

# **Dharmsinh Desai University**



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**Department: Institute of Management &  
Information Science**

**Subject: Software Design and Testing**

**Topic: Virtual Event Management**

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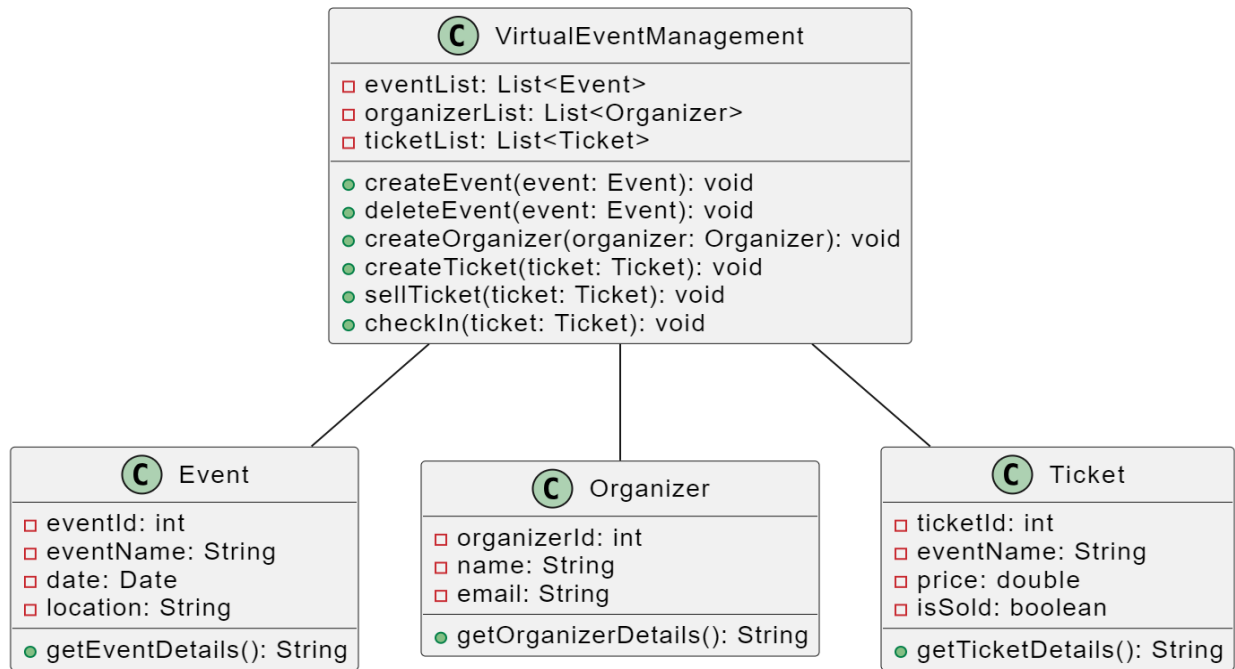
# 1. Introduction

A Virtual Event Manager is a comprehensive tool designed to plan, execute, and evaluate online events. It provides a platform for event organizers to manage all aspects of an event, from scheduling and ticketing to attendee engagement and post-event analysis.

