EVENT MANAGEMENT PROJECT

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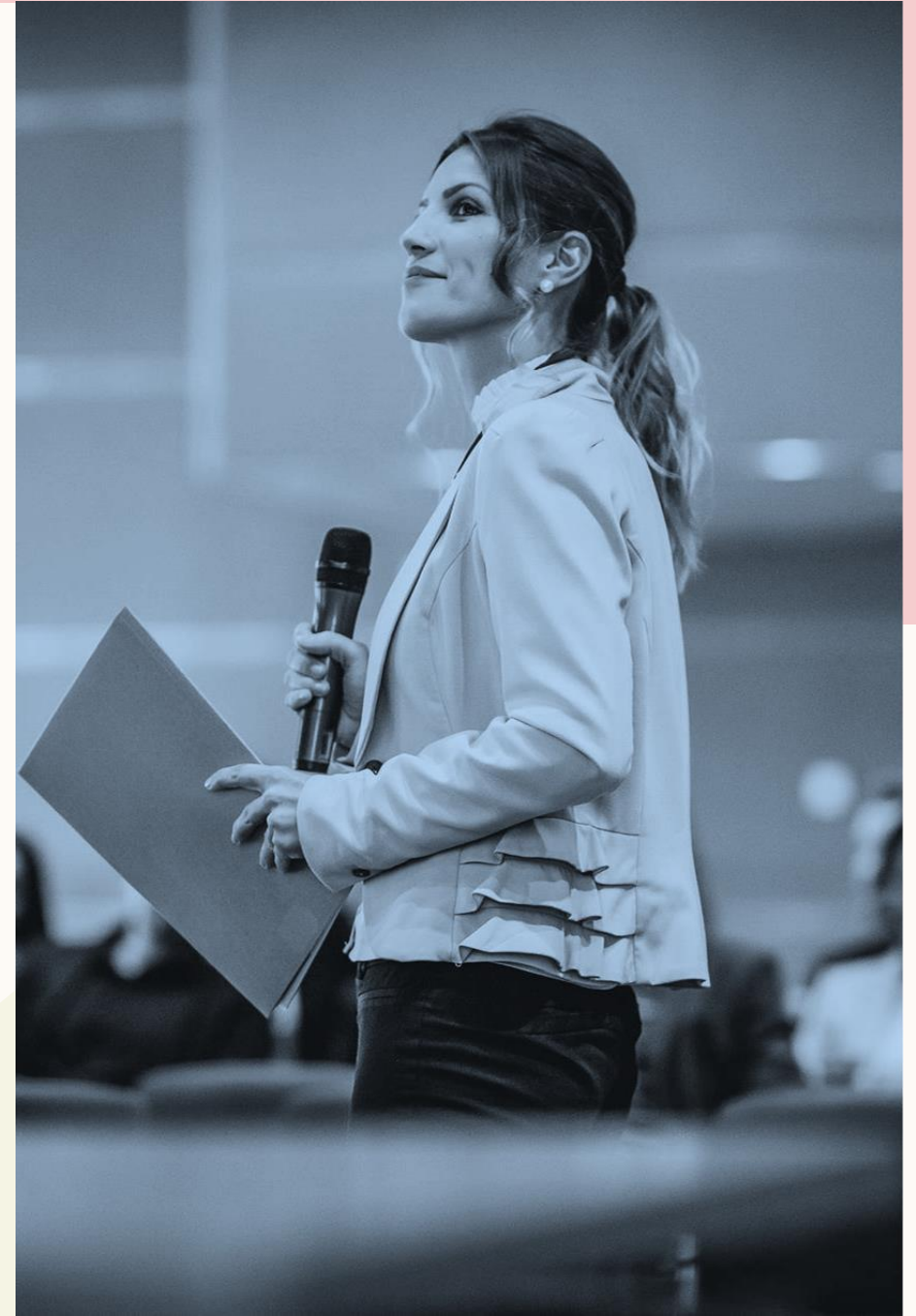
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ABSTRACT
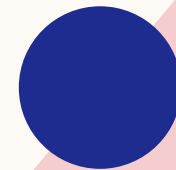
The event management system aims to streamline event organization and management Implement modules including User Authentication and Registration, Appointment Scheduling Interface, Hall Availability Management, Booking Information Management, Appointment Management, Notification System, and Admin Dashboard. Through this project, users will experience a user-friendly interface while organizers and administrators benefit from efficient event planning and monitoring capabilities.

