

Project Report
On
Meeting Of the Minds



**Submitted in partial fulfillment for the award of
E-Diploma in Advance Computing PG-DAC**

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CERTIFICATE

This is to certify that Report entitled “**Meeting of the Minds**” which is submitted by **Sudipa Mandal, Sanket Aher and Mithila Duddalwar** in partial fulfillment of the requirement for the award of PG Diploma in **Wireless Technologies and Application** to **CDAC, Noida** is a record of the candidates own work carried out by them under my supervision. The matter embodied in this report is original and has not been submitted for the award of any other degree.

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ACKNOWLEDGEMENT

Setting an endeavor may not always be an easy task, obstacles are bound to come in its way and when this happens, help is welcome and without help of those people whom I am mentioning here, this endeavor would not have been successful. The completion of any project brings with it a sense of satisfaction, but it is never complete without thanking those people who made it possible and whose constant support has crowned our efforts with success.

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Sudipa Mandal

Sanket Aher

Mithila Dudhalwar

ABSTRACT

In every organization there is always need of meeting and conference rooms, to conduct various events. In most meeting room scheduling or management system, the availability of meeting rooms are mainly based on pre-determined schedules. However, since the meeting duration is not always exact as it is scheduled, there are some situations that a meeting room is underutilized. Therefore, in this project, we present a smart meeting room scheduling and management system which detect occupancy status of meeting rooms in Realtime and integrate this information into the scheduling application to support ad-hoc meetings and increase room utilization. It is found that there is one conference hall in every organization, whether it is an educational institution or any company. Many different departments have to share this single conference hall for conducting its event. Hence there is always a possibility of the hall being booked by two or more departments on the same day. The clash in timing will be known to the departments only when the day of the event has reached, by that time it will be too late and very little time left for alternate arrangement. Hence an efficient and user-friendly system is required to reserve the hall beforehand and make the information available to others to check the status of the hall before booking.

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Introduction

Meeting of The Minds project is implemented in React Js platform using MYSQL and Spring Boot database as back-end application. Main aim of this project is to develop an online application through which users can easily communicate and schedule appointment for online meetings.

This application is designed for organizations where communication between employees, project leaders and clients are important.

This application is implemented in eleven modules admin, login, user management, host meeting, meeting room booking, view minutes, conference bridge call booking and cancelation of meetings, view meetings and notifications. The main objective of this project is to provide Conference Hall Booking and Check Date and Check status of the Booking. The customers have to register themselves in order to Use the service. Once a user has to select the date and check the available status. User has to check the Booking status of the user if it accepted, we can go to the Conference Hall.

Project Overview

2.1 Purpose:

The project is a web-based application where users can book instantly a conference Hall and pay them online via credit card. The system automates the conventional process of paying bill by visiting the place.

2.2 Objective: -

To build up an effective and easy to understand unified stage/portable application/framework required to save the lobby previously and make the data accessible to others to check the ongoing status of the corridor before booking over various services/divisions in various structures. Thus, we are building up an Online application to check the status of the gathering corridor and save it for leading occasions for a specific day and time. The framework will remind the worry individual about his booking of the lobby utilizing notices.

Feasibility Study:

Feasibility is determination of whether a projects worth doing or not. Before actually recommending the new system, it is important to investigate if it is feasible to develop the new system.

Before developing and implementing a system we have sure that our system is feasible in the following ways:

➤ Technical Feasibility:

In the type of feasibility study, the system analyst has to check whether it is possible or not to develop the requested system with availability of manpower, software, hardware, etc...The system which we run in Linux as well as windows platform and hence are suitable for the end-user. The system is technically feasible because it does not require too much manpower and runs with the basic available equipment.

➤ Operational Feasibility:

In this type of feasibility study the operation implementation of the system is considered. Checking is done regarding whether it is feasible for the user department to use the software or will there be any inertial resistance from the users. Thus, the proposed system is said to be

operationally feasible only if the end users are able to understand the system clearly and correctly and can use the system with ease and with the minimum training.

We need to train our staff so that the system will be handled efficiently. As the system developed is very user-friendly and easy to operate for any person with minimum computer knowledge of computer is also able to handle our system. It is also easy to operate due to the user-friendly interface developed using Java.

➤ **Economical Feasibility:**

In this type of feasibility study, the benefits of the system to the organization are considered by taking into consideration the cost-benefit analysis. The basic software, which is required for the implementation of the system, is Java which is easily available. Also with the basic training user can use this software thus reducing the training cost to the organization. Thus, using this system is feasible for the organization and learning Java and the proposed system is economically feasible for the organization. As our system goes online we will have a lot of customers adding to our publicity. This in turn will increase our profit.

3. Overall Description: -

3.1 Product Features

The main feature of this system is the consumers can book conference Hall online via card payment. The system shows the details of that consumer and consumer can also update his profile. The consumer must be a registered before he/she uses this online conference Hall Booking. The consumer can see his bill report and payment history. Consumer can book meeting room online so it will save time for admin as well as consumer.

3.2 Technology Used

➤ **BACK END**

Framework	Spring Boot
Database	MySQL
Build Tool	Maven
Language	Java

➤ **FRONT END**

HTML
CSS
JavaScript
Bootstrap

3.3 User Classes

➤ **Admin**

The super user, admin class represents complete authority over the system an admin can

1. Admin can add Admin, sub-Admin and Consumer.
2. View the number of sub-admin and consumers.
3. Admin can update his own profile.
4. Admin can update and delete the sub-admin and consumer.
5. The bill generated by admin to particular consumer by searching consumer Id
6. Admin can see bill report by particular consumer by searching consumer Id
7. Admin can see bill payment report by particular consumer by searching consumer Id

➤ **Consumer**

1. This system consumer can easily register using Signup.
2. The consumer can easily see his profile and update profile.
3. Consumer can see current bill and pay via card payment and also print the bill.
4. Consumer can see bill history.
5. Consumer can see payment history.

➤ **Architecture Diagram: -**

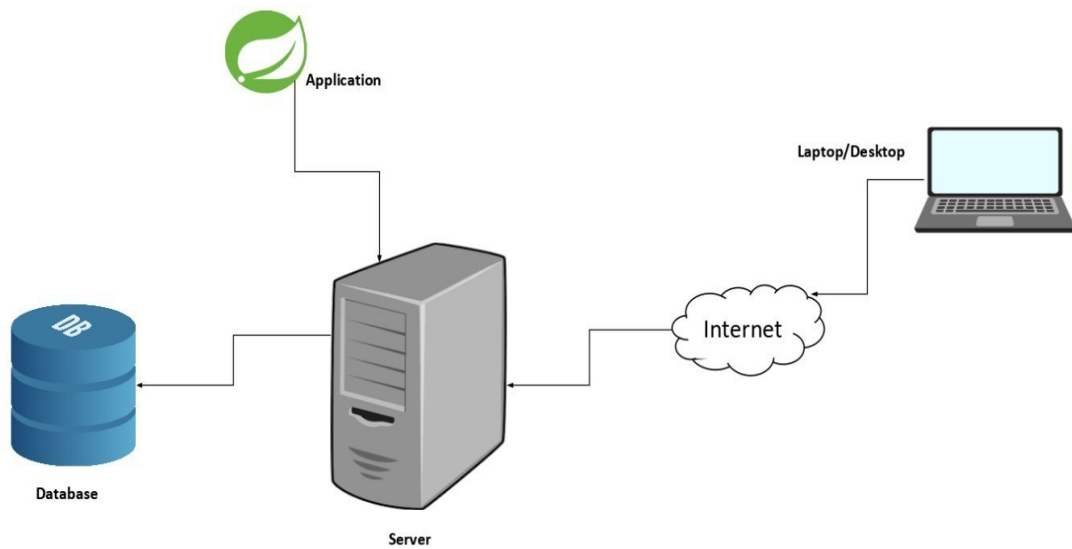
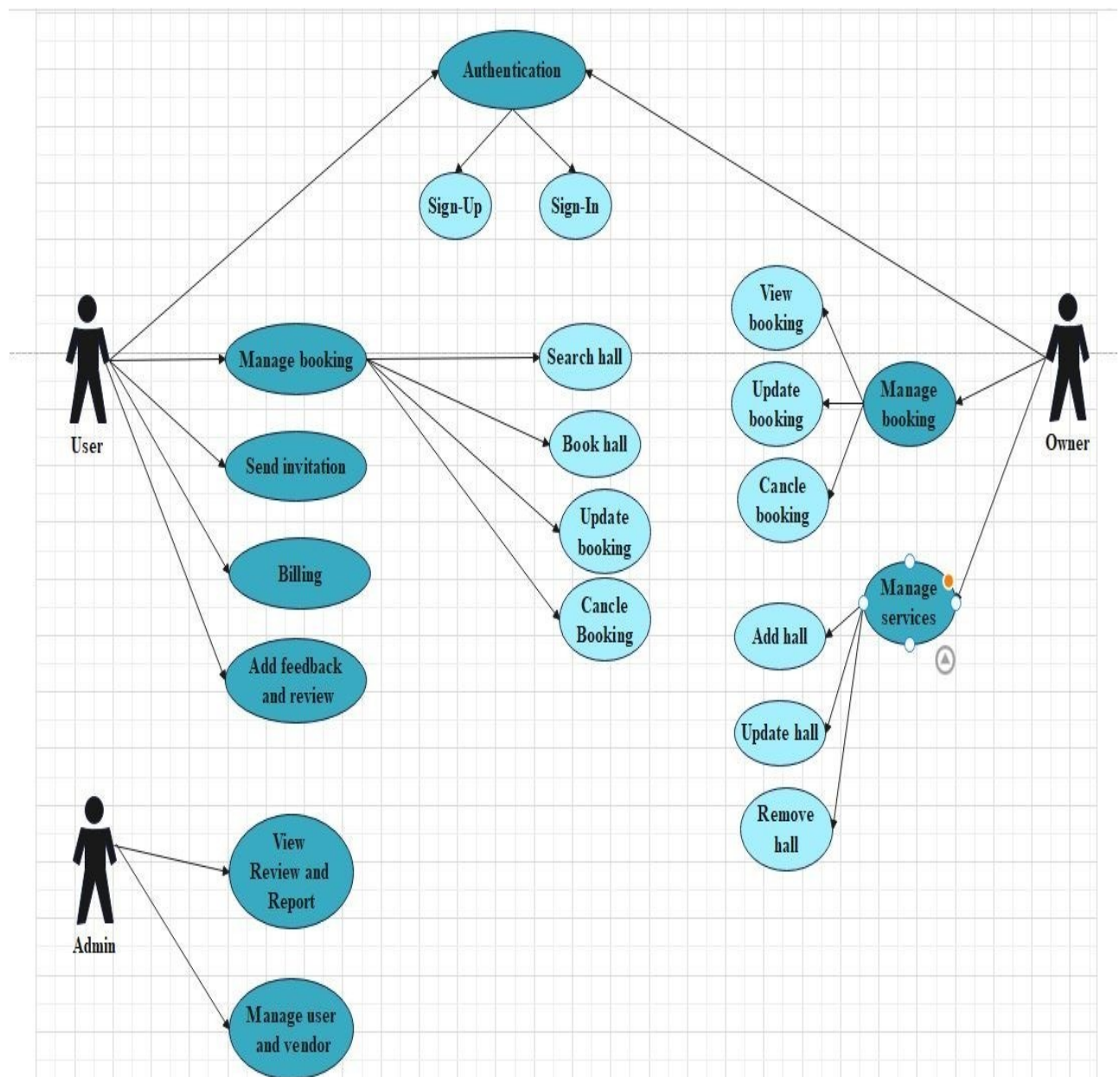


