1. Apply the knowledge of SRS and prepare Software Requirement Specification (SRS) document in IEEE format for the project.

2. Sketch a DFD (up to 2 levels) for Student Management System

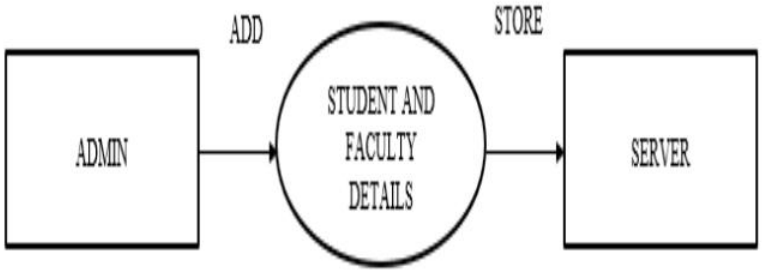


Figure 1: DFD Level 0

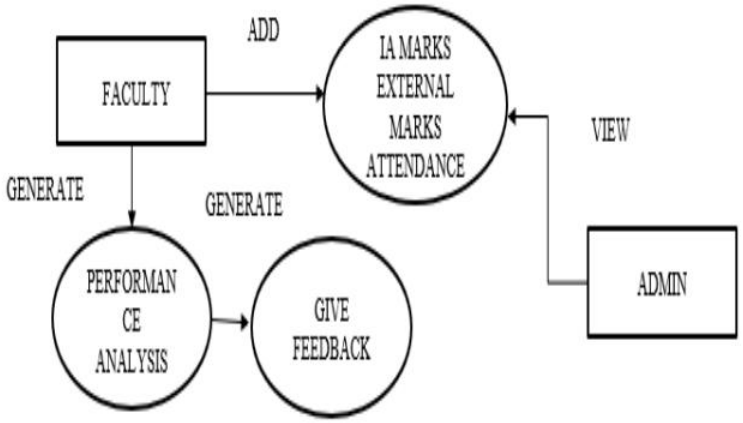


Figure 2: DFD Level 1

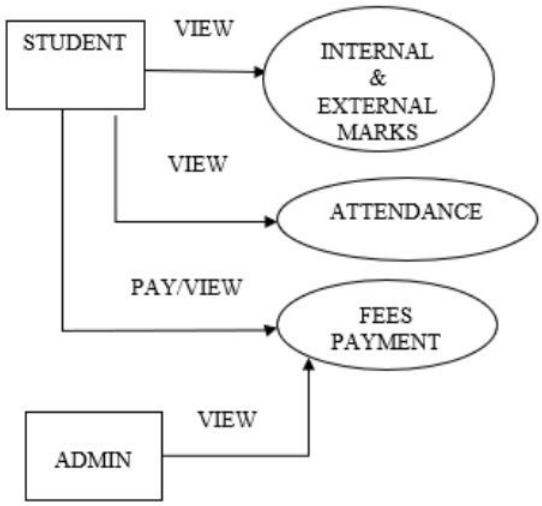
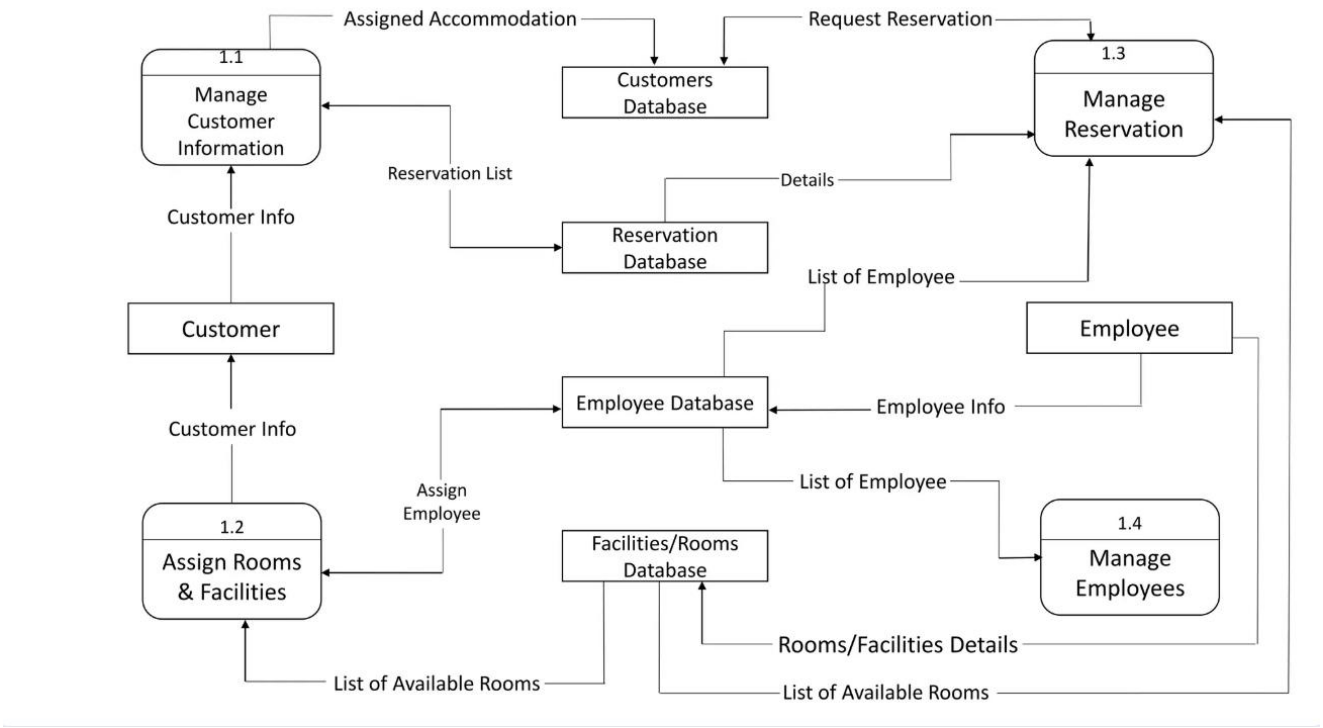
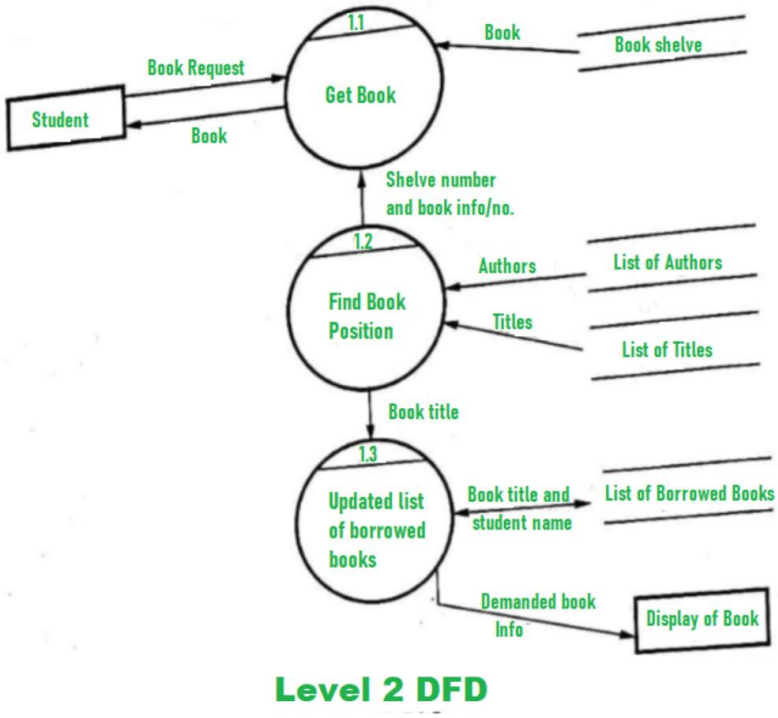


Figure 3: DFD Level 2

3. Sketch a DFD (up to 2 levels) for Hotel Management System



4. Sketch a DFD (up to 2 levels) for Library Management System

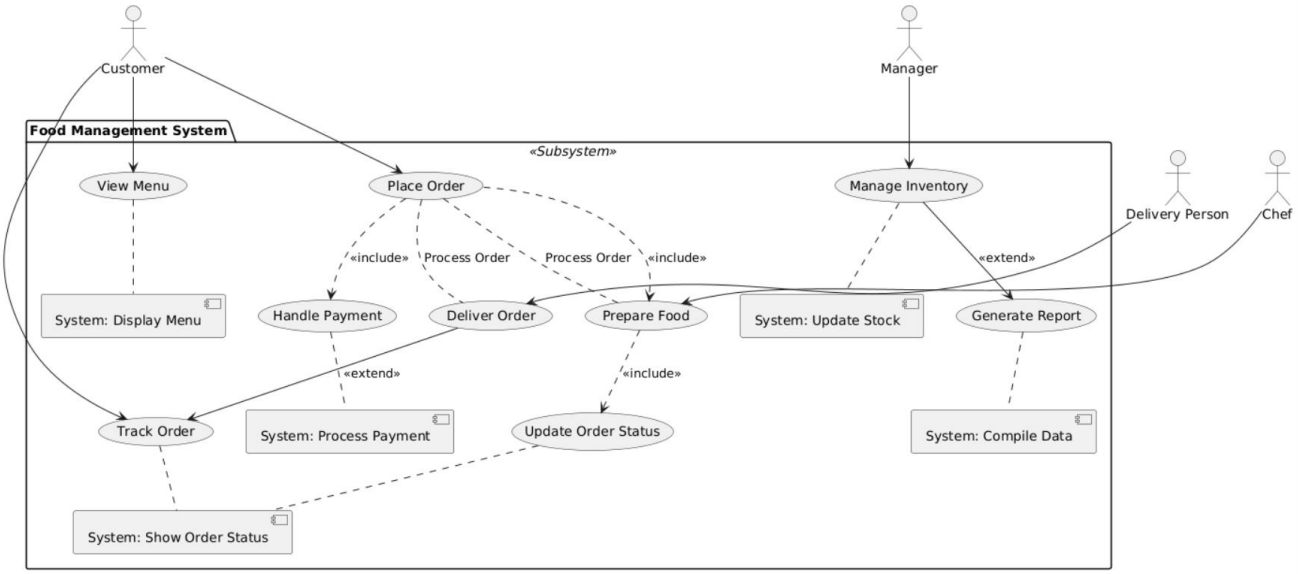


Level 2 DFD

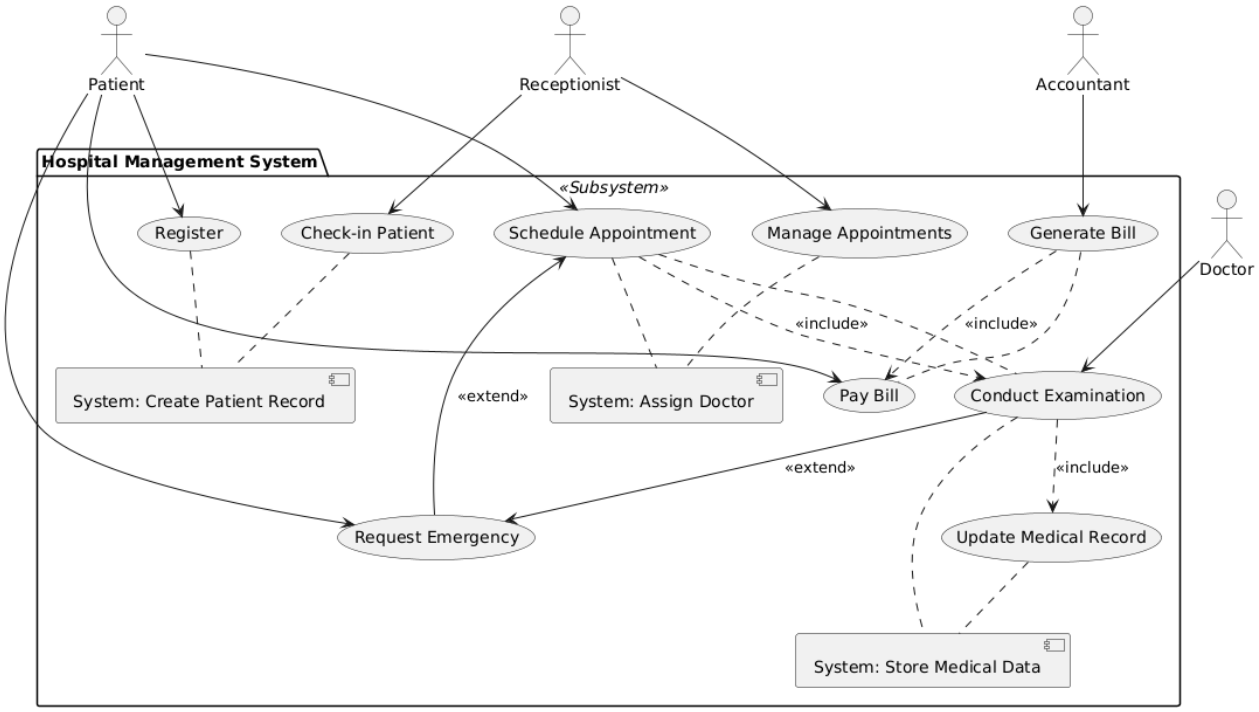
5. Sketch a DFD (up to 2 levels) for Railway Management System

Ans: https://www.youtube.com/watch?v=9255m-IIy2E

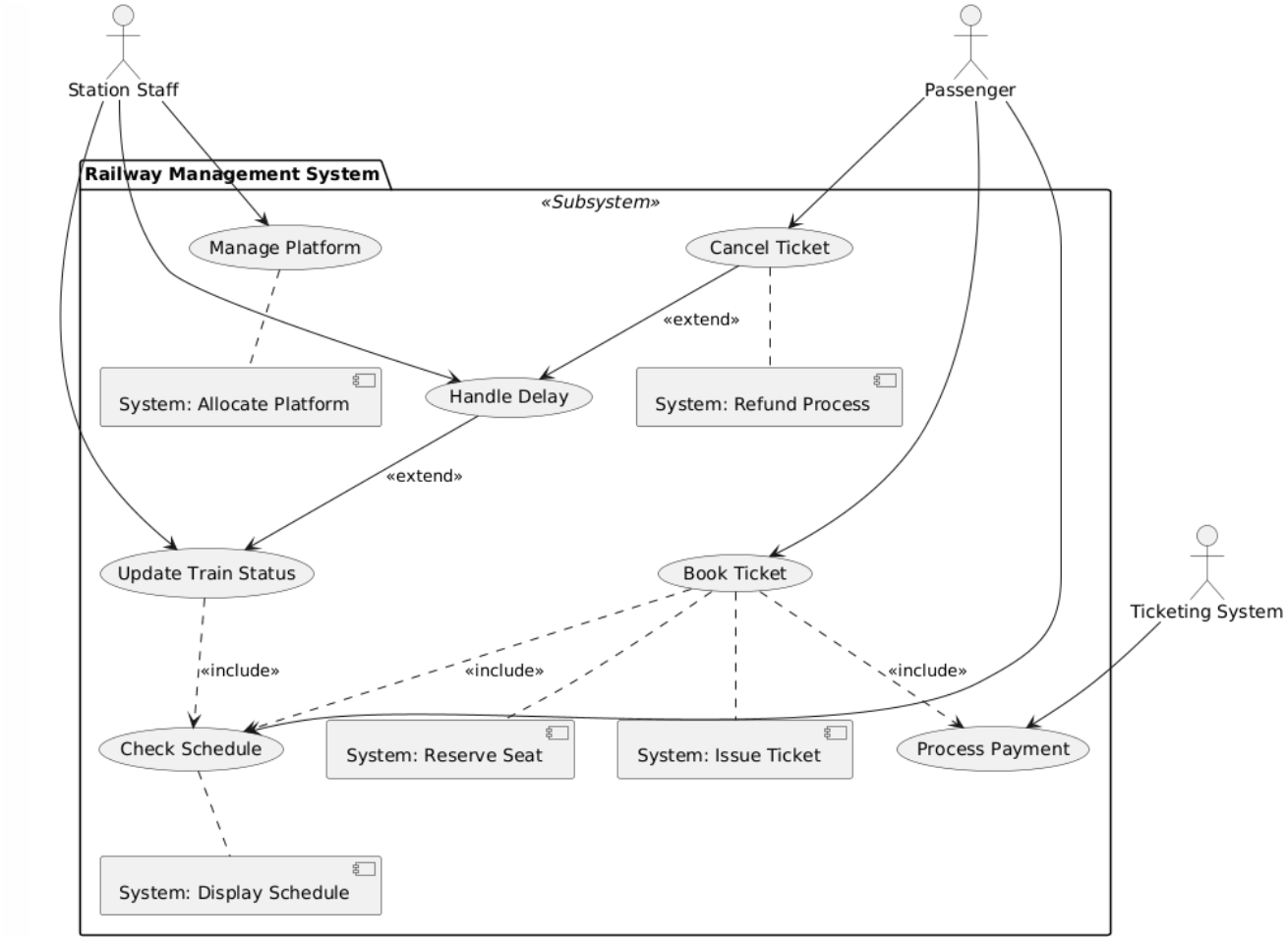
6. Sketch UML Use case Diagram for Food Management System.



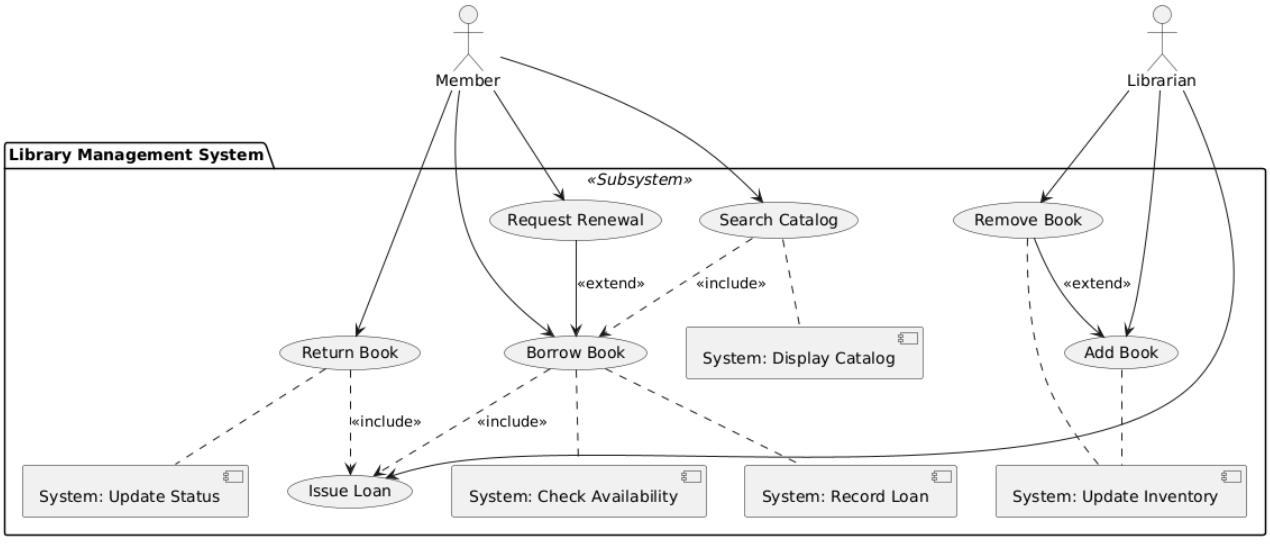
7. Sketch UML Use case Diagram for Hospital Management System.



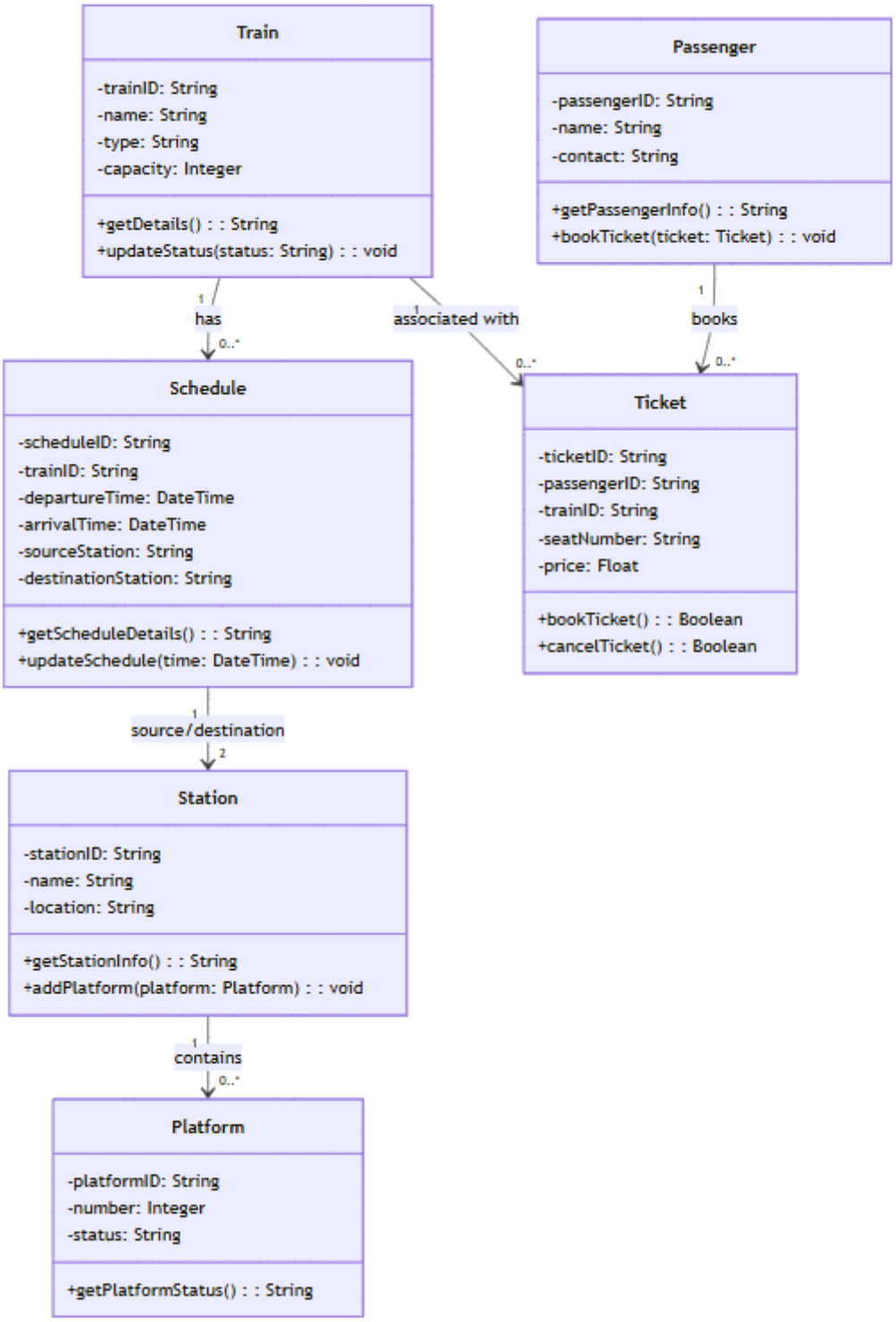
8. Sketch UML Use case Diagram for Railway Management System.



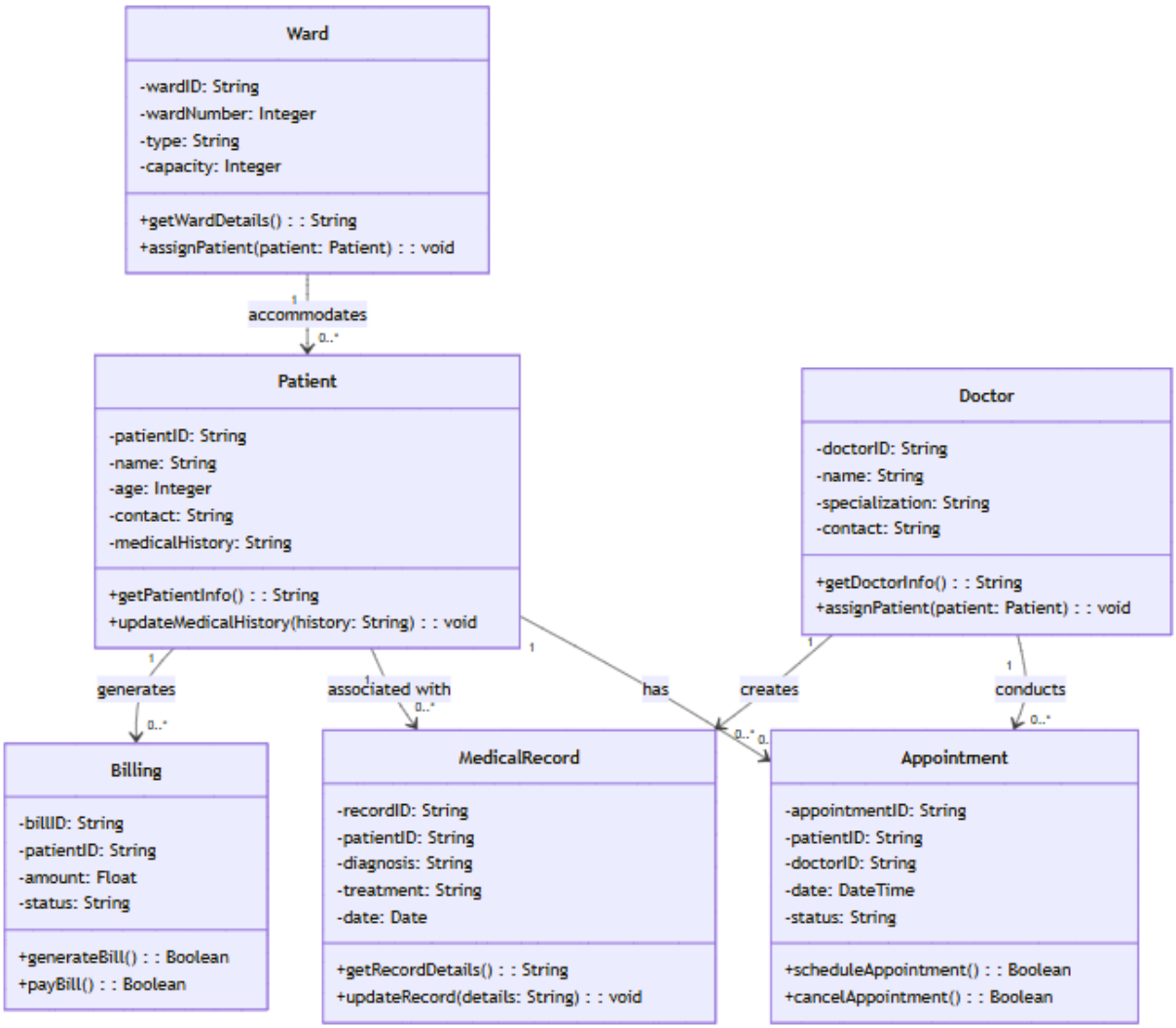
9. Sketch UML Use case Diagram for Library Management System.



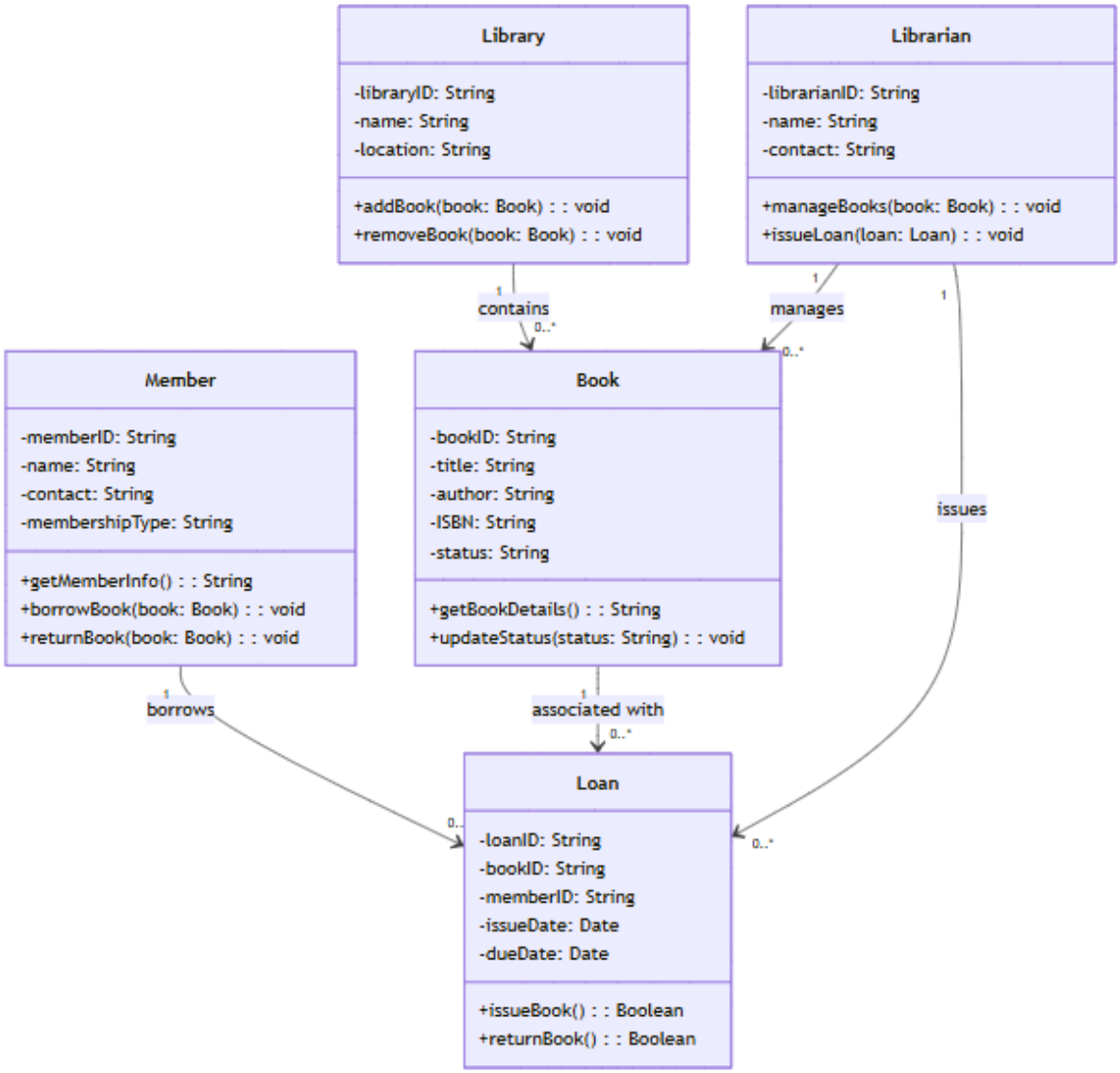
10. Sketch a Class Diagram for Railway Management System.



