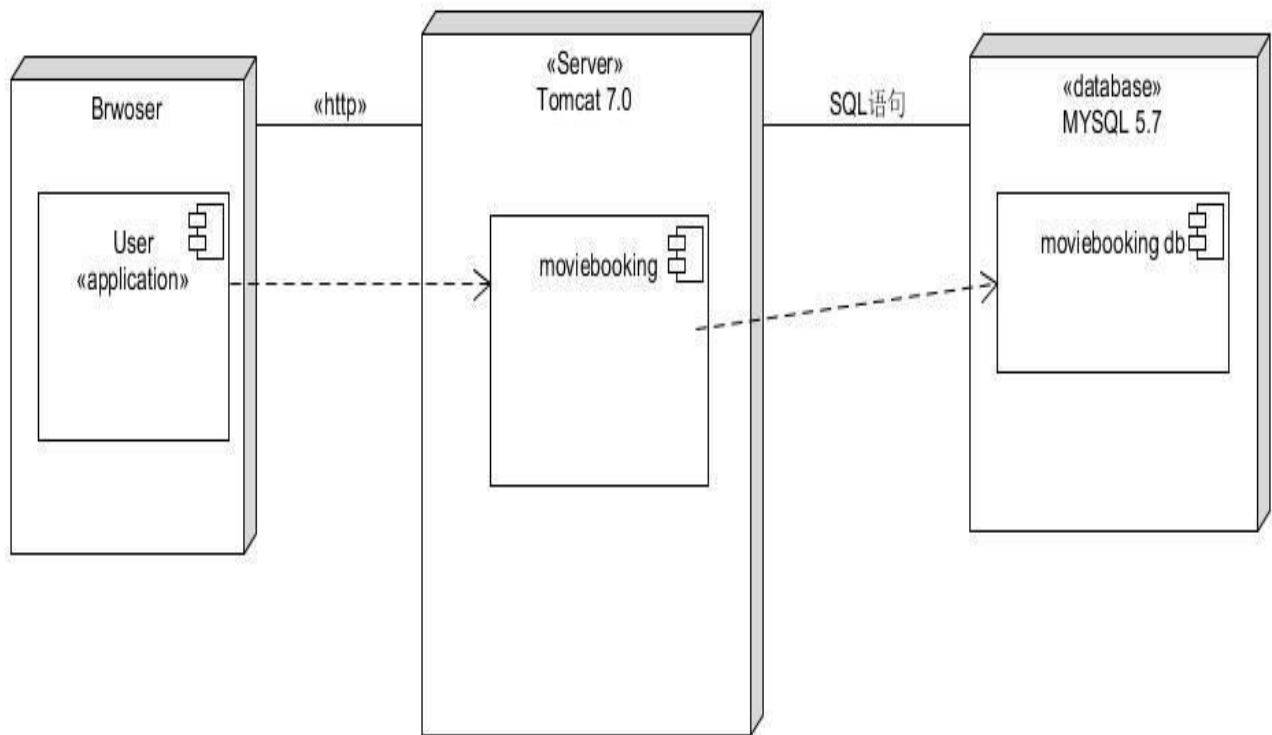


## 6) Component Diagram:

### Component Diagram:

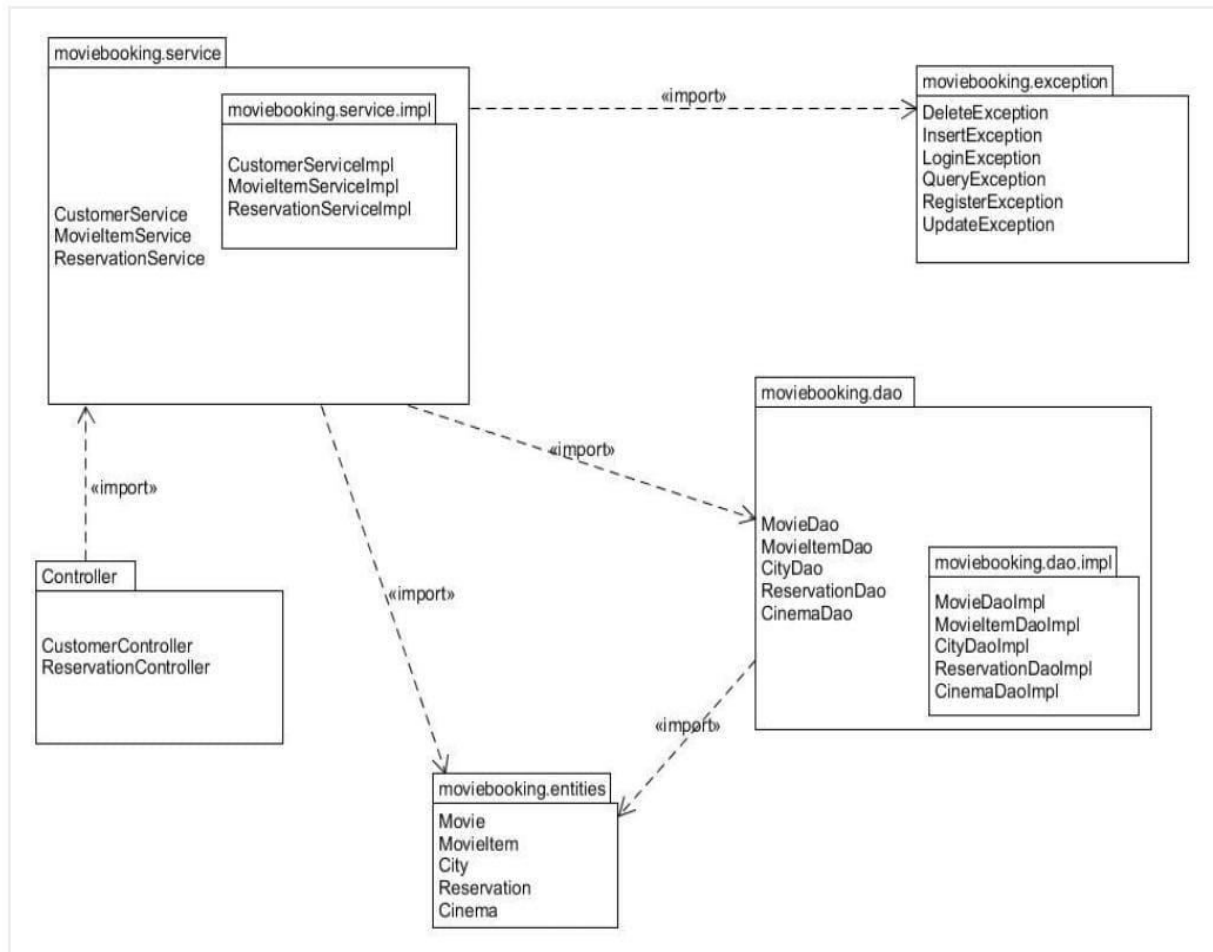


## 7) Deployment Diagram:





## 8) Package Diagram:



## 9) State Machine and Activity:

