

# Title: Event Management Platform

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## 1. Project Statement:

The project aims to develop a streamlined web-based platform that facilitates event management, vendor registration, and payment handling for various event types (e.g., weddings, conferences, DJ events). The platform serves Event Organizers (Users), Vendors, and Admins, focusing on user-friendly event creation, vendor selection, and payment management.

Outcomes:

- Allow users to register, create events, select vendors, and make payments.
  - Provide vendors with tools to register and receive purchase confirmations.
  - Equip admins with the ability to approve/reject events and manage vendors.
  - Ensure a responsive, intuitive interface for users, vendors, and admins.
  - Enable users to download event details in PDF format after payment to share as invitations.
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## 2. Modules to be Implemented:

1. User Authentication and Role Management
  2. Event Creation, Vendor Selection, Payment, and PDF Invitation Download
  3. Vendor Registration and Management
  4. Admin Dashboard for Event and Vendor Management
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## 3. Week-wise Learning and Module Implementation Plan:

Learning Phase: Weeks 1-5

- Week 1: Spring Framework – Introduction to Spring, Spring Boot, and dependency injection.
- Week 2: Microservice Architecture – Understanding microservices, REST API development, and communication between services.
- Week 3: Security – Introduction to JWT-based authentication and role-based access control.

- Weeks 4-5: React Development – Introduction to React, component-based design, and front-end integration with Spring Boot backends.

Project Implementation Phase: Weeks 6-7

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## 4. Module Descriptions:

### Module 1: User Authentication and Role Management

Description:

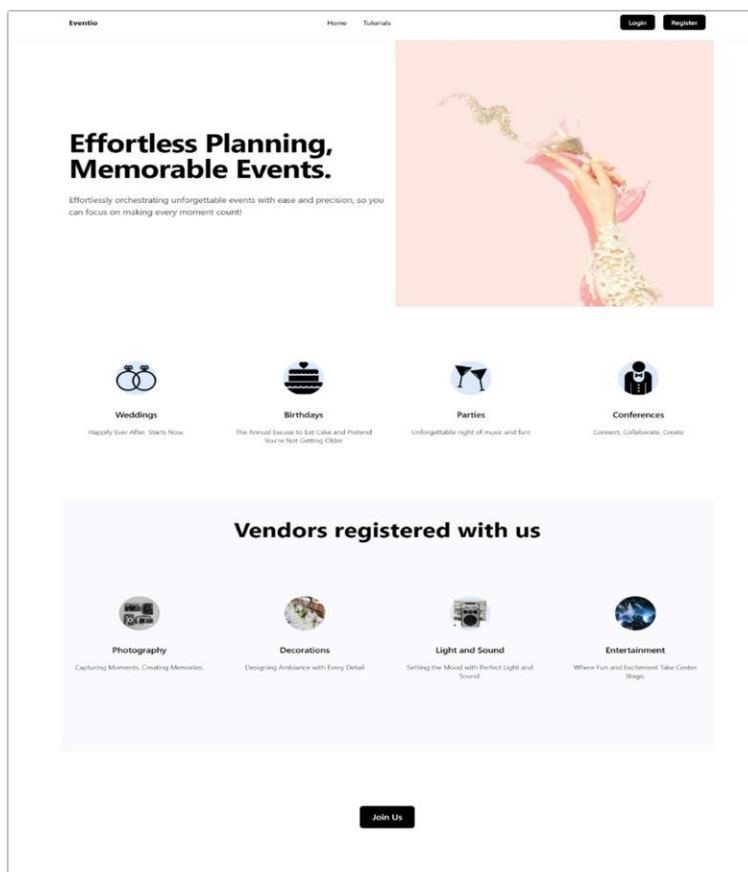
Implement user authentication using JWT and role-based access control for Event Organizers, Vendors, and Admins.

Features:

- User registration and login for Event Organizers, Vendors, and Admins.
- Secure access using JWT tokens.
- Role-based access control for features like event creation and vendor management.

**Screenshots:**

**Landing Page:**





## Module 2: Event Creation, Vendor Selection, Payment, and PDF Invitation Download

### Description:

This module covers the process where users can create events, select vendors and venue, make payments, and download event details in PDF format.