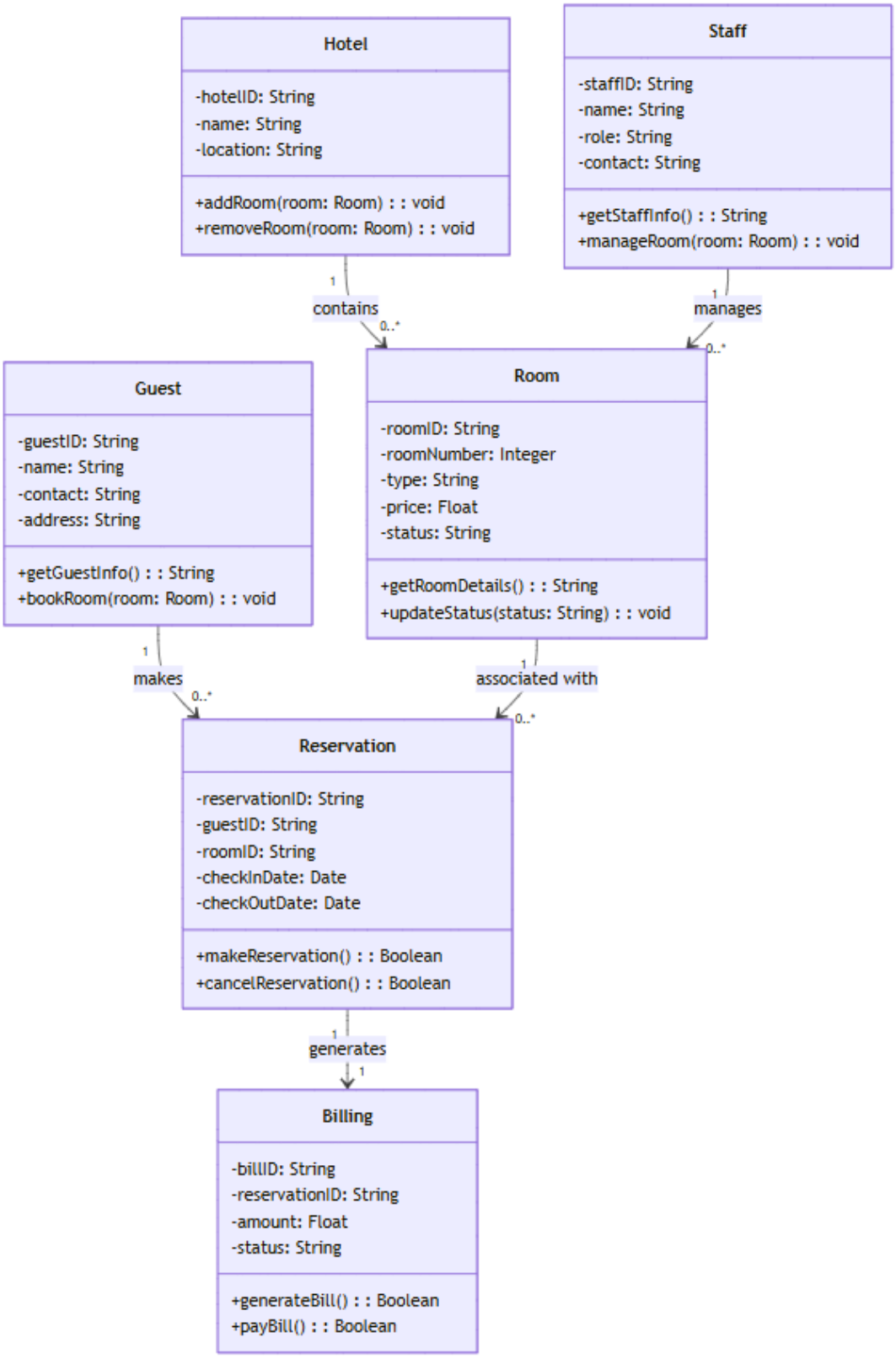
11. Sketch a Class Diagram for Hospital Management System.



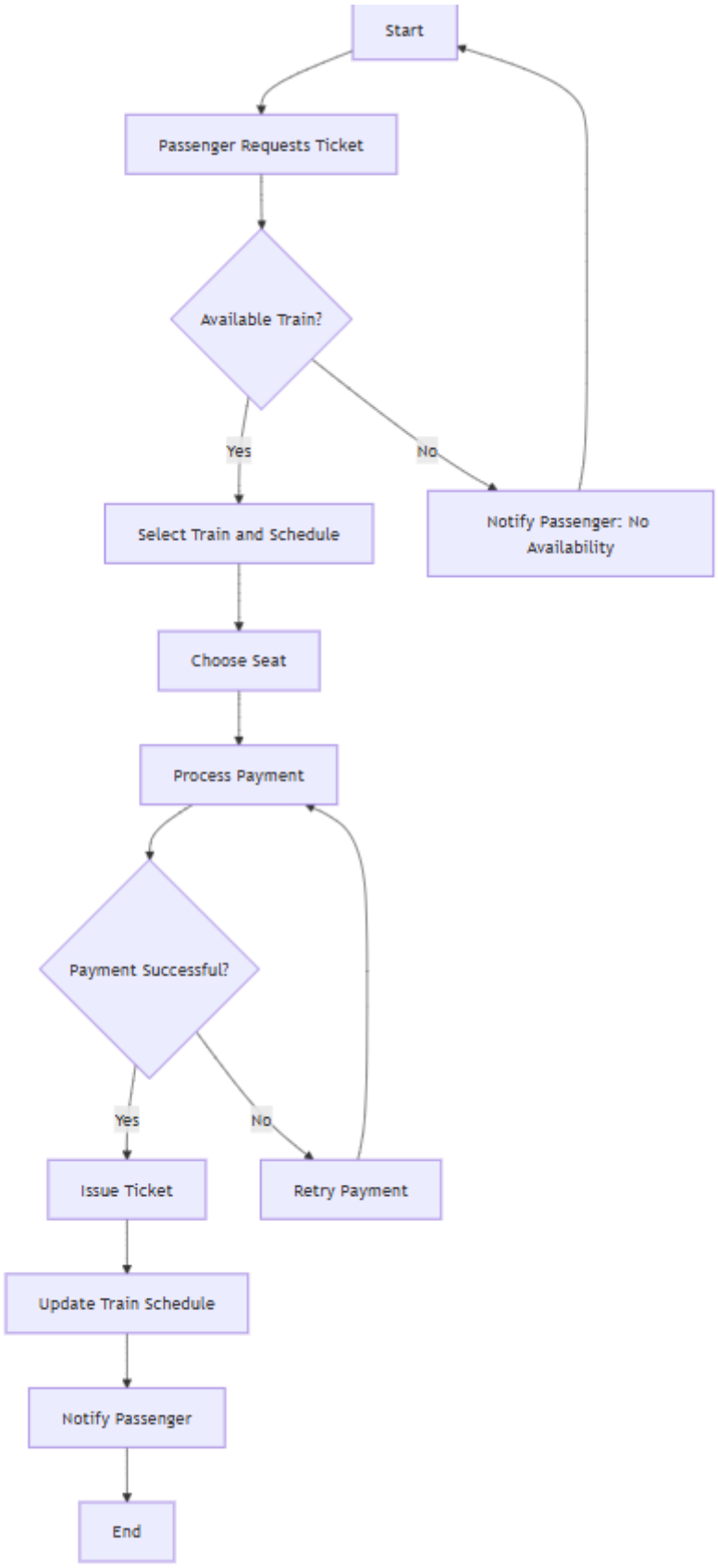
12. Sketch a Class Diagram for Library Management System.



