CS331 : PROJECT

Online Railway Reservation System

Software Engineering Project

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1.1 Objective:

The purpose of this source is to describe the railway reservation system which provides the train timing details, reservation, billing and cancellation on various types of reservation namely,

• Confirm Reservation for confirm Seat.

• Reservation against Cancellation.

• Waiting list Reservation.

• Online Reservation.

• Tatkal Reservation.

The origin of most software systems is in the need of a client, who either wants to automate the existing manual system or desires a new software system. The software system is itself created by the developer. Finally, the end user will use the completed system. Thus, there are three major parties interested in a new system: the client, the user, and the developer. Somehow the requirements for the system that will satisfy the needs of the clients and the concerns of the users have to be communicated to the developer. The problem is that the client doesn’t usually design the software or the software development process and the developer does not understand the client’s problem and the application area. This causes a communication gap between the parties involved in the development of the project.

The basic purpose of Software Requirement Specification (SRS) is to bridge this communication gap. SRS is the medium through which the client’s and the user’s needs are accurately specified; indeed SRS forms the basis of software development.

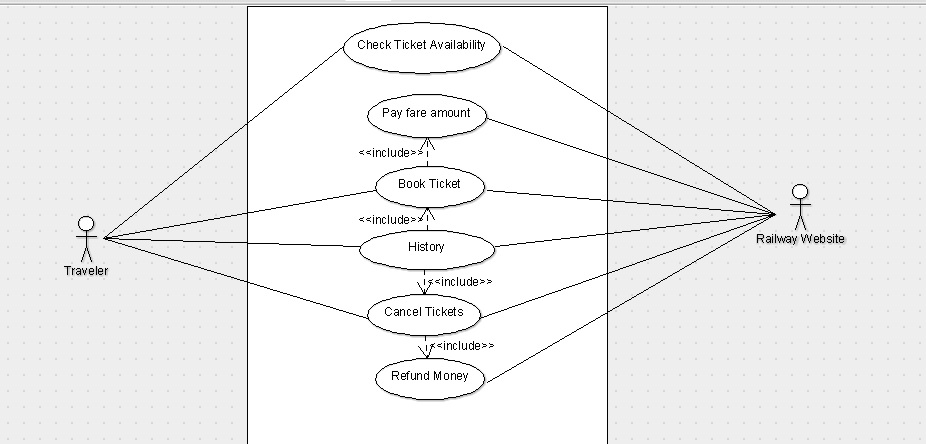
Another important purpose of developing an SRS is helping the clients understanding their own needs. An SRS establishes the basis for agreement between the client and the supplier on what the software product will do.

An SRS provides a reference for validation of the final product.A high quality SRS is a prerequisite to high quality software and it also reduces the development cost.

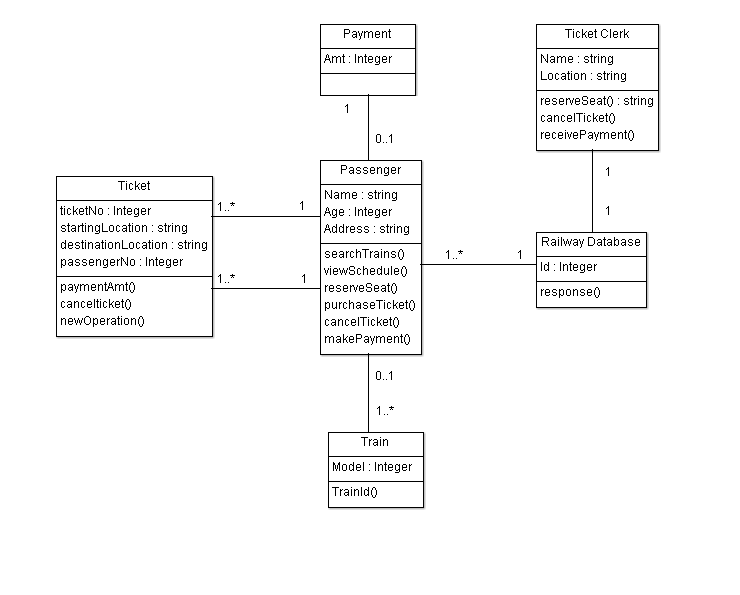
A few factors that direct us to develop a new system are given below -:

1. Faster System
2. Accuracy
3. Reliability
4. Informative
5. Reservations and cancellations from anywhere to any place

Use-case Diagram

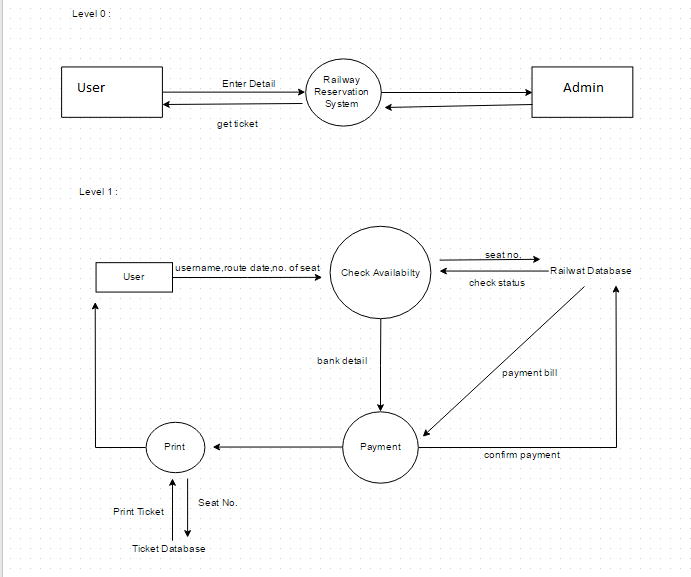


Class Diagram

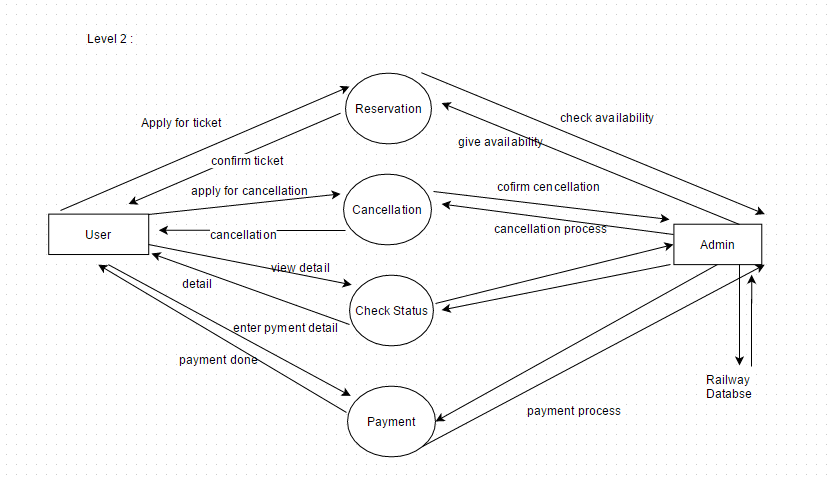


DATA FLOW DIAGRAM

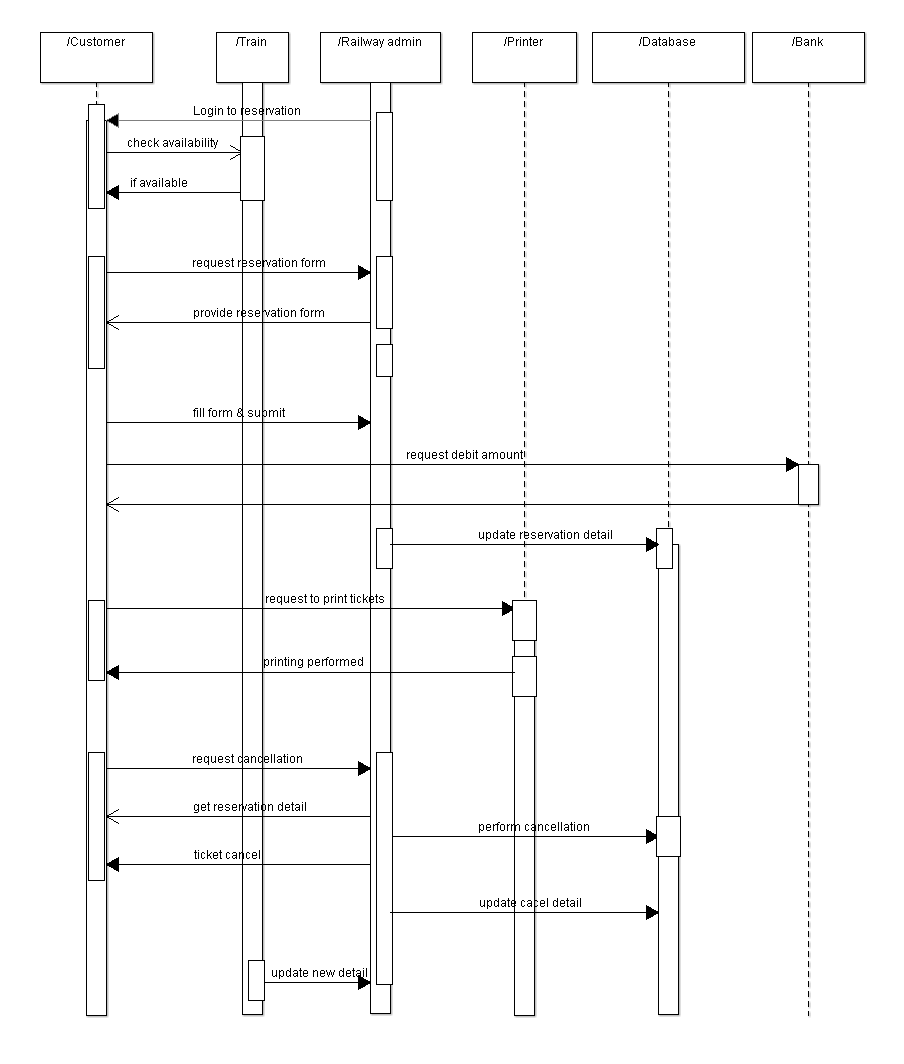
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SEQUENCE DIAGRAM



STATE DIAGRAM