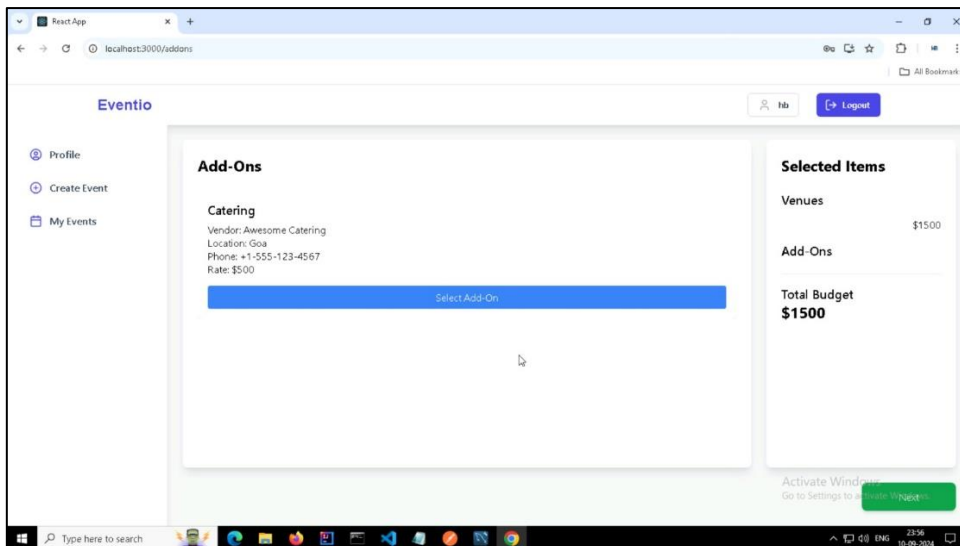
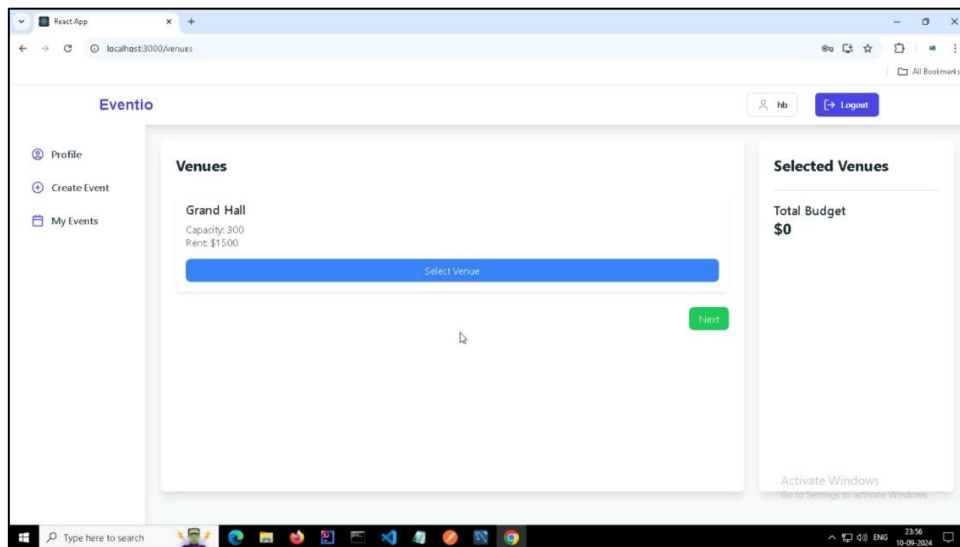
### Features:

- Users can create events by providing event details such as event type, location, and date.
- Select venues based on location and date.
- Select vendors based on services offered (e.g., photographers, caterers).
- Payment integration using Razorpay.
- After successful payment, users can download event details in PDF format (including location, hostname, event type, etc.). This PDF can be used as an invitation to send to guests.

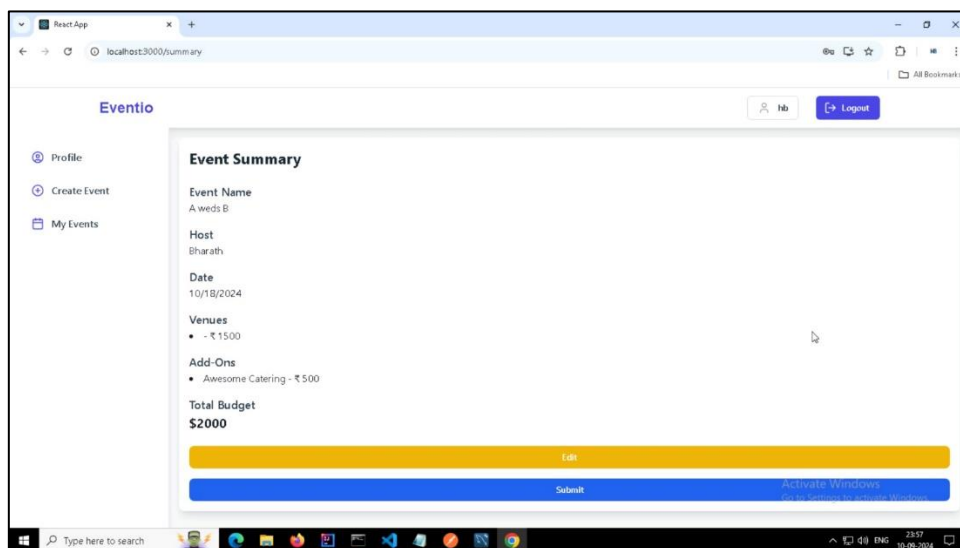
### Output Screenshots:

#### • Event Creation Page

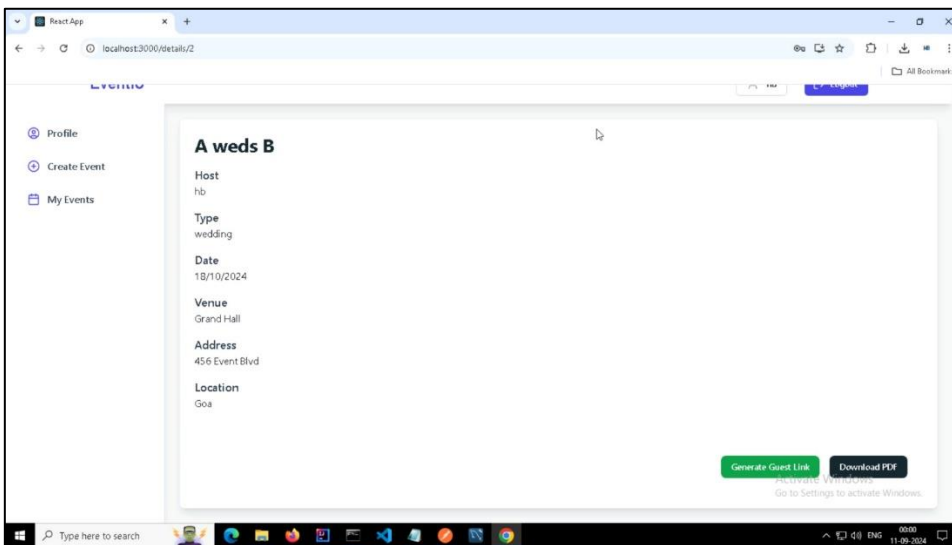
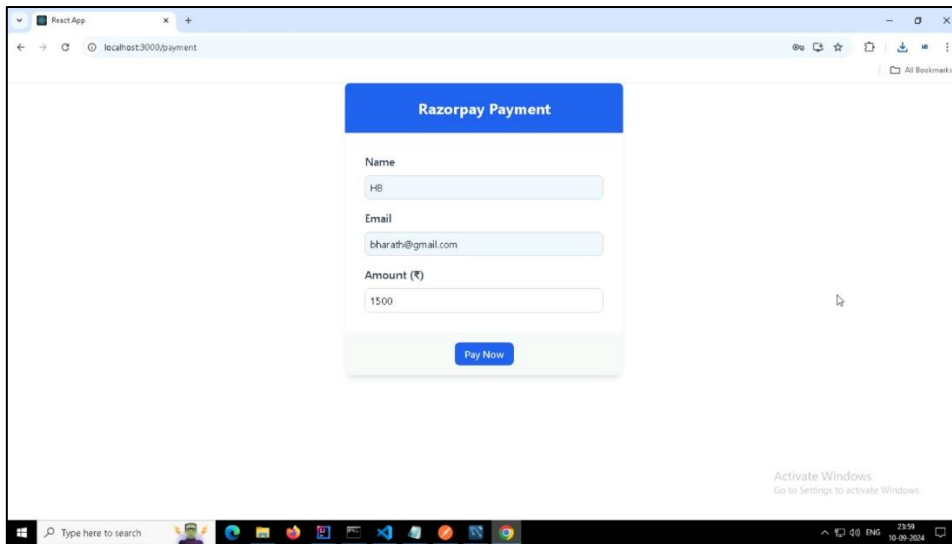
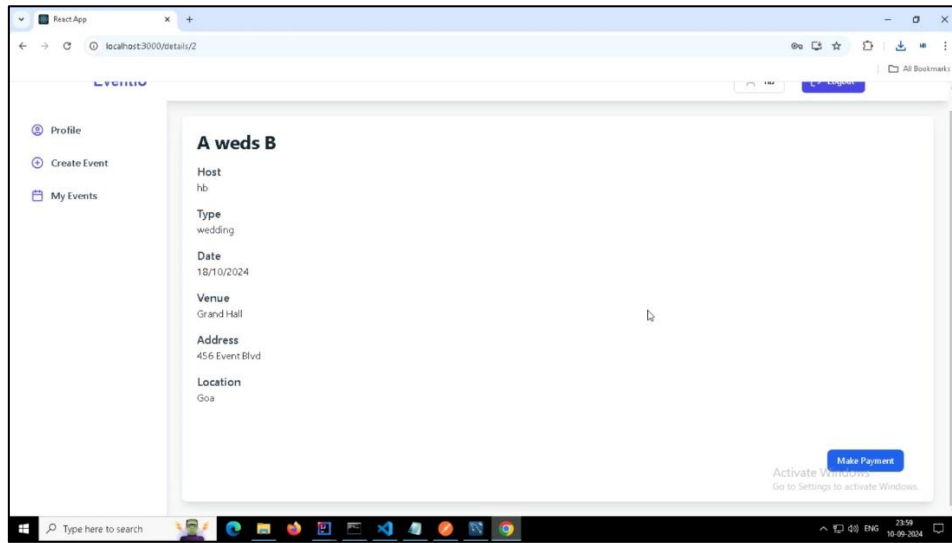
- **Venue Selection and Vendor Selection**