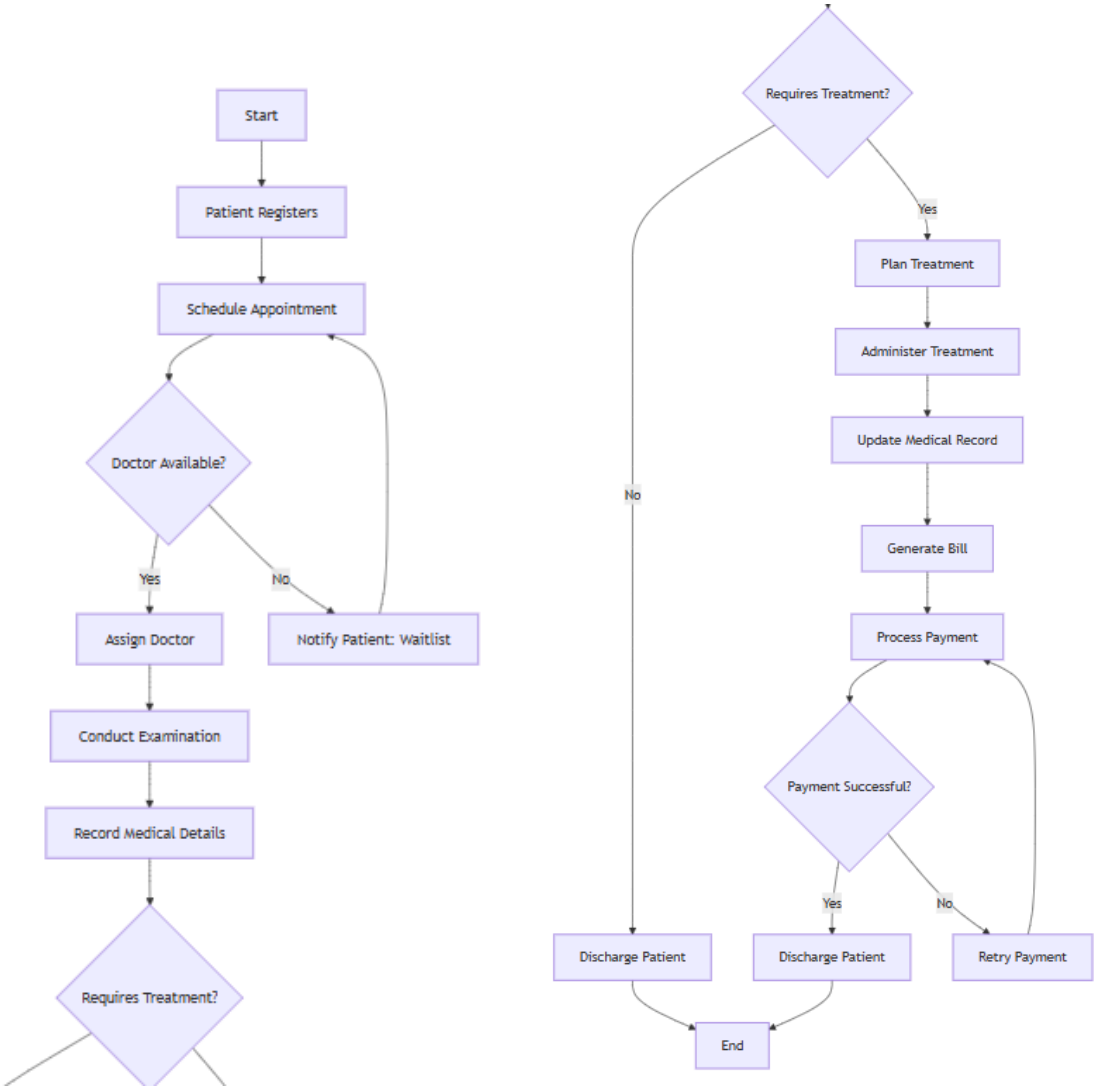
13. Sketch a Class Diagram for Hotel Management System.



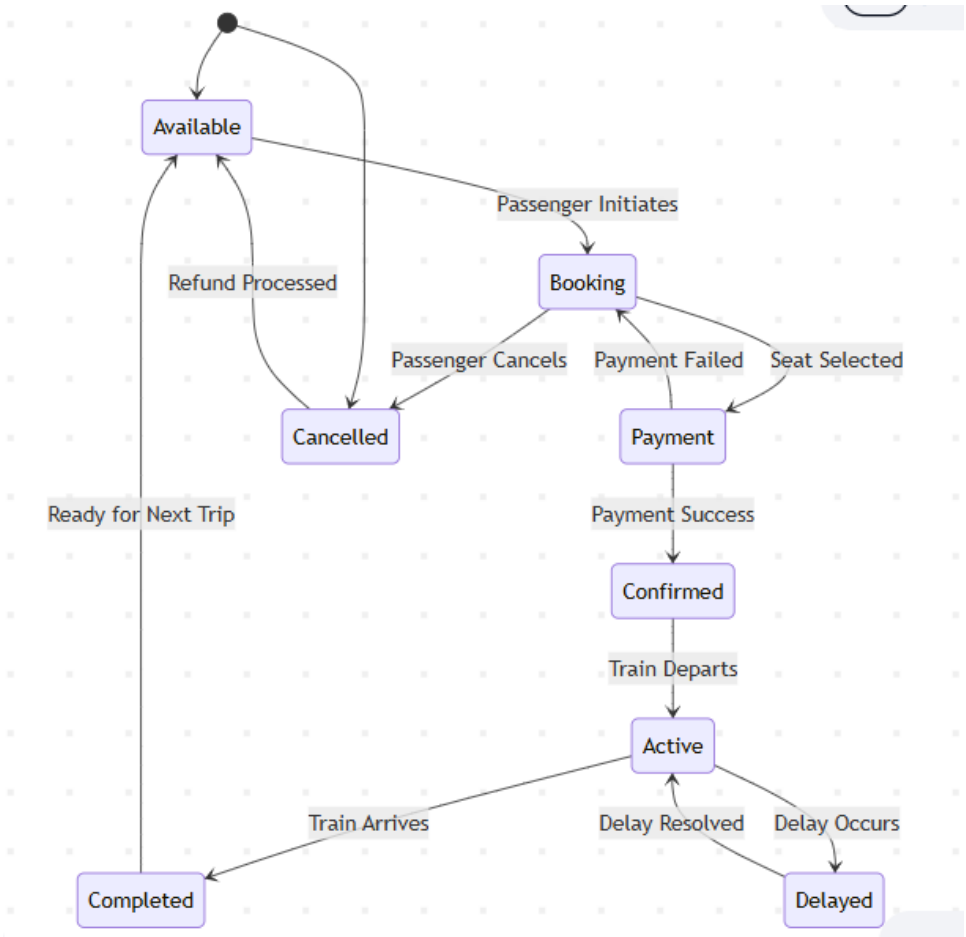
14. Sketch Activity diagram for Railway Management System.