Figure 1. Architecture Diagram

4. Software Requirements Specification

Use case diagram

There is entry interface that is intended to admin, sub-admin and consumer to login to the system by their own account. If the consumer is not registered, he/she can register using sign-up. User has to enter the login credentials i.e., Email-Id and Password information for Login.



5.Sequence Details

1. Admin

❖ Profile

Main Mainline Sequence:

1. **Admin:** Admin logs in.
2. **System:** Opens admin home page.
3. **Admin:** Clicks on profile.
4. **System:** Opens profile page.
5. **Admin:** Click Update Button.
6. **System:** Update form get open
7. **Admin:** Enter Update details and click on update button

❖ Add User

Main Mainline Sequence:

1. **Admin:** Admin logs in.
2. **System:** Opens admin home page.
3. **Admin:** Clicks on Add user.
4. **System:** Opens the register page.
5. **Admin:** Enter the user details and select role
[Admin, Sub-Admin and Consumer] Click on submit Button.
6. **System:** It display User register successfully.

❖ View Consumer

Main Mainline Sequence:

1. **Admin:** Admin logs in.
2. **System:** Opens admin home page.
3. **Admin:** Clicks on view consumer.
4. **System:** Available consumer list page get open.
5. **Admin:** Can update and delete consumer profile on click
Update and delete button.
6. **System:** Update page open on click update button.
7. **Admin:** Enter update details and click on update.
8. **System:** Update Successfully message display.

6. Non-Functional Requirements

❖ Performance Requirement

1. The time between request and response should be less
2. Minimum time should be taken by the application to display the result.
3. In case of power failure, the data should be stored in the state that was last saved by the user