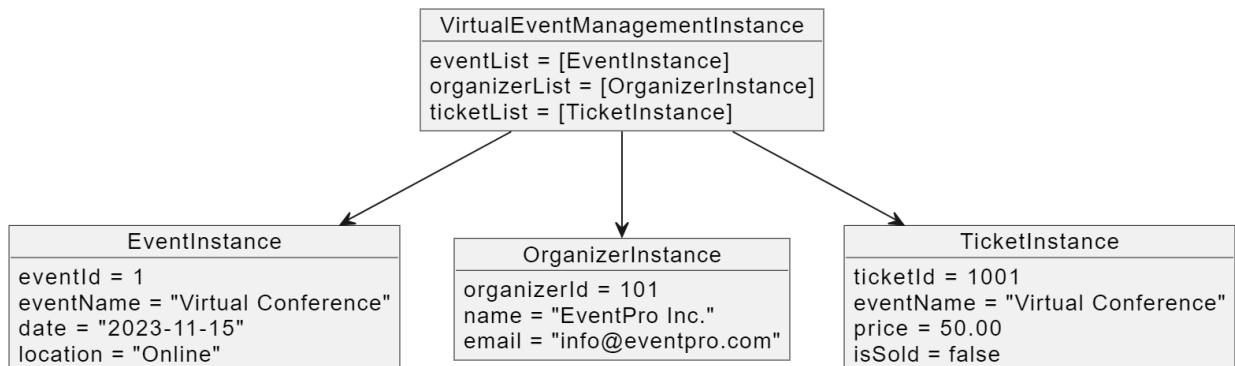
The platform offers a range of features including customizable event pages, ticket sales management, real-time analytics, and interactive tools such as live chat and polling. It aims to streamline the event management process, making it easier for organizers to host successful virtual events.

With the rise of remote work and social distancing measures, Virtual Event Managers have become an essential tool in today's digital world. They allow businesses, educational institutions, and other organizations to connect with their audience in a virtual environment, overcoming geographical barriers and making events more accessible.