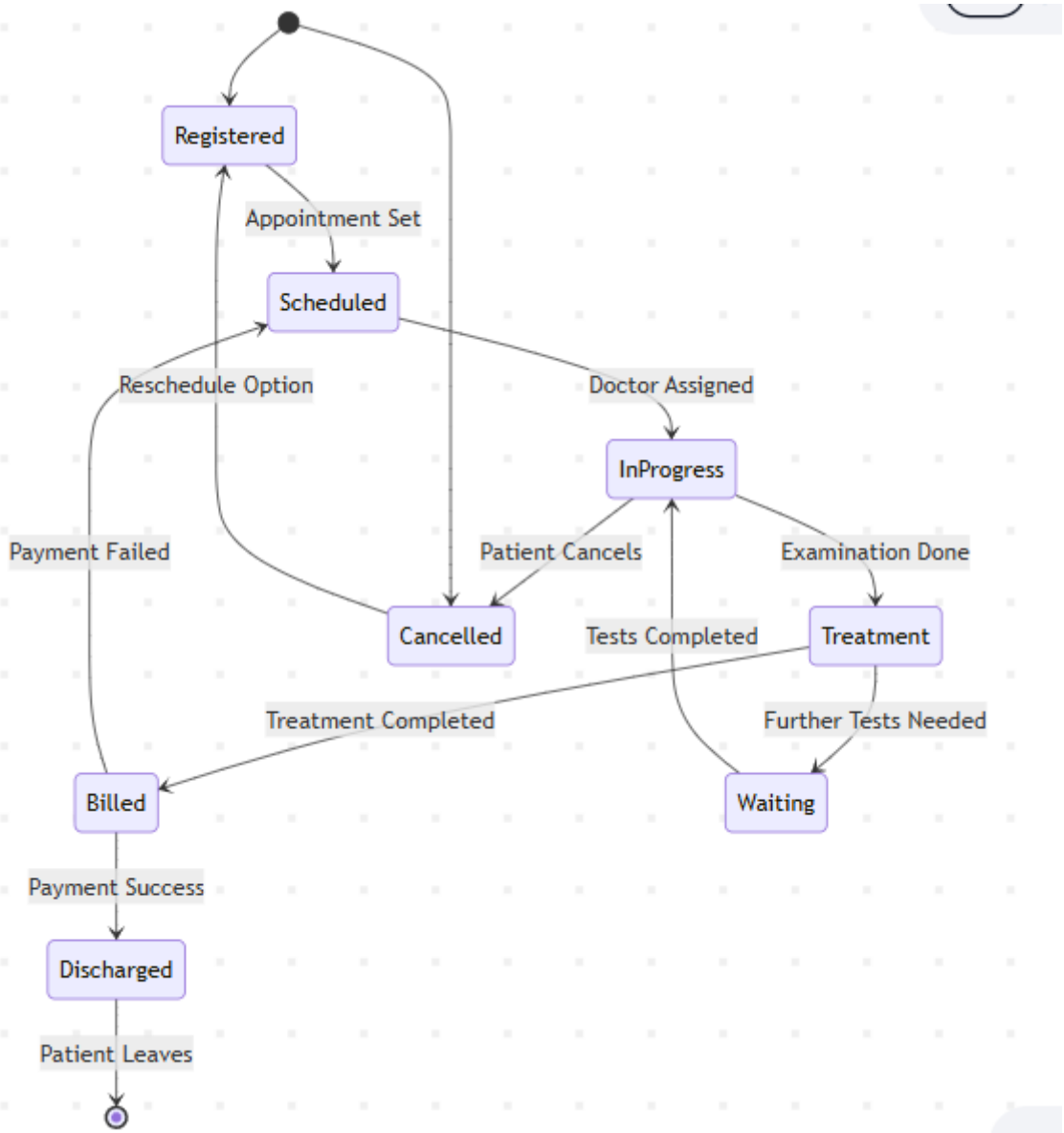
15. Sketch Activity diagram for Hospital Management System.



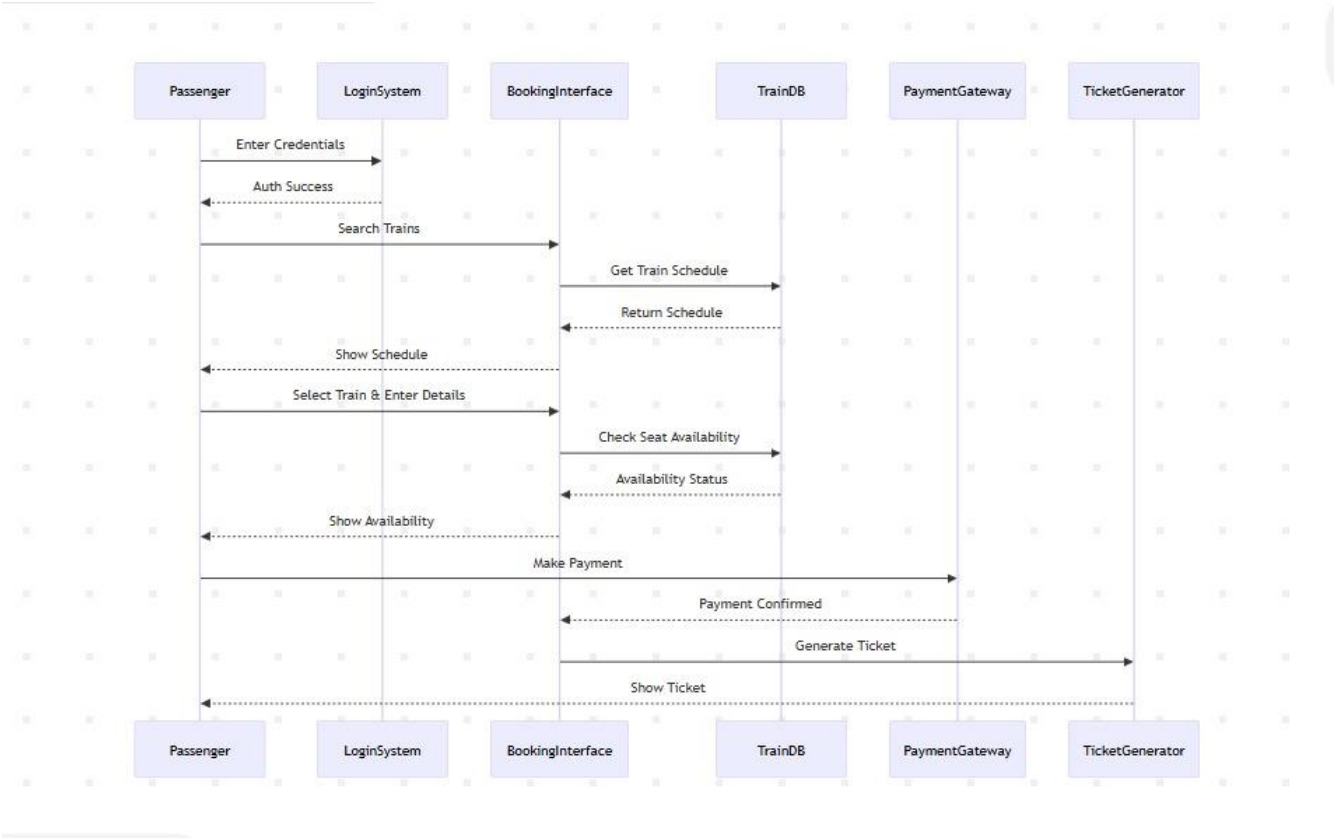
16. Sketch State Transition diagram for Railway Management System.