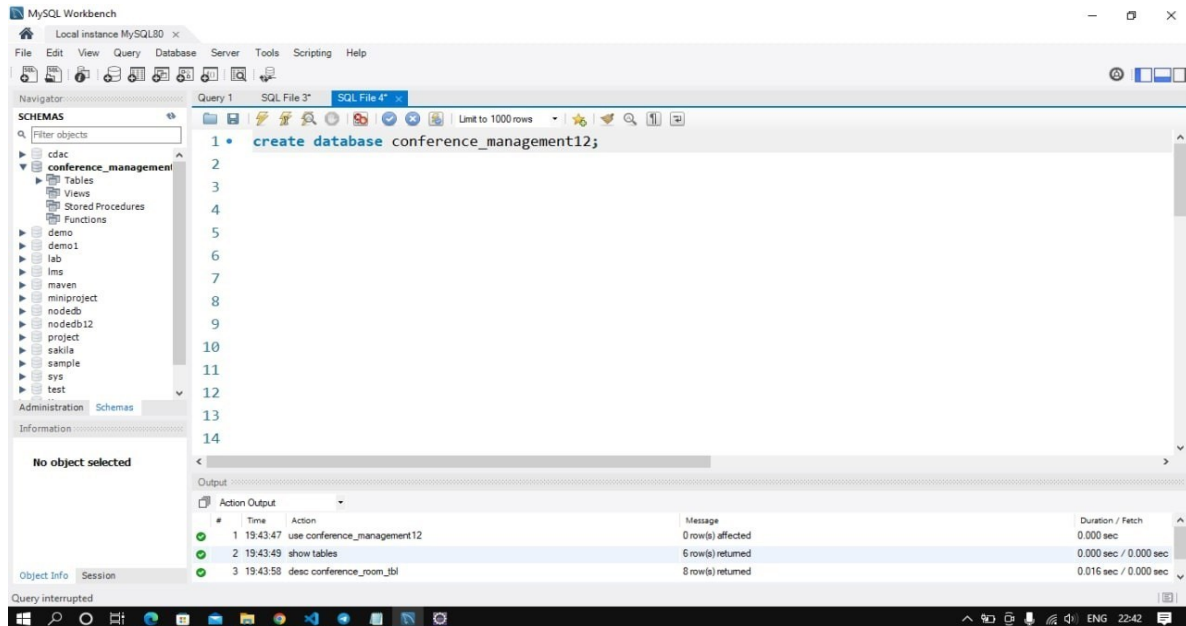
❖ Security Requirement

- ❖ Only one active session per user
- ❖ Passwords shall never be viewable at the point of entry or at any other time.
- ❖ Duplicate bill will not be generated of same month and year

7. Database Tables

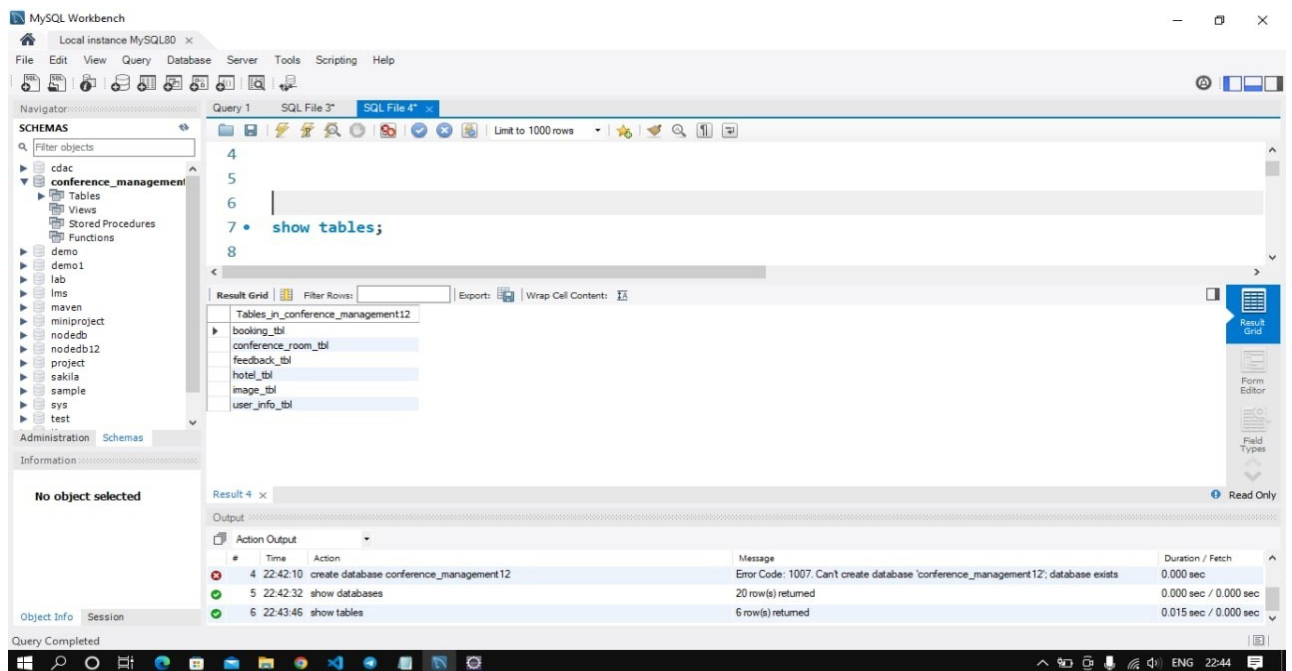
Database Created

Query = Create database conference_management12;



Tables in Database

Query = show tables;



User Table

Query = select * from user_info_tbl;

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view of databases, with 'conference_management' selected. The main editor window shows a SQL query: `select * from user_info_tbl;`. Below the query, the 'Result Grid' displays the results of the query. The results are organized into columns: user_id, user_firstname, user_lastname, user_username, user_password, user_contact_number, user_occupation, user_email, user_city, user_district, and user_state. The data shows three rows of user information. At the bottom, the 'Output' pane shows the execution log, including the time taken for the query and the number of rows returned.