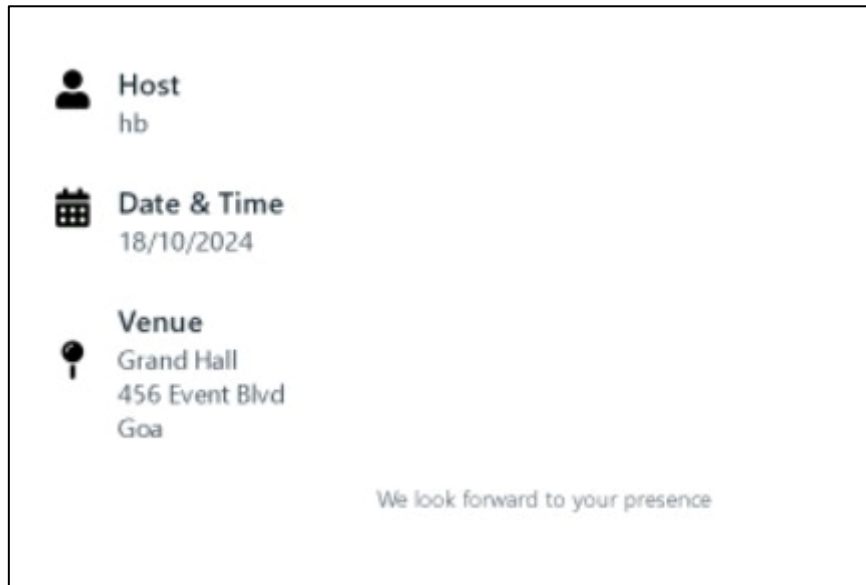
- **Event Summary Page**



- **Payment Section**



- **PDF Invitation Downloaded**



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### Module 3: Vendor Registration and Management

Description:

Develop functionalities for vendor registration and service management.

Features:

- Vendors can register by filling out a form with their details (name, service type, phone number, location).
- Vendors receive purchase emails when their services are selected by users.

**Output Screenshots:**

- **Vendor Registration Page**

**Vendor Registration**

Vendor Name

Vendor Email

Vendor Phone

Vendor Location

Type  
Select Type

Rate

Upload Photos  
 No file chosen

- **Vendor Purchase Order Email**

Purchase Order  
=====

Order Details:  
-----

Order ID:    ORD-20240905103339-0004-3984-0024  
Event Name:   X Weds Y  
Vendor Name:   AB  
Host:         HB  
Date:         2024-09-29

Venue Information:  
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Venue:        Seaside Resort  
Address:       456 Beachside Road, Goa, 403516

Vendor Details:  
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Rate:         ₹5000.0

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Events & Co.  
Manager

Thank you for your business!

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## Module 4: Admin Dashboard for Event and Vendor Management

### Description:

Create a simple admin dashboard with event and vendor management functionalities.

### Features:

- Admins can view and approve/reject event submissions and vendor registrations.
- Admins can monitor upcoming events and manage vendors.

### Output Screenshots:

- Admin Dashboard

Welcome, Admin

Profile

Events

Approve

Eventio

Admin

Logout

Previous

September 2024

Next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Events on 2024-09-16:

No events scheduled for this day.

- Vendor Approval Page

Welcome, Admin

Profile

Events

Approve

Eventio

Admin

Logout

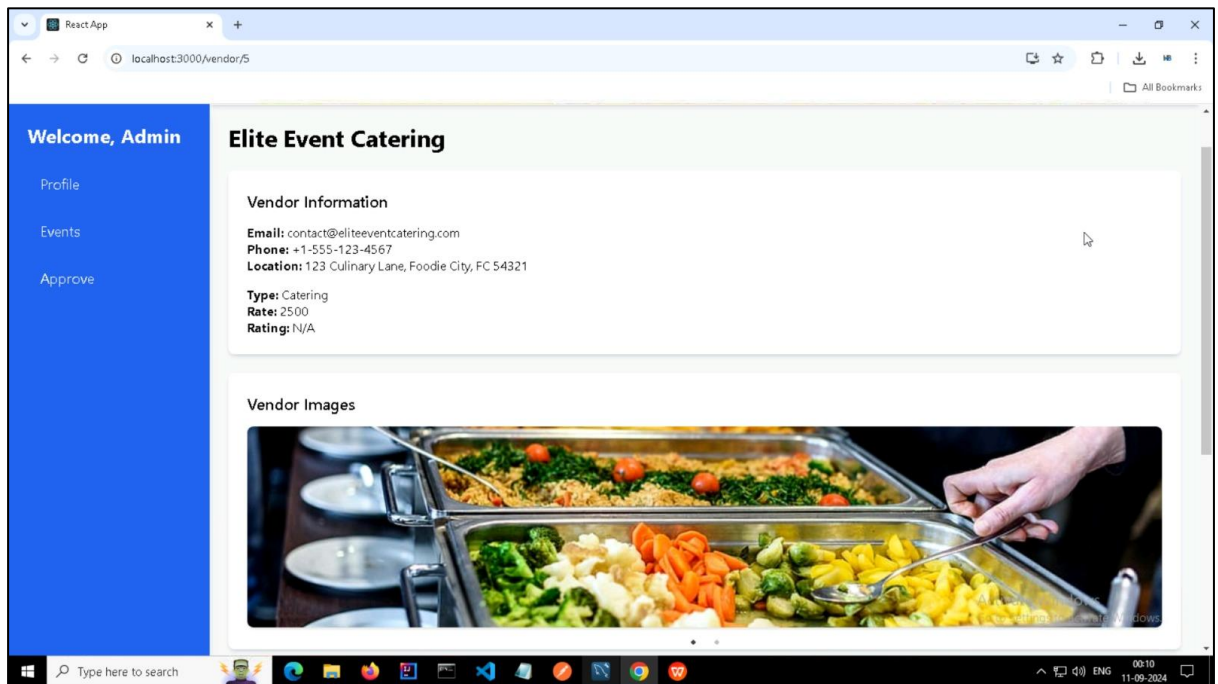
Vendor Approval

Vendor Name	Email	Phone	Location	Type	Rate	Actions
Elite Event Catering	contact@eliteeventcatering.com	+1-555-123-4567	123 Culinary Lane, Foodie City, FC 54321	Catering	2500	<div>✓</div> <div>✗</div>

Activate Windows  
Go to Settings to activate Windows.



