

# Seminar Hall Booking In Java Using JSP And Servlet

**Aim:-** This project is designed to automate the process of booking a hall for the seminars and managing the whole process online. It will help in booking for both small and large scales seminars gatherings.

**Overview:-** It is a multi-role application project i.e. single Admin and multiple User, where Admin will have the main control over the System. Admin will be responsible for keeping a check on the booking of seminar halls, and management of the system. On the other Hand, Users can register themselves, log in using the login credentials, view and book the hall, view booking charges and rates ,plants , etc.

The whole project is developed using Servlet and JSP. At the front end, we have used HTML,CSS, and Bootstrap. At the data access layer, we have used JDBC API. The Database used here is MYSQL. The whole project is following the MVC (Model View & Controller) design pattern.

**Abstract:-** Online bookings and reservations have seen exponential growth in the last few years. Everything from booking tickets to venues is done online. So, why not have a Seminar Hall Booking system. Instead of wandering places to book a perfect venue for the seminars, one can book it online at their convenience.

Seminar halls are suitable for both small and large-scale gatherings like lectures, conferences, meetings, training,presentations, and other performances.

Users can register themselves and then book the hall for the event, explore the venues make payments, etc. Users can find detailed information about the seminar halls & packages on the system after logging in.

**The following are the major objective of this application:**

- To provide a bug-free application.
- The main objective is to build a secured, robust Seminar Hall Booking System.
- It maintains the record of seminar halls, Users, Payments, Bookings & history, etc.

## Modules in Seminar Hall Booking System

**Admin module:-** This module will allow Admin to log in to the system and manage the system and its functions. Admin can View/Confirm/Cancel bookings, manage hall venues, payments, users, etc.

**User module:-** In this module, a user can register themselves first using their name, contact number, and address and also, can manage their profile. The user module will allow users to log in to the system using their names & contact number. Users can view their booked halls, payment status, history, etc.

**Booking Module:-** In this module, Users can do the booking for the event in advance. Users can mention all the requirements for the seminars in this module while booking.

**Category:-** In this module, Admin can categorize seminars halls accordingly. Basic facilities of seminar halls like air-conditioning systems, sound systems, audio-visual systems, and other necessary equipment, etc can be mentioned in this module category-wise.

**Payment Module:-** In this module, Users can make payments for the services provided.

**Availability:-** In this module, Admin can check whether the particular seminar hall for the events is available or not.

**Details of User:-** Details of a User like a Name, Contact Number, Address, and booking history can be managed by Admin with this module.