TECH STACK USED

FRONTEND TECHNOLOGIES:

HTML, CSS, JS, BOOTSTRAP

BACKEND TECHNOLOGIES:

DJANGO, PYTHON, AWS EC2 (for deployment)

DATABASE:

DJANGO ADMIN

PROJECT EXPLANATION

- The online event management system project leverages a combination of frontend technologies such as HTML, CSS, JavaScript, Bootstrap, and Django, Python for the backend, to create a comprehensive platform for event organization. Each module plays a crucial role in facilitating different aspects of event management.

DFD DIAGRAM
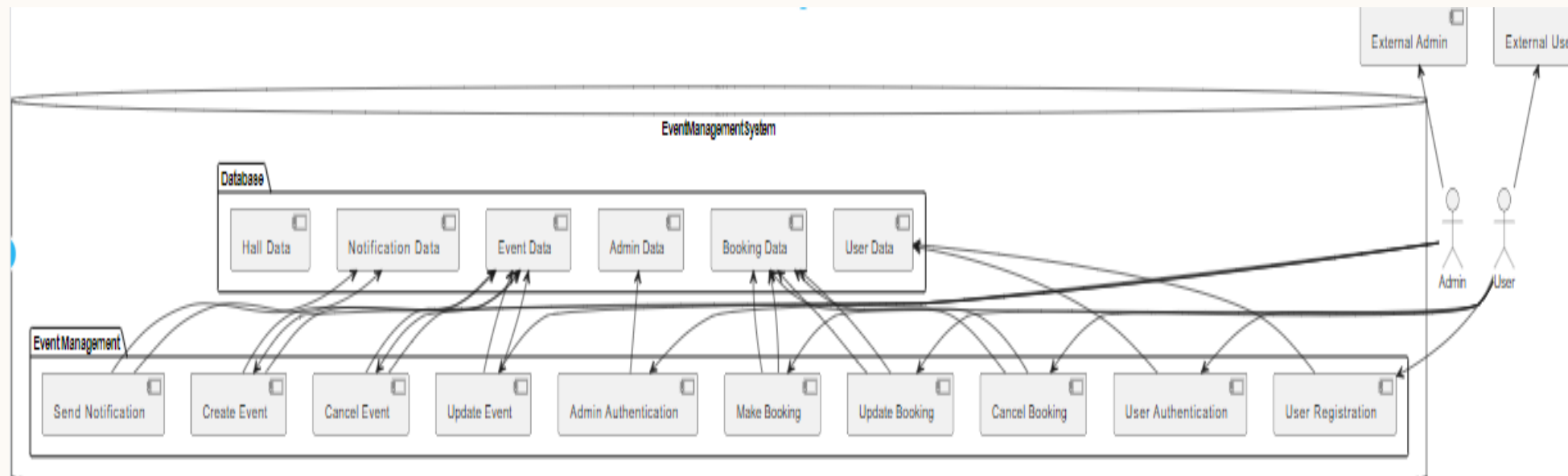
User Authentication and Registration:

Users can securely register and authenticate themselves to access the system, ensuring data integrity and user privacy.

Appointment Scheduling Interface:

This module will facilitate the scheduling of appointments for events, allowing organizers to set available time slots and attendees to book appointments accordingly.

Hall Availability Management:

The system will manage the availability of event halls or venues, providing real-time updates on hall bookings and availability status.

Booking Information Management:

Users can view and manage their event bookings, including modifying or canceling appointments as needed

Appointment Management:

Organizers will have tools to efficiently manage appointments, such as approving or rejecting appointment requests, sending reminders, and updating event details.

Admin Dashboard:

An intuitive dashboard will be provided for administrators to oversee the system's operations, manage user accounts, monitor bookings and perform other administrative tasks efficiently.

By implementing these modules, the proposed online event management system will offer a seamless and efficient solution for organizing and managing events, catering to the needs of event organizers and attendees. Python's versatility and extensive libraries make it an ideal choice for developing such a sophisticated system, promising reliability, scalability, and ease of maintenance.