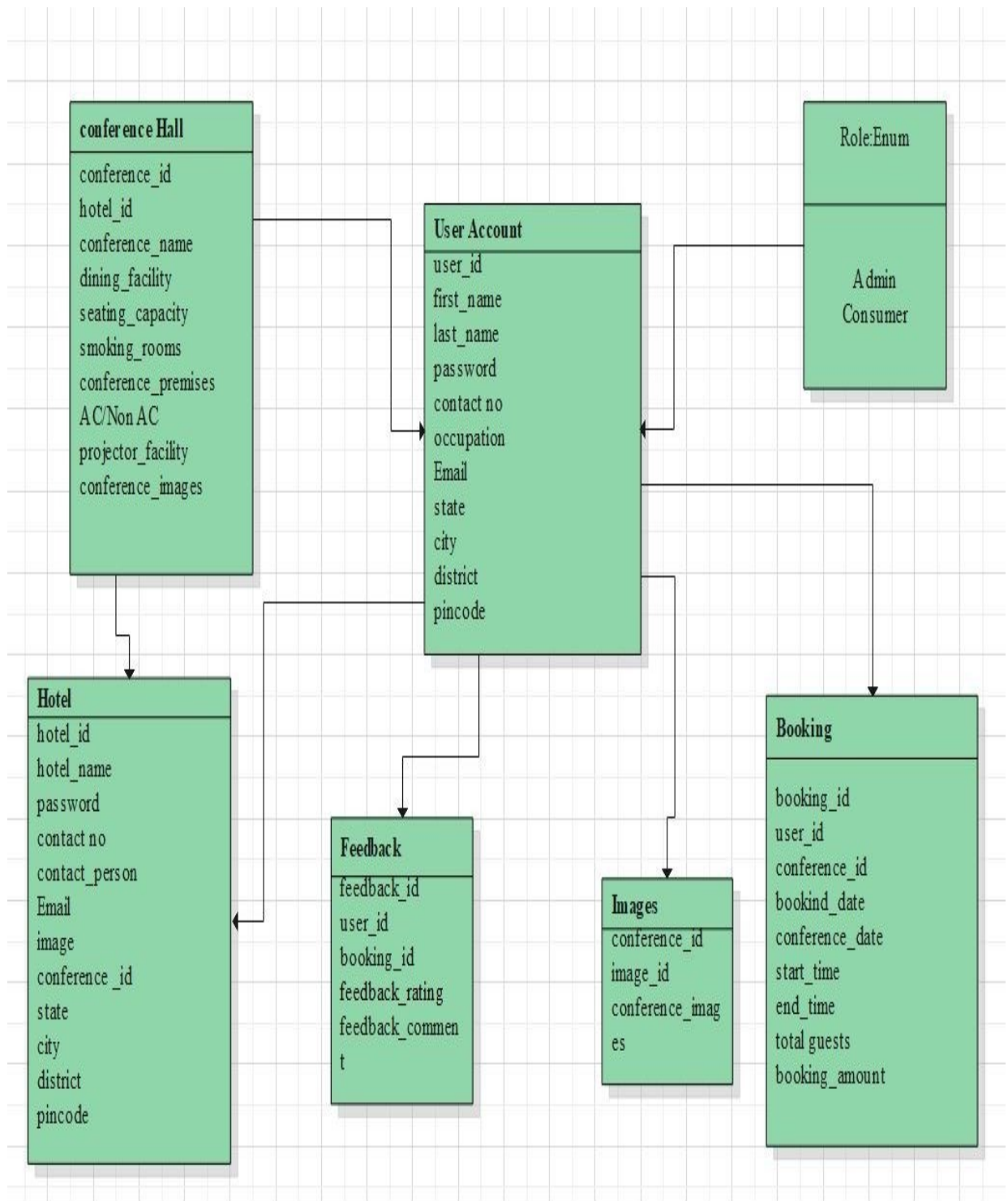
user_id	user_firstname	user_lastname	user_username	user_password	user_contact_number	user_occupation	user_email	user_city	user_district	user_state
1	Sanket	Aher	sanket.aher4832@gmail.com	sddfdffd	8796553324	Developer	sanket.aher4832@gmail.com	Thane	pune	maharashtra
2	Mithila	duhawar	Mithila123@gmail.com	sds	9988776655	Testing	Mithila123@gmail.com	pune	pune	maharashtra
3	sudpa	mandal	sudpa123@gmail.com	erer	8796553324	eee	sudpa123@gmail.com	Thane	pune	maharashtra

Output:

#	Time	Action	Message	Duration / Fetch
5	22:42:32	show databases	20 row(s) returned	0.000 sec / 0.000 sec
6	22:43:46	show tables	6 row(s) returned	0.015 sec / 0.000 sec
7	22:45:20	select * from user_info_tbl LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0.000 sec

