

Event Management System Summary

The **Event Management System** is a platform designed to simplify the creation and management of events. The system offers a range of functionalities, including event creation, scheduling, RSVPs, attendee management, and notifications. Users can create, view, and delete events, as well as track RSVPs and attendee participation. The system also supports sending reminders to attendees and offers the option of in-app notifications or email alerts.

Tools and Technologies:

- **Frontend:** ReactJS
- **Backend:** Java, Spring, Maven
- **Database:** MySQL

Problems Solved:

- **Event Creation & Management:** Users can create, list, view, and delete events, with detailed information like date, location, and description.
- **RSVP System:** Attendees can RSVP to events, marking their attendance status.
- **Scheduling:** Upcoming events are displayed on a calendar or list, and reminders can be scheduled for participants.
- **Attendee Management:** Event organizers can manage the list of attendees, including removing or banning participants.
- **Notifications & Reminders:** The system sends reminders before events

Database Design:

Events Table

Column	Data Type	Description
id	INT	Primary Key
title	VARCHAR(255)	Title of the event
description	TEXT	Description of the event
date	DATE	Date of the event
time	TIME	Time of the event
location	VARCHAR(255)	Location of the event
created_by	INT	Foreign Key to `users` (Admin)
updated_at	TIMESTAMP	Timestamp of the last update

User Table

Column	Data Type	Description
id	INT	Primary Key (Auto Increment)
event_id	INT	Foreign Key to `events`
user_id	INT	Foreign Key to `users` (Customer)
status	ENUM	Status of attendance (` CONFIRMED`, ` PENDING`, ` DECLINED`)
responded_at	TIMESTAMP	Time of response

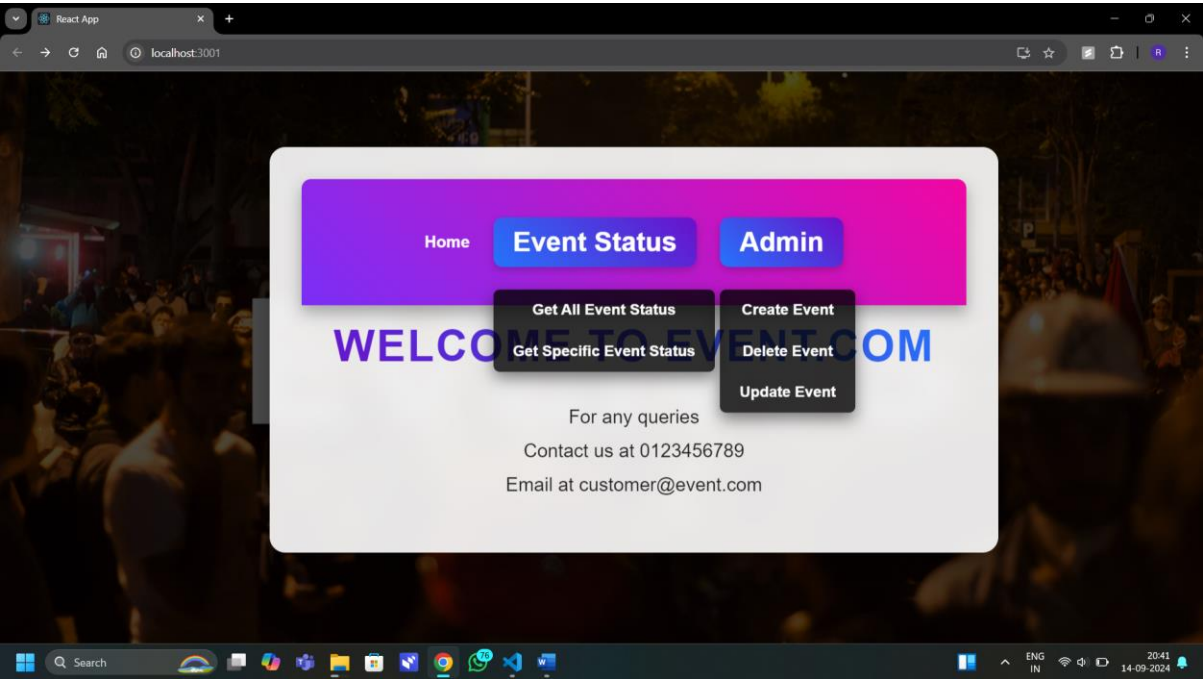
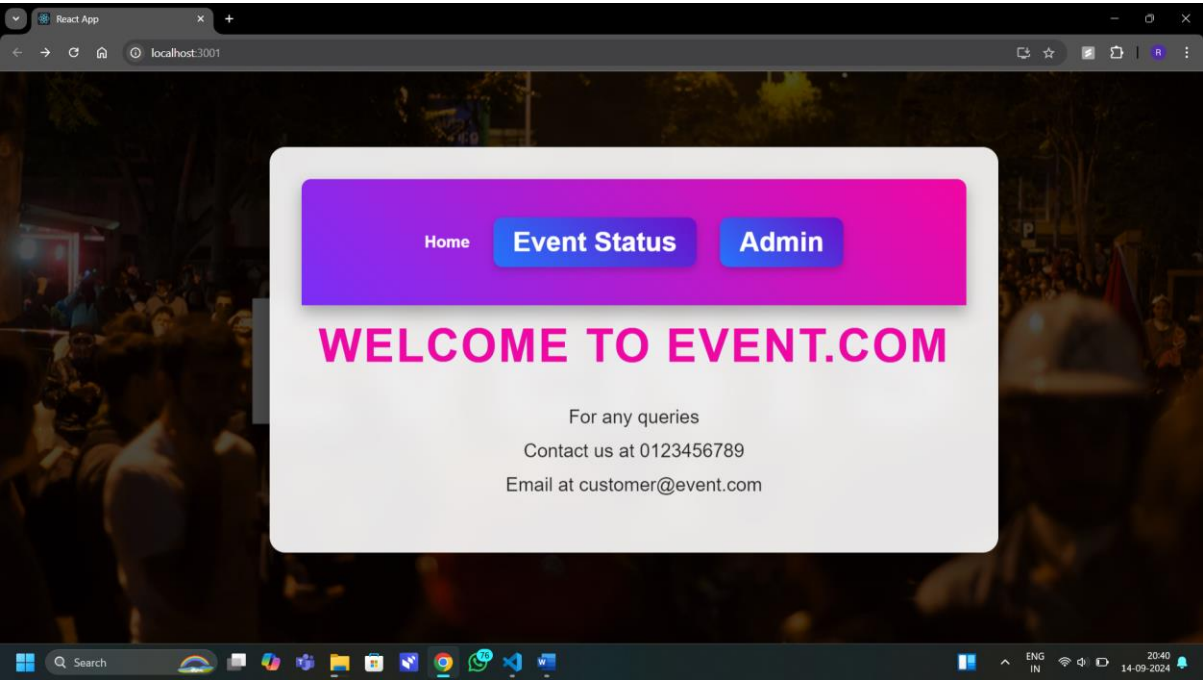
Notifications