OUTPUT SCREEN

HOSTED LINK

http://3.110.101.226:8000/
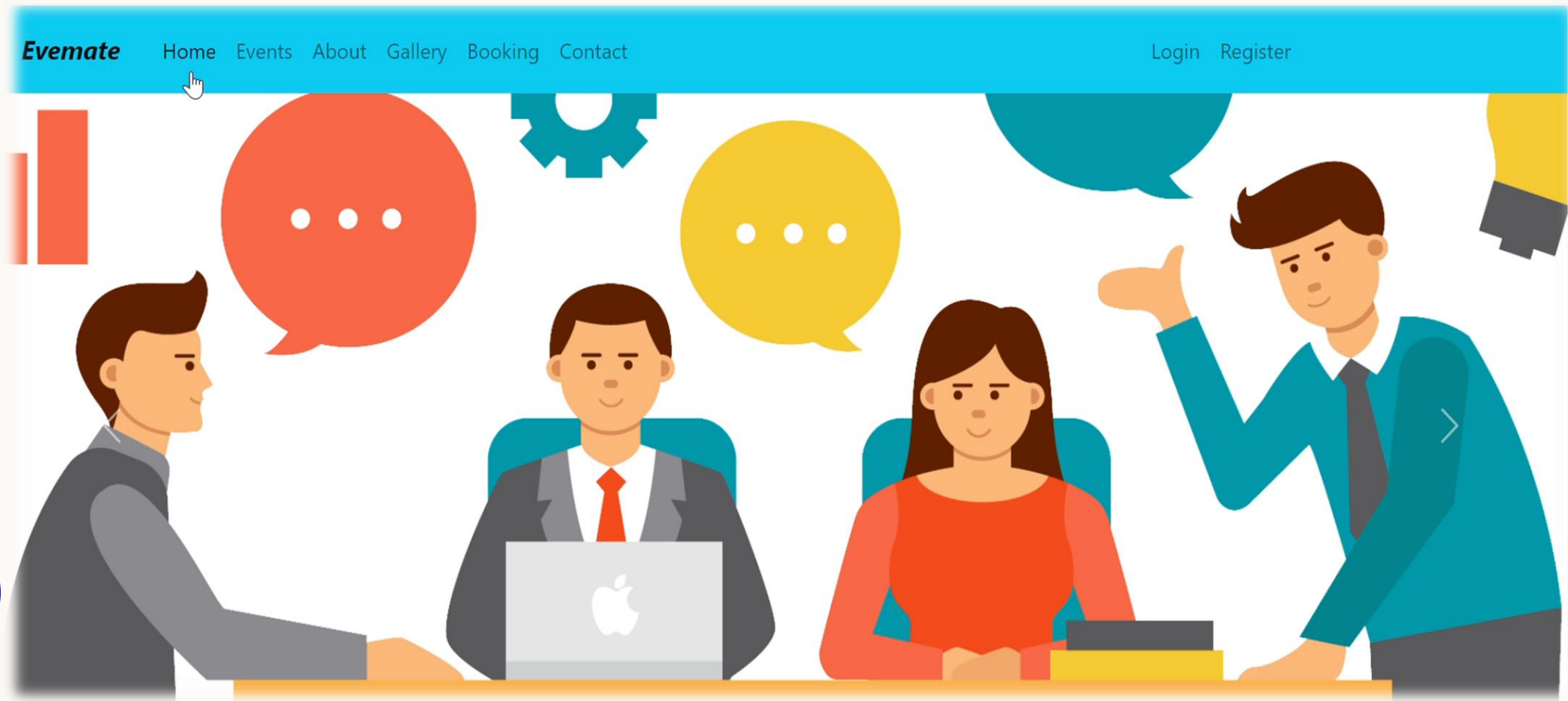
Description

Our Event Management system is hosted on Amazon EC2, ensuring robust performance and high availability.

CHALLENGES FACED:

Storing Details in Django Admin
As new users of Django, we were initially confused about where to add specific changes, such as in the models.py and forms.py files.

Converting HTML Files to Django Templates
Integrating HTML files with Django templates and using CSRF tokens was a learning curve.

Integration with EC2
During the deployment of our project, we encountered several issues related to setting up and configuring the EC2 instance.

These challenges highlighted the complexities we faced and overcame during the development and deployment of our event management system, showcasing our problem-solving abilities and commitment to learning new technologies.

FUTURE SCOPE

Mobile Application:
Develop a mobile application for both Android and iOS to increase accessibility.

Integration with Payment Gateways:
Integrate secure payment gateways for online transactions.

Automated Notifications and Reminders:
Add automated email and SMS notifications for bookings and reminders.

AI-Powered Recommendations:
Use AI to provide personalized recommendations for event planning and scheduling.

Multi-Language Support:
Expand the platform to support multiple languages to cater to a global audience.

THANK YOU