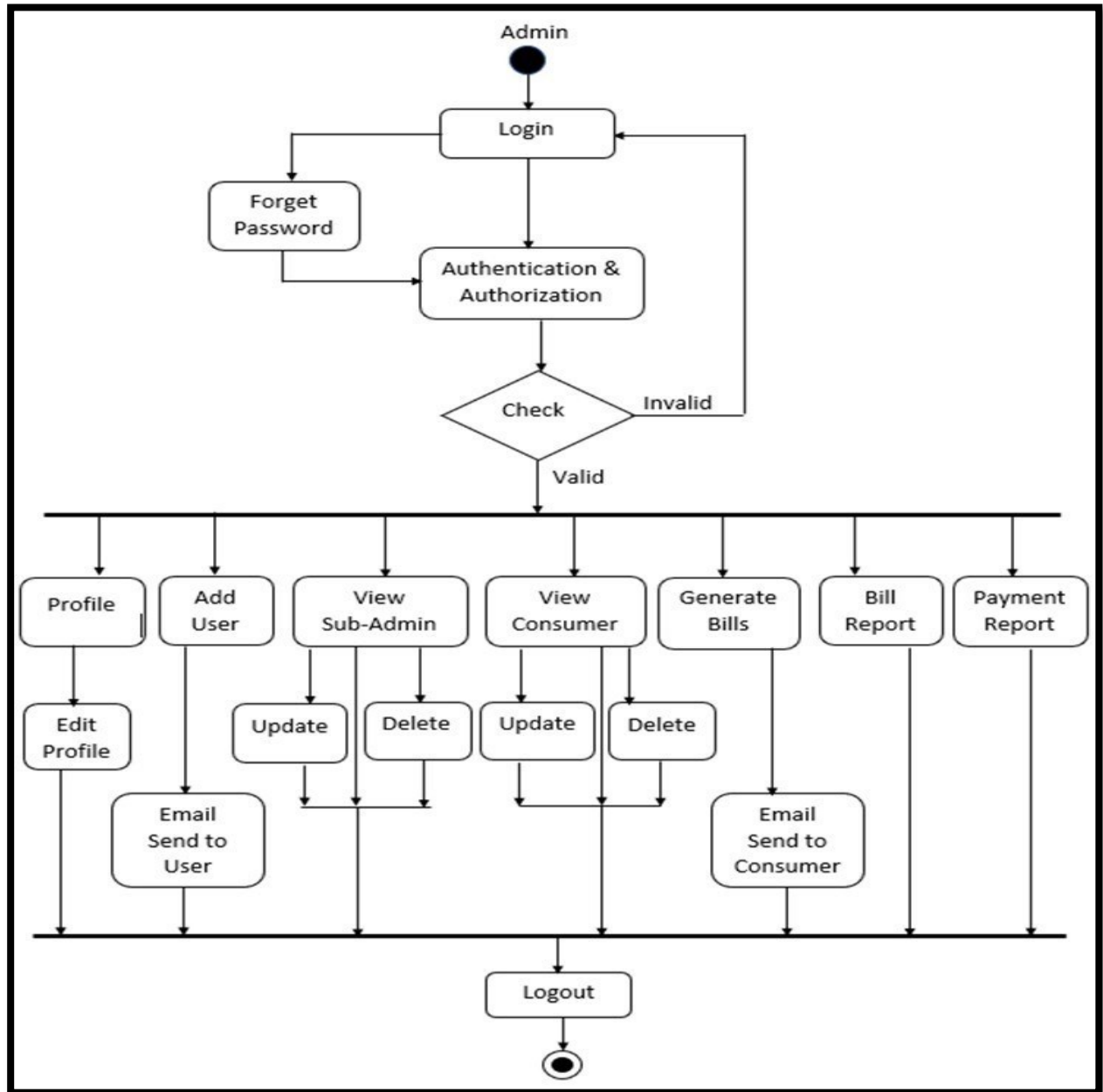
8. UML Diagram

❖ Class Diagram

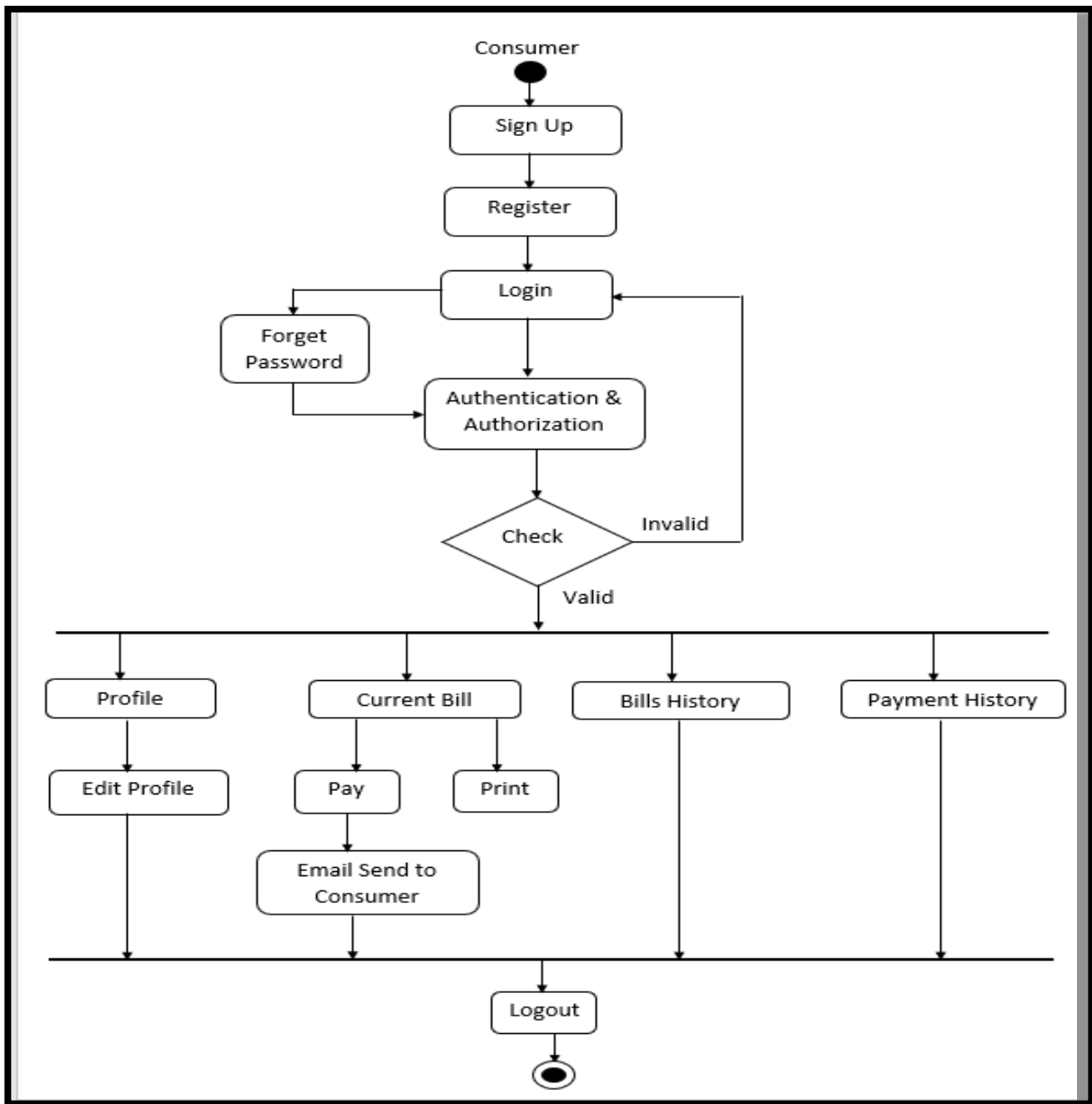


9. Activity Diagram

1. Admin Activity Diagram

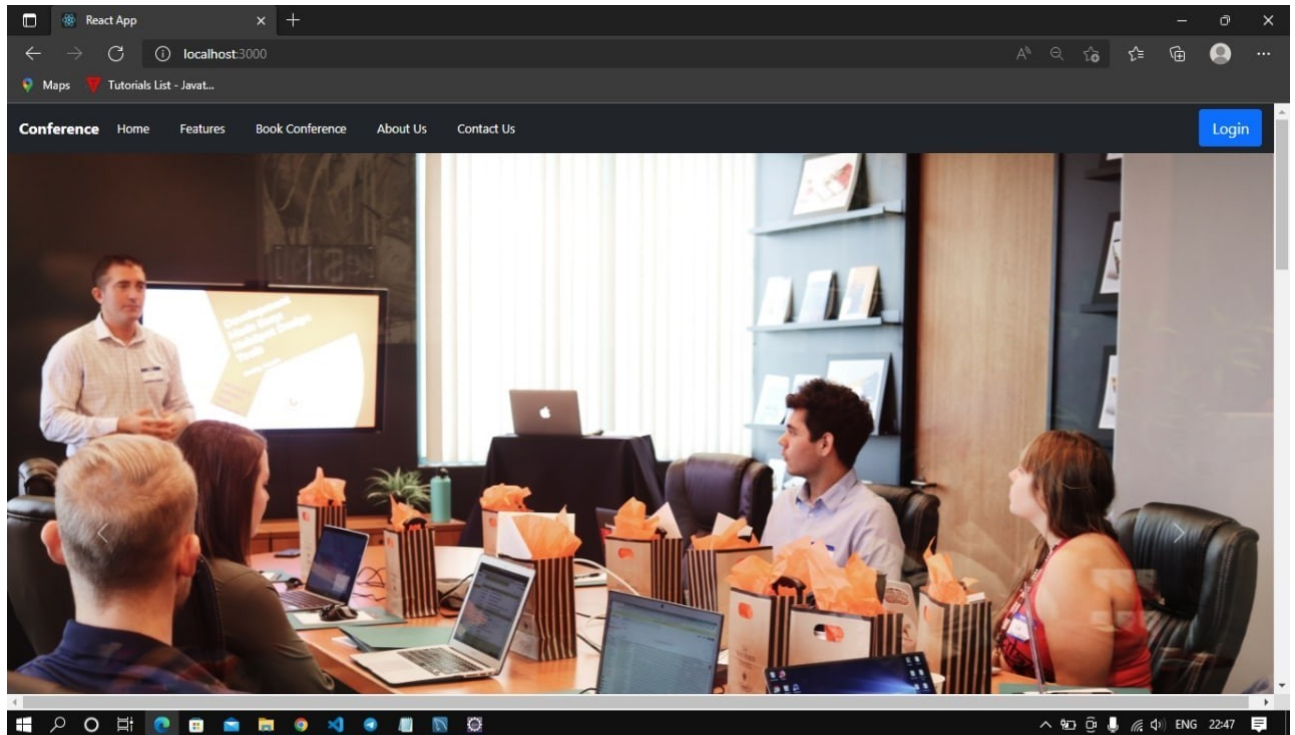


1. User Activity Diagram



10.Interface

1) Welcome page



2) Registration Page

A screenshot of a web browser displaying the 'Registration Page' of the same conference website. The browser's address bar shows 'localhost:3000/Signup'. The navigation bar is identical to the previous page. The main content area has a white background with a purple lock icon and the text 'Sign up'. Below this is a form with the following fields: 'First Name *', 'Last Name *', 'Email Address *', 'Password *', 'Occupation *', 'ContactNumber *', 'City *', 'District *', 'State *', and 'PinCode *'. At the bottom of the form is a checkbox labeled 'I want to receive inspiration, marketing promotions and updates via email.' and a blue 'SIGN UP' button. The Windows taskbar at the bottom shows the time as 22:49.

3) Login

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/Login'. The page has a dark header with navigation links: 'Conference', 'Home', 'Features', 'Book Conference', 'About Us', and 'Contact Us'. A 'Login' button is in the top right. The main content area is titled 'Sign in' with a lock icon. It contains a form with 'Email Address *' and 'Password *' fields, a 'Remember me' checkbox, and a 'SIGN IN' button. Below the button are links for 'Register Hotel/Conference' and 'Register User'. A copyright notice 'Copyright © Your Website 2022.' is centered. The footer is a dark bar with four columns of text: 'Lorem ipsum dolor sit amet...', 'For Customer' (with links: Order, Products, Payment), 'Quick Links' (with links: Home, About Us, Contact), and 'Contact Info' (with links: Address, Phone, Email).

React App

localhost:3000/Login

Conference Home Features Book Conference About Us Contact Us Login

Sign in

Email Address *

Password *

☐ Remember me

SIGN IN

[Register Hotel/Conference](#) [Register User](#)

Copyright © Your Website 2022.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Adipisci pariatur consectetur amet tempora asperiores aliquam quam magnam ab aperiam porro ut, sed quia totam, excepturi soluta culpa id quos eaque.

For Customer
Order
Products
Payment

Quick Links
Home
About Us
Contact

Contact Info
Address
Phone
Email

4) Register Hotel Page

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/SignUpHotel'. The page has a dark header with navigation links: 'Conference', 'Home', 'Features', 'Book Conference', 'About Us', and 'Contact Us'. A 'Login' button is in the top right. The main content area is titled 'Register Your Hotel' with a lock icon. It contains a form with the following fields: 'Hotel Name *', 'Hotel Contact Number *', 'Hotel Contact Person *', 'Hotel Email *', 'Password *', 'Is Parking Available? Please enter Yes or No *', 'City *', 'District *', 'State *', and 'PinCode *'. A 'REGISTER' button is at the bottom.

React App

localhost:3000/SignUpHotel

Conference Home Features Book Conference About Us Contact Us Login

Register Your Hotel

Hotel Name *

Hotel Contact Number *

Hotel Contact Person *

Hotel Email *

Password *

Is Parking Available? Please enter Yes or No *

City *

District *

State *

PinCode *

REGISTER

11.Future Scope

In future, certain changes can be incorporated as per the requirements of the organizations implementing the system. Those are: - Search of free conference rooms whether they are available in particular city. The system can provide the users with the facility of booking more than one hall at the same time and by using his/her same user_id. The registered users can get the notification of newly built conference rooms in particular areas

12. References and Bibliography

1. www.w3school.com
2. <https://docs.oracle.com/javase/8/docs/api/index.html?overview-summary.html>
3. <https://youtu.be/ZmArHSRDPaA>

13. Conclusion: -

In this project, the conference room booking system allows people to book the conference rooms across multiple departments or other resources. The goals of this project are to reserve conference room seats for auditors and providing the response to user by sending the notifications through SMS or mail. This includes shared calendar management, unlimited users, remote device management etc. Booking is done on the bases of time or period. It is flexible for repeating booking and this system supports multiple languages. The system is easy for implementation and maintenance. It is cost effective project and can be used in many organizations