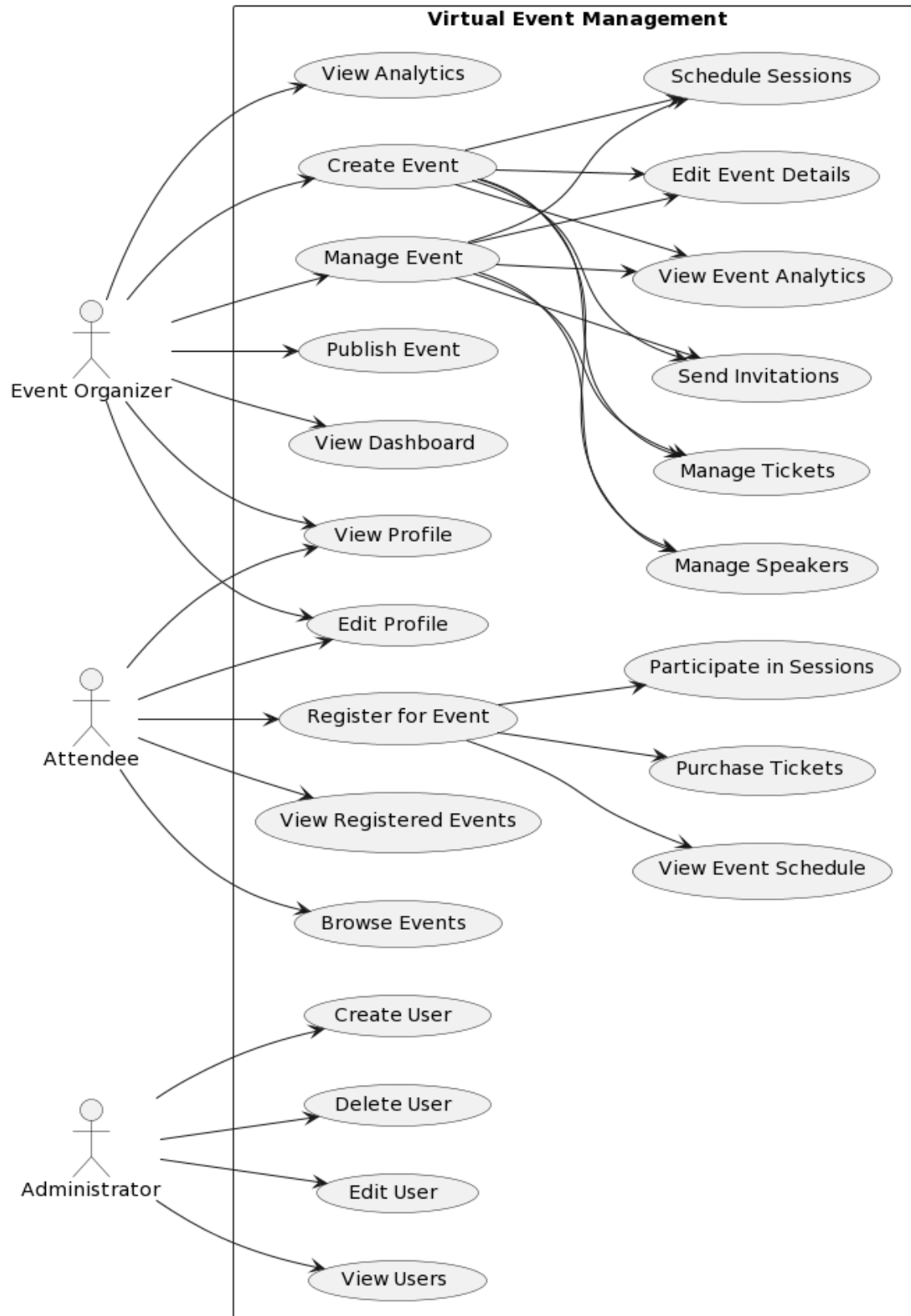
## 2. Class Diagram



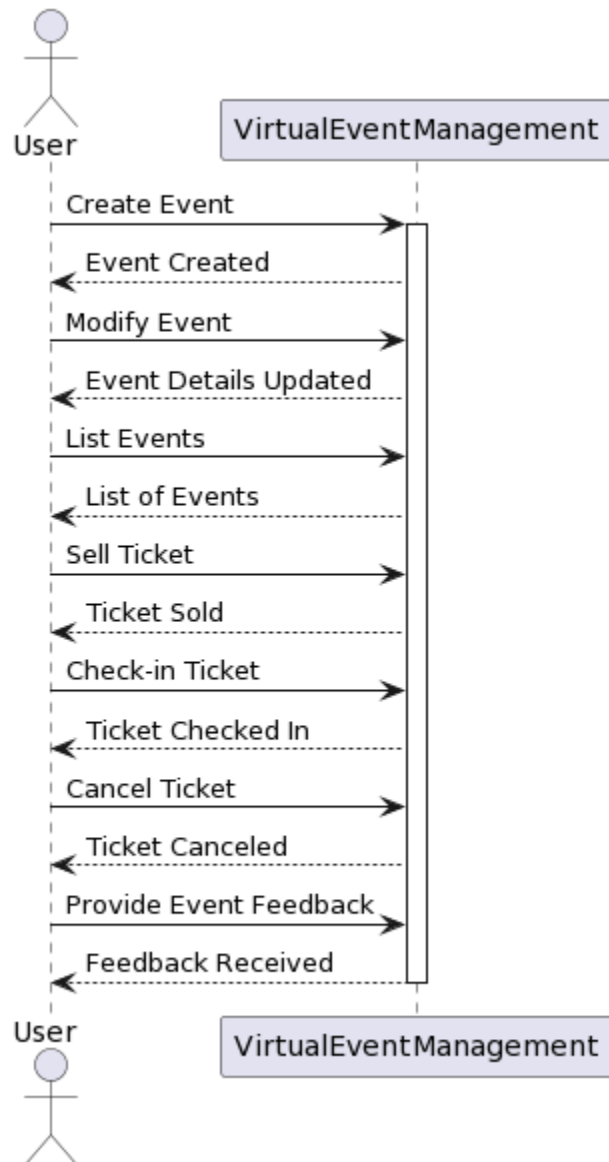
## 3. Object Diagram



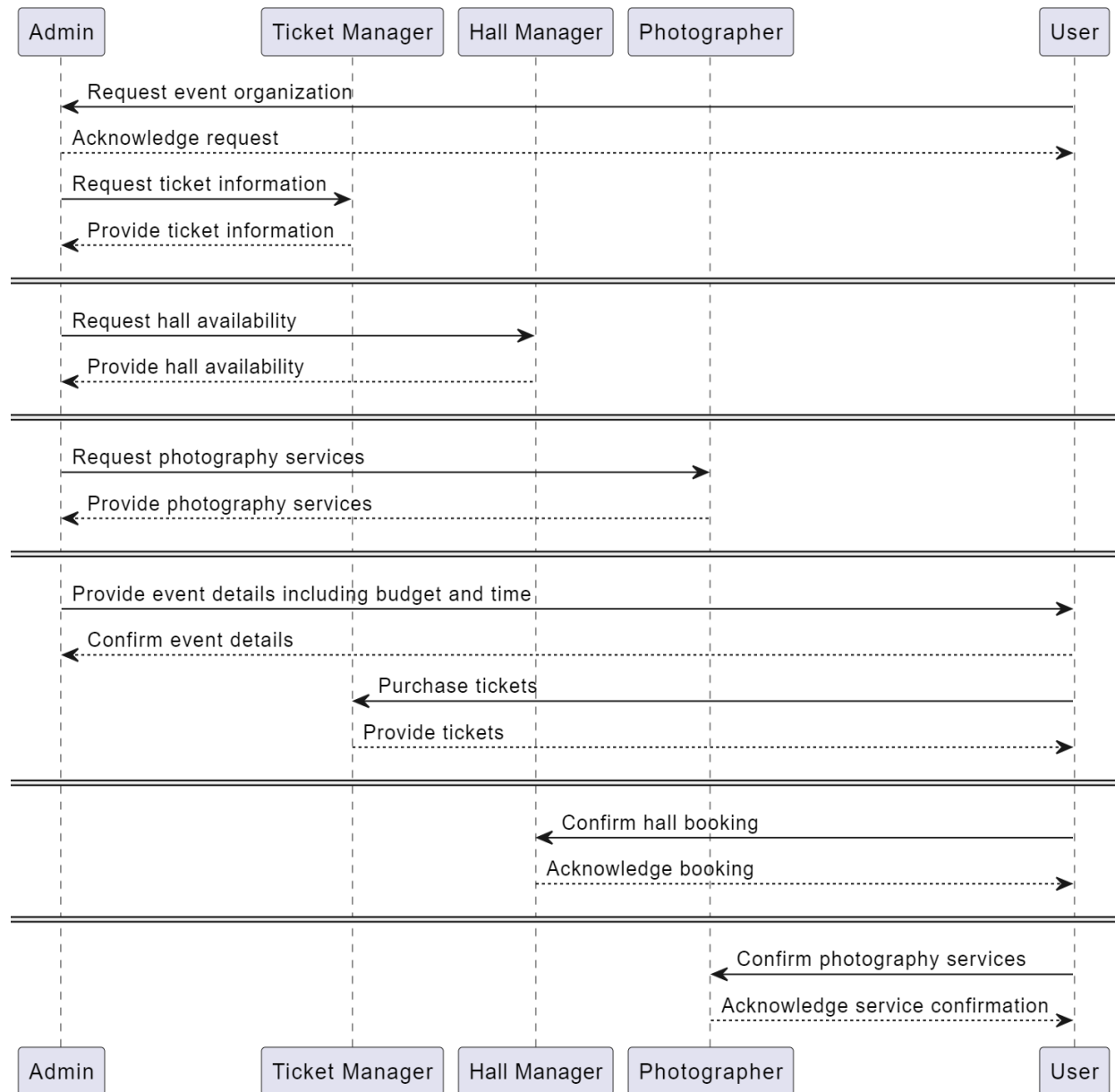
## 4. Use case Diagram



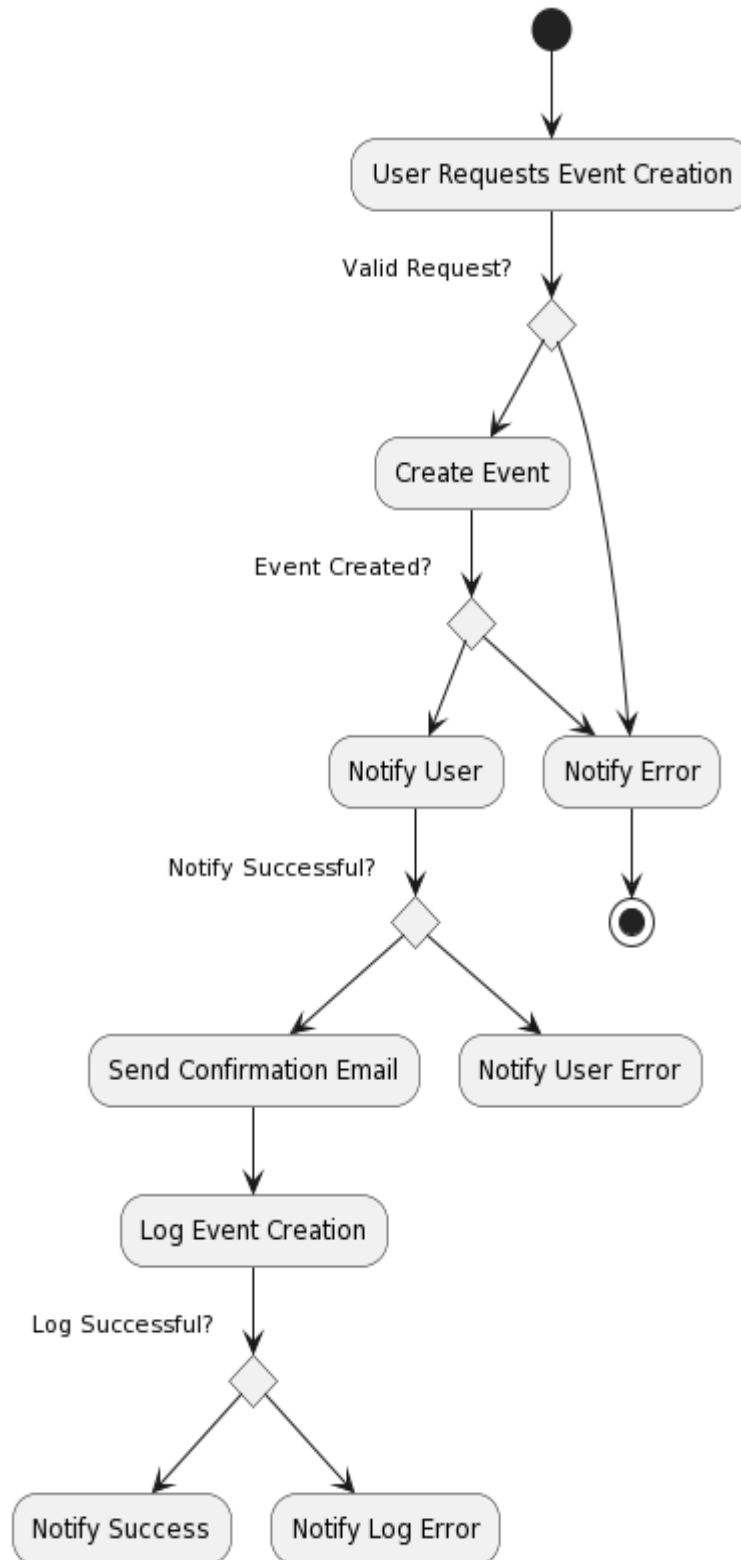
## 5. Sequence Diagram



## 6. Collaboration Diagram

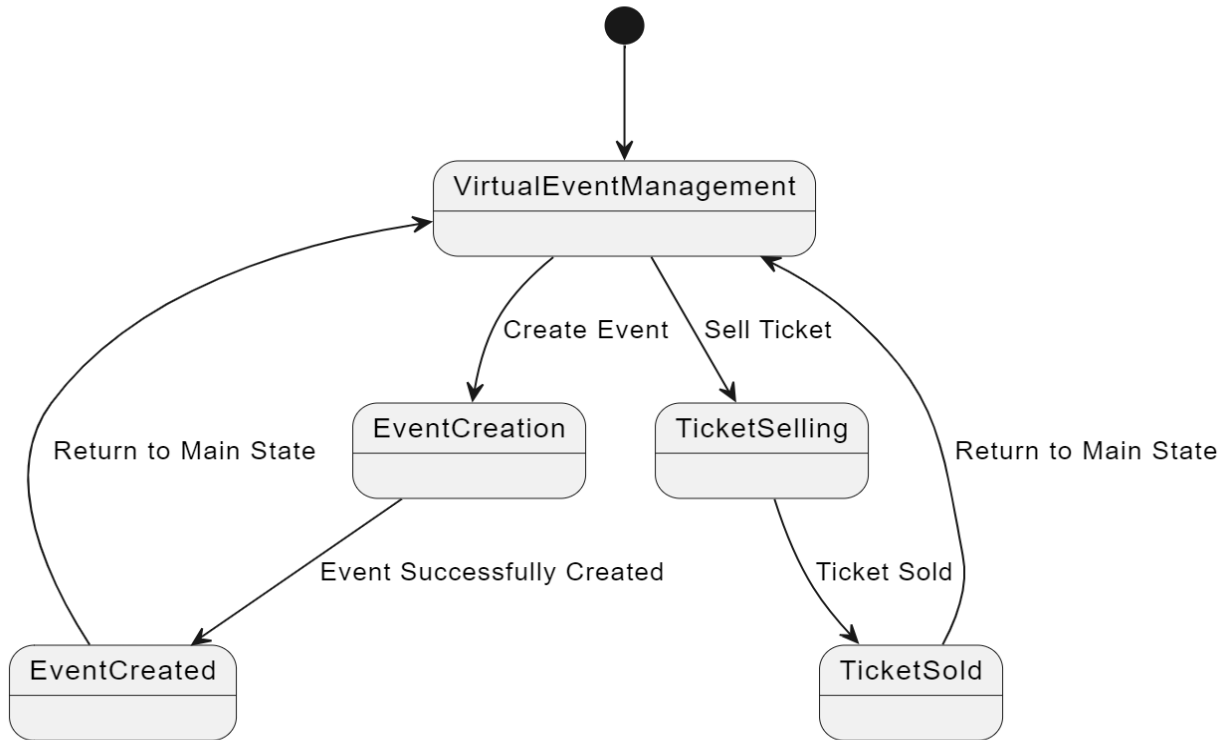


## 7. Activity Diagram





## 8. State chart Diagram



## 9. Test cases

Feature	Description	Input	Expected Output
User Registration	User creates an account with valid details	User details (name, email, password)	Account created, user can log in
User Login	Registered user logs into the system	Email, password	Successful login, access to user's dashboard
User Authentication	User enters invalid login credentials	Invalid email or password	Error message: "Invalid credentials"
Event Creation	User creates a new event	Event details (name, date, location)	Event created and listed in user's events
Event Editing	User updates event details	Updated event details (e.g., date)	Event details updated and displayed
Event Deletion	User deletes an event	Event ID	Event removed from the user's dashboard
Ticket Booking	User purchases a ticket for an event	Event ID, number of tickets	Tickets reserved, payment confirmation
Ticket Availability	User checks ticket availability for an event	Event ID, number of tickets needed	Number of available tickets for the event
Ticket Cancellation	User cancels a booked ticket	Ticket ID	Ticket canceled; refund processed
Event Listing	User views a list of all available events	None	List of events with details displayed
Activity Creation	User creates a new activity for an event	Activity details (name, date, time)	Activity created and associated with the event
Activity Editing	User updates activity details	Updated activity details (e.g., time)	Activity details updated and displayed
Activity Deletion	User deletes an activity	Activity ID	Activity removed from the event