- **Vendor Details Page**



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## 5. Evaluation Criteria:

Milestone 1 Evaluation (Week 7):

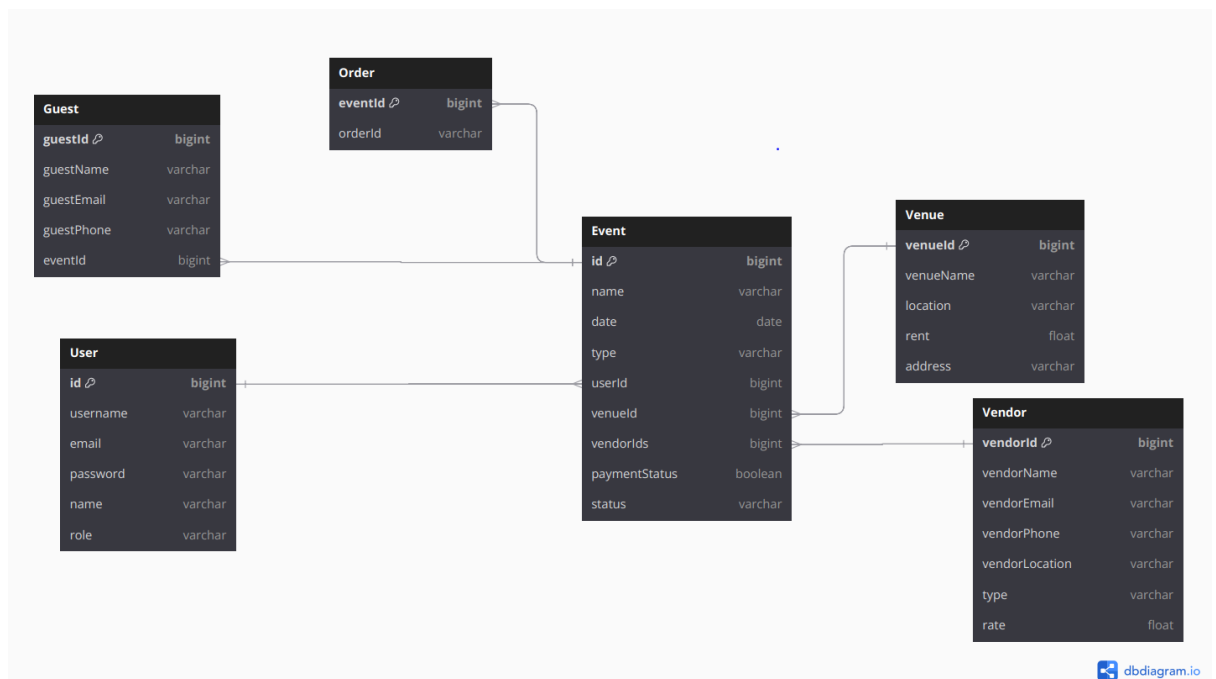
Successful implementation of:

- User authentication and role management.
- Event creation, vendor selection, payment integration, and PDF invitation download.
- Admin dashboard with event and vendor management functionalities.

