Project Report

Event Management System

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Technology Stack:

- **Django (Python)**
- **Bootstrap**
- **HTML5/CSS3**
- **SQLite**
- **Git**

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1. Introduction

In today's dynamic digital world, effective event management has become essential across industries.

The 'Event Management System' is designed as a digital platform to automate and simplify the entire event lifecycle, from creation to registration and feedback.
It ensures operational excellence, eliminates manual errors, and enhances coordination with a modern and user-friendly interface.

2. Project Overview

This web-based solution enables users to manage events efficiently through a centralized system.

It includes real-time notifications, admin analytics, user authentication, and more making it an end-to-end platform for event coordination and participation.

3. Features & Functionality

• Event Creation, Update, Deletion
• Role-Based Access (Admin/User)
• Real-time Notifications
• Search & Filter Options
• Calendar Integration
• Export as PDF
• Feedback Collection
• Responsive Design

4. Technical Architecture

• Backend: Django (Python)

• Frontend: HTML5, CSS3, Bootstrap

• Database: SQLite (scalable to PostgreSQL)
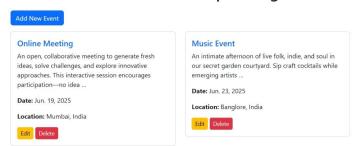
• Version Control: Git & GitHub

• Hosting: Compatible with Heroku and AWS

5. User Interface & Experience

Minimalist, responsive UI ensures seamless navigation. Forms are designed for clarity with inline validation. Mobile-friendly layouts optimize accessibility. Below is a sample form view:
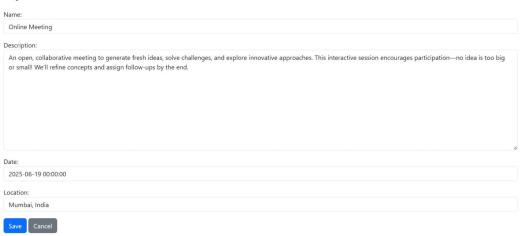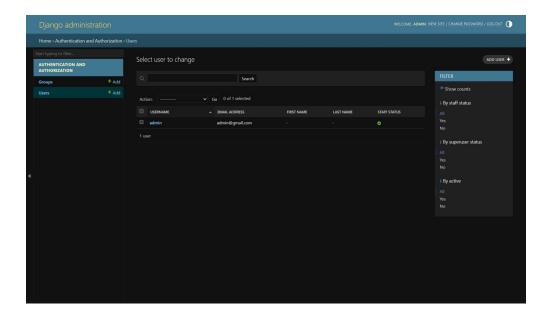
6. Security & Best Practices

Robust authentication, password hashing, CSRF protection, and proper validation make the application secure and reliable. Django's in-built middleware strengthens the backend. Sample admin interface shown below:

7. Conclusion

The system demonstrates full-stack capabilities with attention to usability, security, and scalability.

It reflects the application of professional software development principles suited for real-world deployment.

8. Appendix & References

Technologies Used:

- Django (Python)
- HTML5/CSS3
- Bootstrap
- SQLite
- Git & GitHub

References:
- https://docs.djangoproject.com/
- https://getbootstrap.com/
- https://peps.python.org/pep-0008/
- https://realpython.com/
- https://owasp.org/www-project-top-ten/

Project Link :

- https://github.com/jasonkennethn/Event_Management_System