## User roles

Two users can interact with this application **1)Admin 2)User**

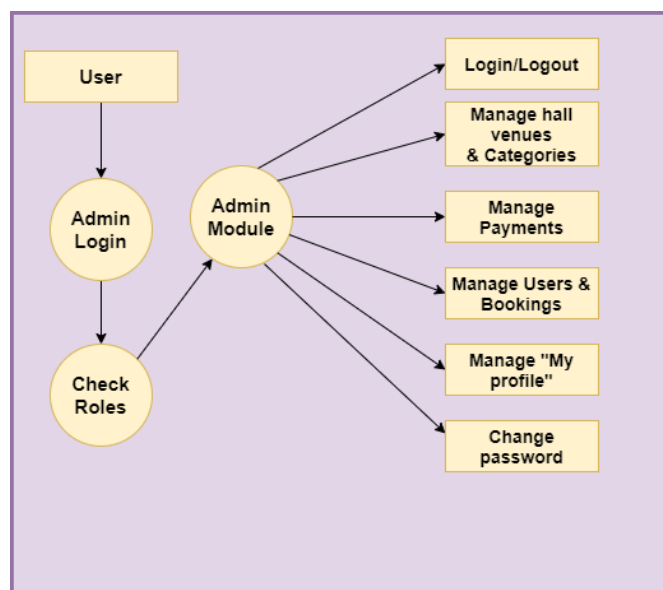
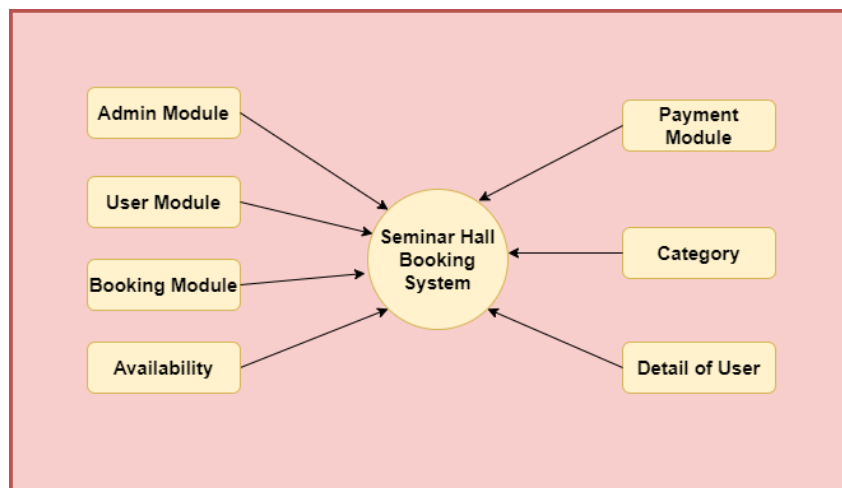
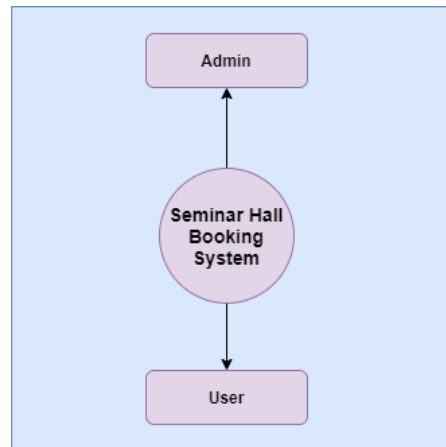
**Admin:**

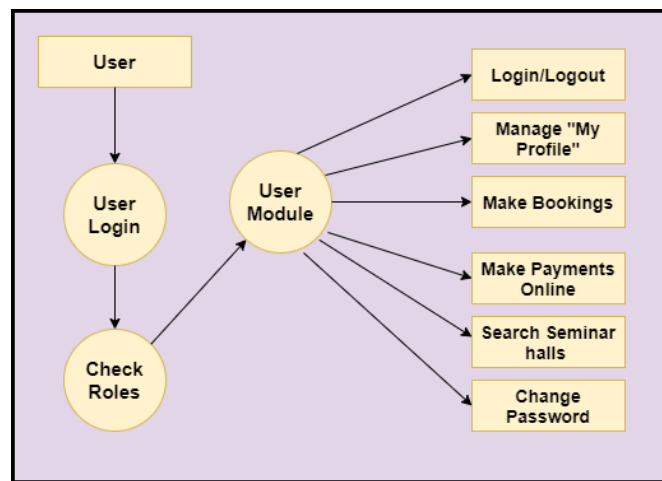
- Can Log in/Log out of the system.
- Admin can manage categories in the system.
- Admin can View/Confirm/Cancel booking orders placed by the User.
- Can check payments done by User.
- Can manage and check the availability of halls for the events.
- Can change prices of packages for seminar halls and other services.

## User:

- Can log in/log out of the system.
- Can Manage “My profile”.
- Can search for seminar halls available in categories.
- Users can book the seminar halls, and also can cancel the booking if needed.
- Can make payments online.
- Can change password.

## Flow Diagram for Seminar Hall Booking System





## Tools and Technologies Used

**Technology/Domain:** Java

**Front-End:** jsp,HTML,CSS,JS,Bootstrap

**Server-side:** Servlet

**Back-end:** MySql

**Server:** Tomcat 9.0

## Output:-

**Seminar Hall Booking Form**

From Date: 30 / 04 / 2013

To Date: 30 / 04 / 2013

Session: FULL DAY

Approval Number -Given: 2013120

Approval Date Given: 22 / 04 / 2013

Your Name: S Shanthi

Email -Id:

Your Phone Number:

SeminarHall Name: Kalingarayan-Civil- Capacity:400

Number of Persons Expected: 2000

Purpose Of the Event: Conference

**New User Registration Form**

Username: admin admin is already use

Full Name: Bin Boopathy M

Department: CSE

Email-Id:

Phone Number: Ex: 9905182036

Password: password

Role: Admin

signature of project coordinator  
Rambabu Marke