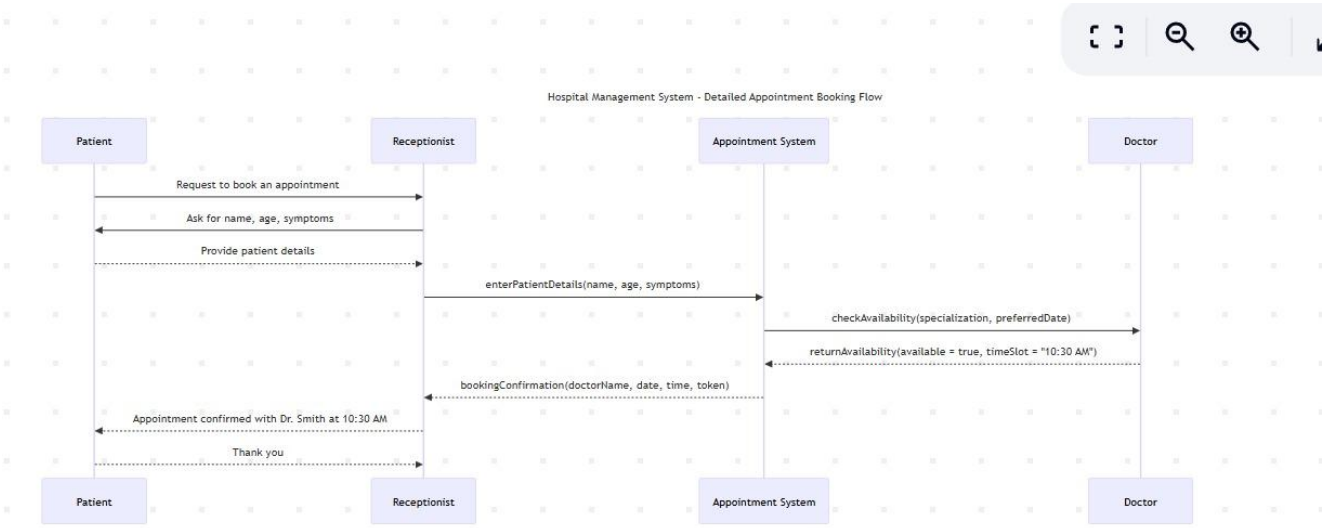
17. Sketch State Transition diagram for Hospital Management System.



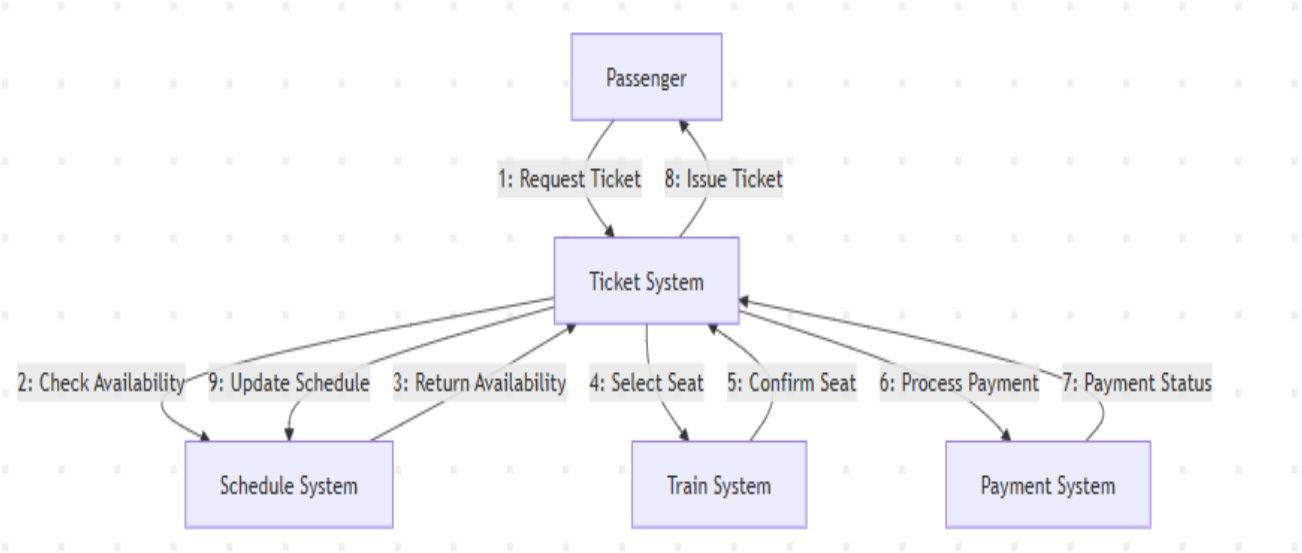
18. Sketch Sequence diagram for Railway Management System



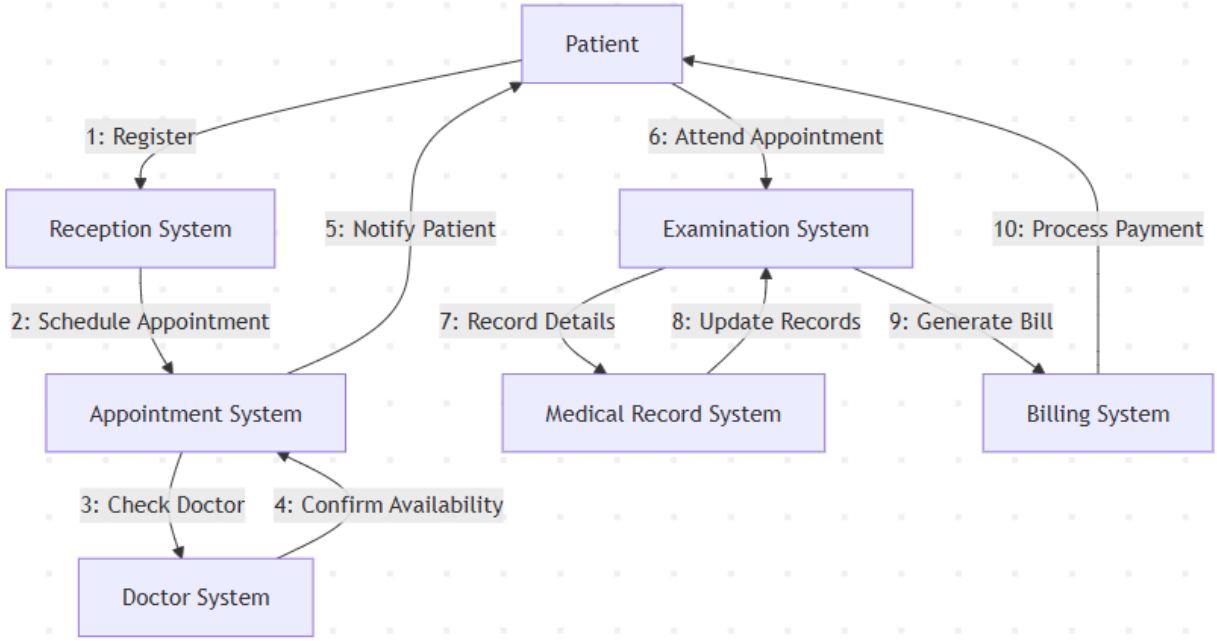
19. Sketch Sequence diagram for Hospital Management System.



20. Sketch Collaboration diagram for Railway Management System



21. Sketch Collaboration diagram for Hospital Management System.



22. Use project management tool to prepare schedule for the project.

23. Change specification and use any SCM Tool to make different versions

24. Design test cases and generate test scripts in Selenium