Column	Data Type	Description
-----	-----	-----
id	INT	Primary Key (Auto Increment)
user_id	INT	Foreign Key to `users`
event_id	INT	Foreign Key to `events`
message	TEXT	Notification message
type	ENUM	Type of notification (` REMINDER`, ` UPDATE`)
status	ENUM	Status of notification (`SENT`, ` PENDING`)
sent_at	TIMESTAMP	Time when the notification was sent

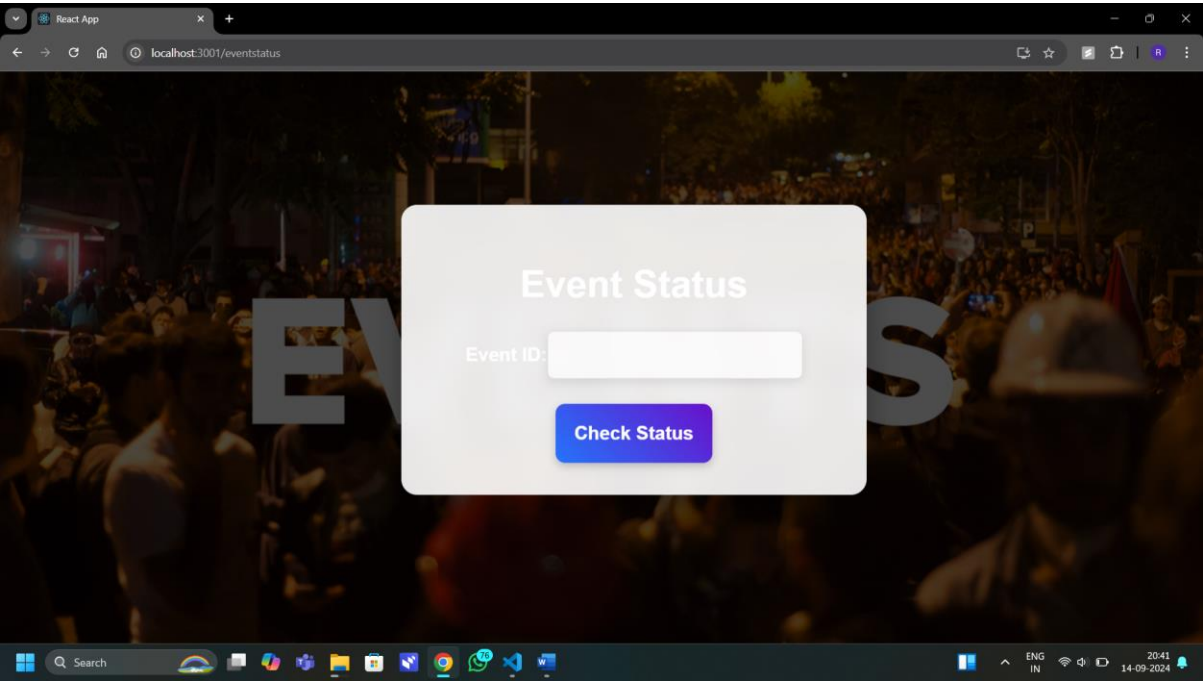
Attendees

Column	Data Type	Description
id	INT	Primary Key (Auto Increment)
event_id	INT	Foreign Key to `events`
user_id	INT	Foreign Key to `users` (Customer)
status	ENUM	Status of attendance (` CONFIRMED`, ` PENDING`, ` DECLINED`)
responded_at	TIMESTAMP	Time of response

HOMEPAGE



EVENT STATUS



Update Event Status