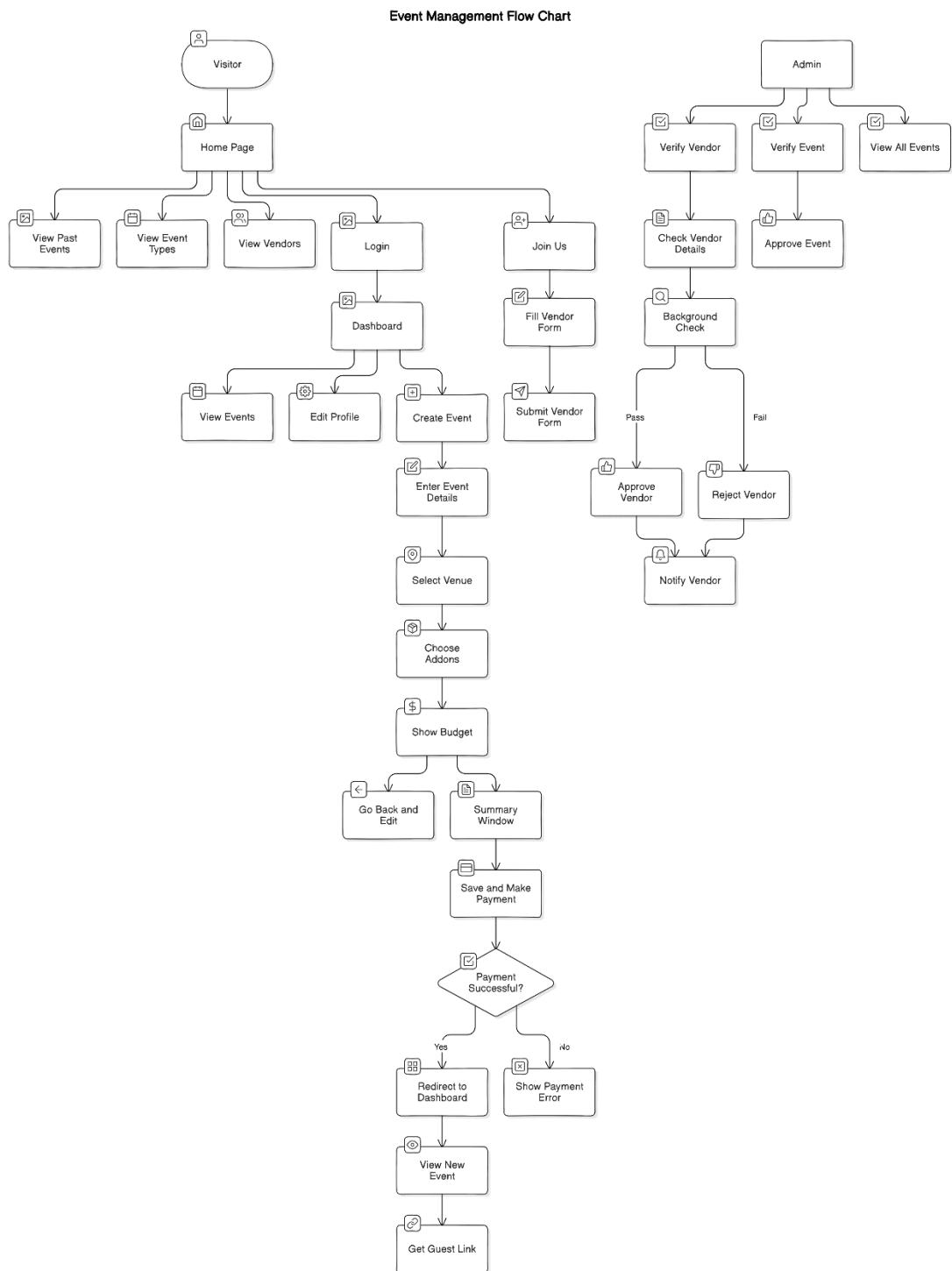
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## 6. Design Diagrams:

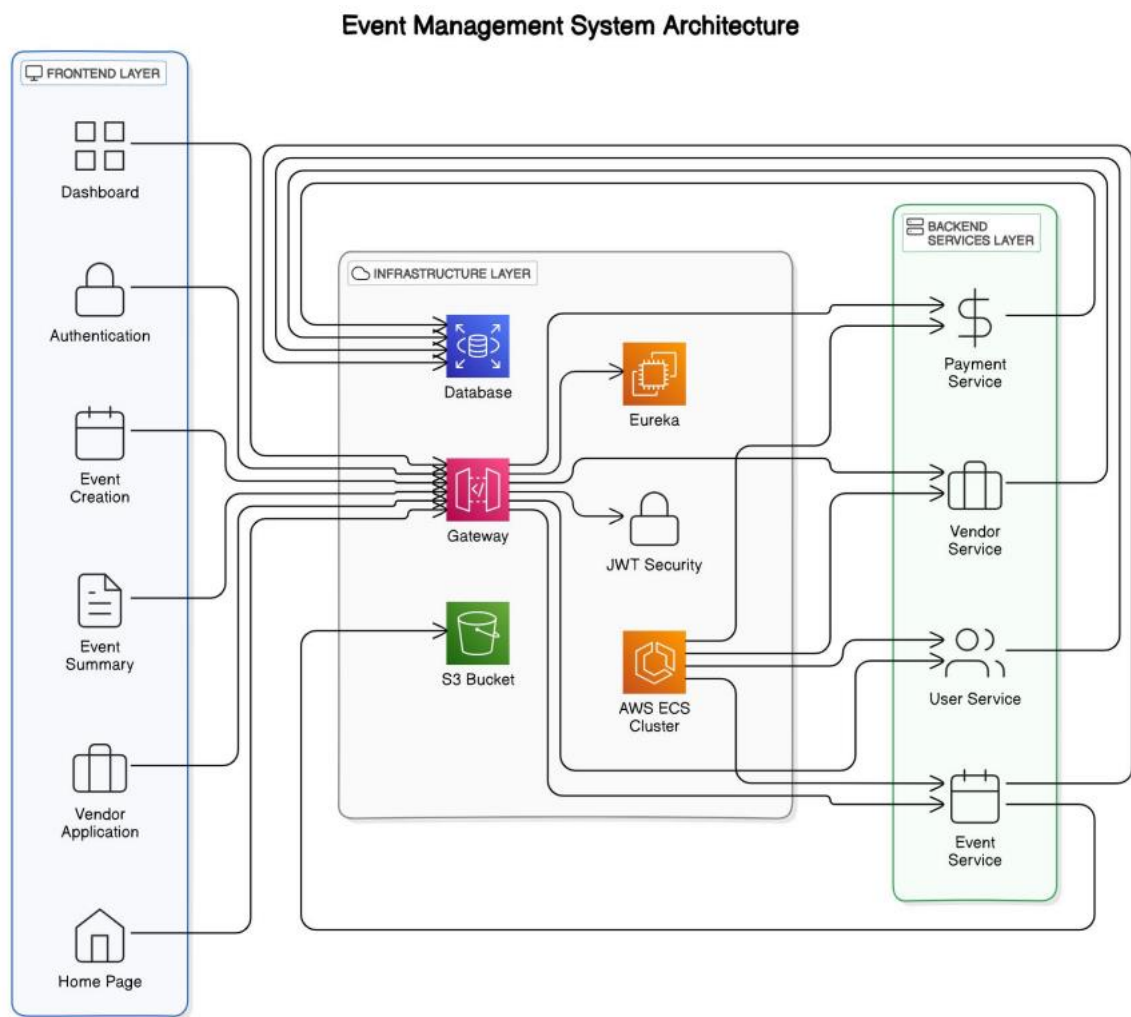
- Database Diagram



- **Data Flow Diagram**

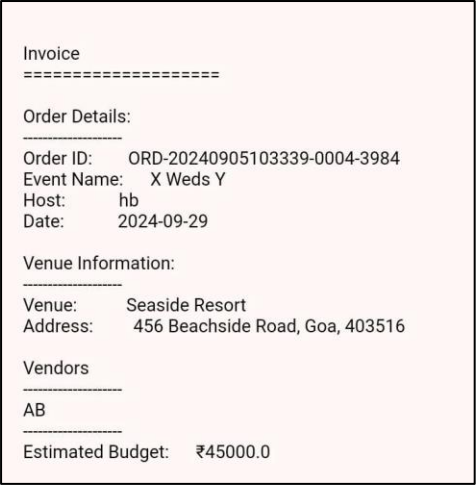


- **Architecture Diagram**

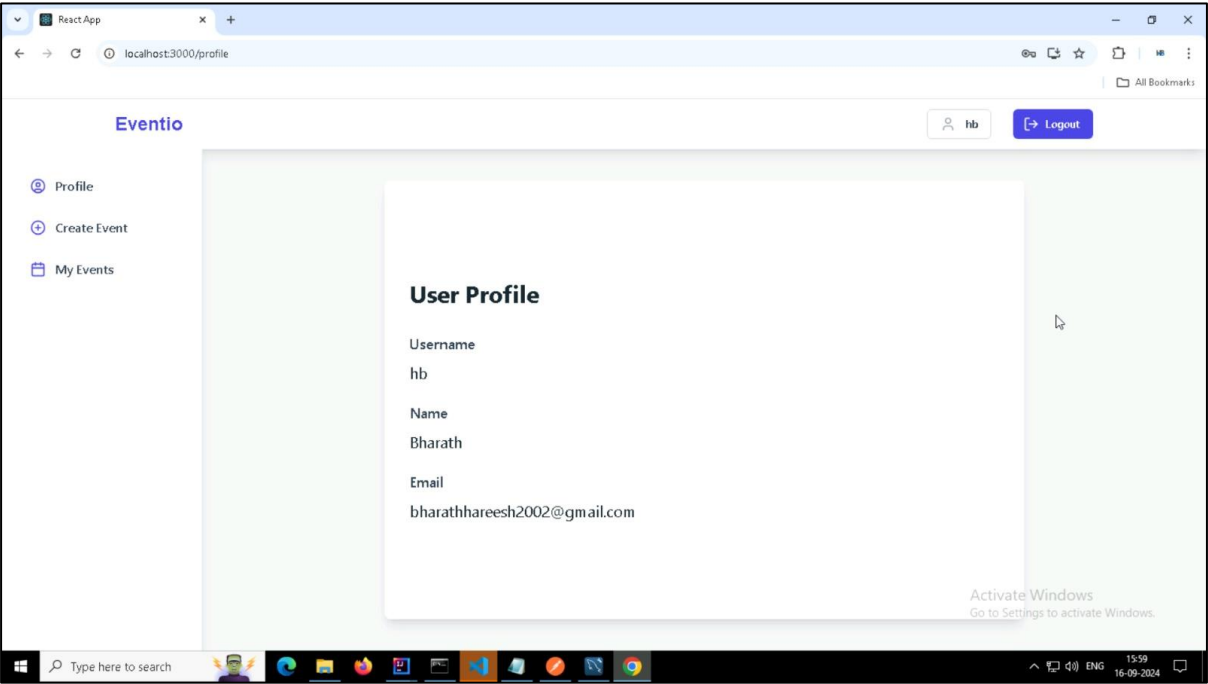


**7. Output Screenshots:**

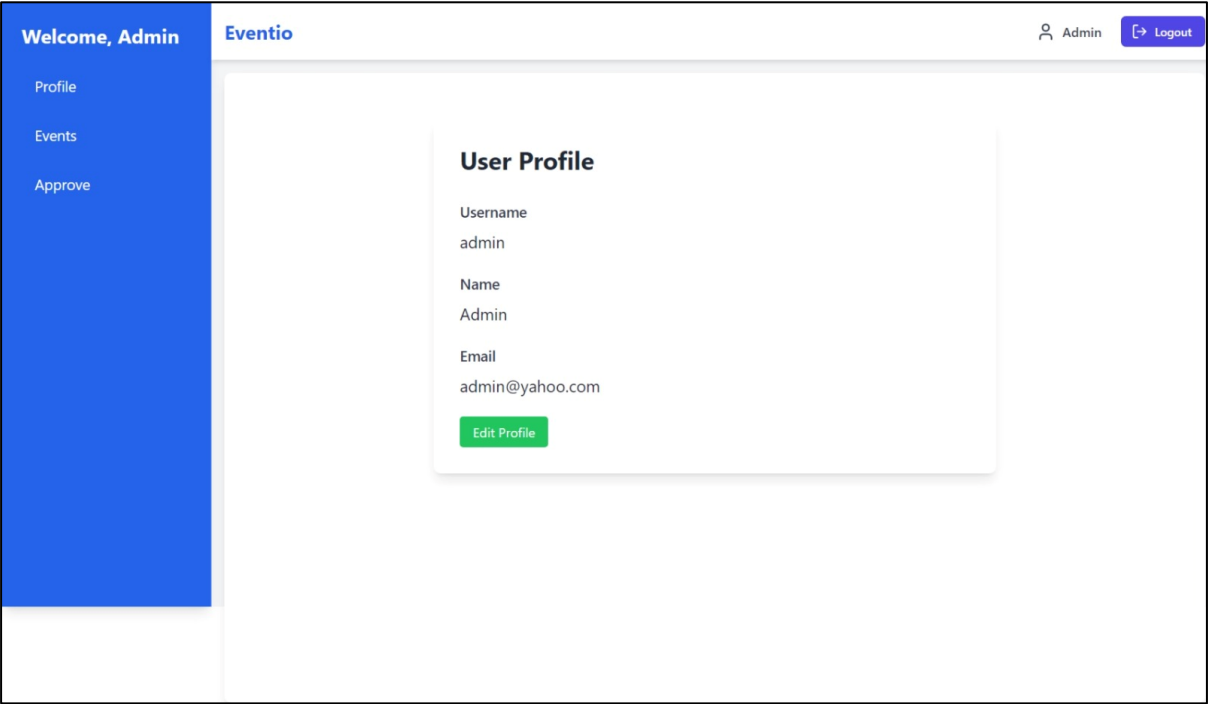
- **User Invoice Mail Screenshot**



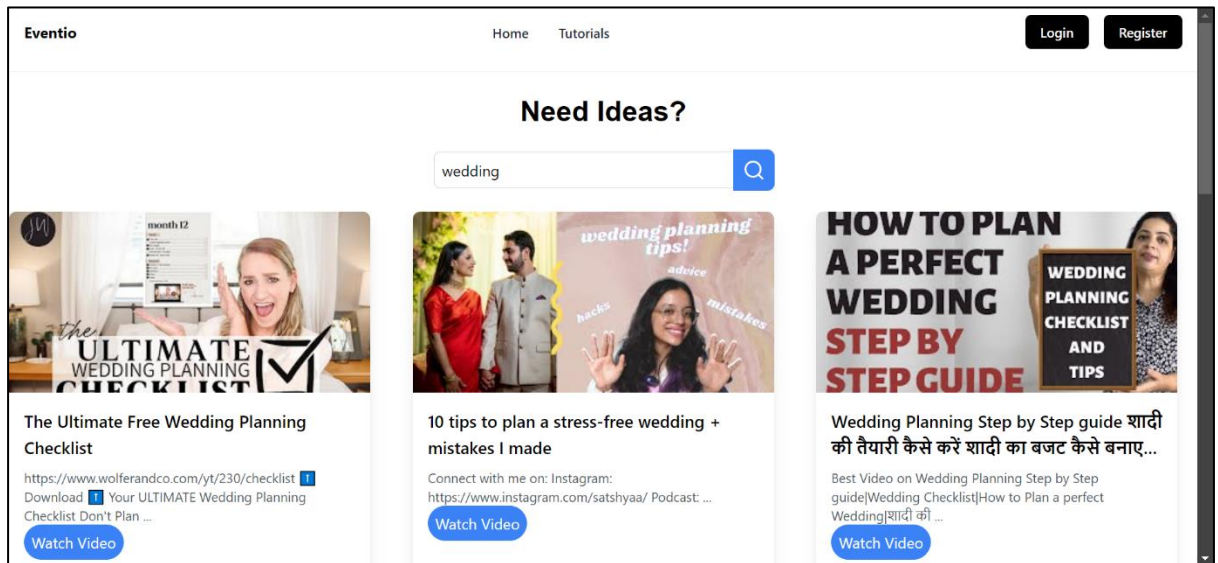
- **User Profile**



- **Admin Profile**



- **Tutorial Page**



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## 8. Timeline Overview:

### Weeks 1-5: Learning Phase

- Spring (Week 1)
- Microservice Architecture (Week 2)
- Security (Week 3)
- React (Weeks 4-5)

### Weeks 6-7: Project Implementation

- Week 6: Implement user authentication, event creation, vendor selection, and payment processing.
- Week 7: Complete PDF invitation download, vendor management, admin dashboard, and mail sending process.