EVENT MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

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MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

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BONAFIDE CERTIFICATE

Certified that this project report **EVENT MANAGEMENT SYSTEM** is the bonafide work of **RAHUL DUTTA, LOKESH GHOSH, SARUP CHAKRABORTY, TIYAS ADHIKARY, ARNAB ROY** who carried out the project work under my supervision.

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ACKNOWLEDGEMENT

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Abstract:

An event management system is a digital platform that facilitates event planning and ticketing using QR codes. The system allows event organizers to create and manage events. Attendees can register online and receive a unique QR code that serves as their electronic ticket. On the day of the event, attendees simply scan their QR codes at the entrance to gain access to the event. The system provides real-time attendance tracking, enhances security, and simplifies event logistics for both organizers and attendees.

CHAPTER 1: (Introduction & Purpose)

1. Introduction:

In recent years, the use of QR codes has become increasingly prevalent in various industries, including event management. QR codes offer a convenient and secure method for event organizers to manage ticketing and attendance tracking. An event management system using QR code technology can streamline the entire event process, from registering for the event to entry management for the event, making it a popular choice for both small and large-scale events.

2. Purpose:

The purpose of this project report is to provide an in-depth analysis of an event management system using QR code technology. The report will cover the key features and benefits of the system, including the ticketing process, attendance tracking, and security measures. Additionally, the report will provide insights into the development process, including the technologies used and the challenges faced during implementation. The report aims to demonstrate the potential of an event management system using QR code technology and its ability to simplify event planning and improve attendee experiences. Through this project report, readers will gain a comprehensive understanding of the benefits and challenges of implementing an event management system using QR code technology.

3. Scope for Development for this paper:

- Event Admins can create an event.
- Super Admin will verify the event and approve or disapprove as required.
- Event will be listed in the event listing page.
- Participants will register for an event from event page and will receive the QR ticket in the mail.
- On the day of the event participants will give attendance in the event by scanning the QR ticket.
- Admin will track all the participant list and live attendance list, will also take attendance and send proof of participation.

4. Main Module of the System:

- **Admin:** Admin module can create event and manage event; Track participant list and live attendance list, also can send proof of participation.
- **Super Admin:** Super admin module can verify events and can approve or disapprove events as required.
- **Events:** Events will be listed in this module participants can register for events from this module.

5. User Interfaces:

- **Login and Sign Up:** This section will allow admins to create an event and login in to its dashboard. This section will also allow super admin to login to its dashboard to verify events.
- **Home page and event listing page:** Here basic information about this software will be available and events will be listed here.
- **Event Page:** Every event will have its own page with banners and information.
- **Admin Dashboard:** From this section admins can manage event and can create another admin.
- **Super Admin Dashboard:** From this section super admin can verify events.

CHAPTER 2: (Requirement Analysis)

1. Requirement and Specifications:

A) Functional Requirement:

i) Admins will create event and Super admin will verify the event before listing at the event page.
ii) The login and password are verified for authentication.
iii) Admins can view participants list and live attendance list.
iv) Admins will take attendance.

B) Non – Functional Requirement:

a) Performance Requirement:

The proposed system that can be developed will have to be responsible and scalable. Therefore, it is expected that the database would perform functionally. Performance requirements concern the speed of operation of a system.

b) Security Requirements:

The system should be secure, with appropriate measures in place to protect user data and prevent unauthorized access.

c) Safety Requirement:

By increasing a robust and proven MYSQL into the system, reliable performance and integrity of data is ensured.

CHAPTER 3: (Development Tool)

1. Development:

- Frontend: BOOTSTRAP, HTML, CSS, JAVASCRIPT
- Backend: PHP
- Database: MySQL

CHAPTER 4: (System Design)

1. Er Diagram:

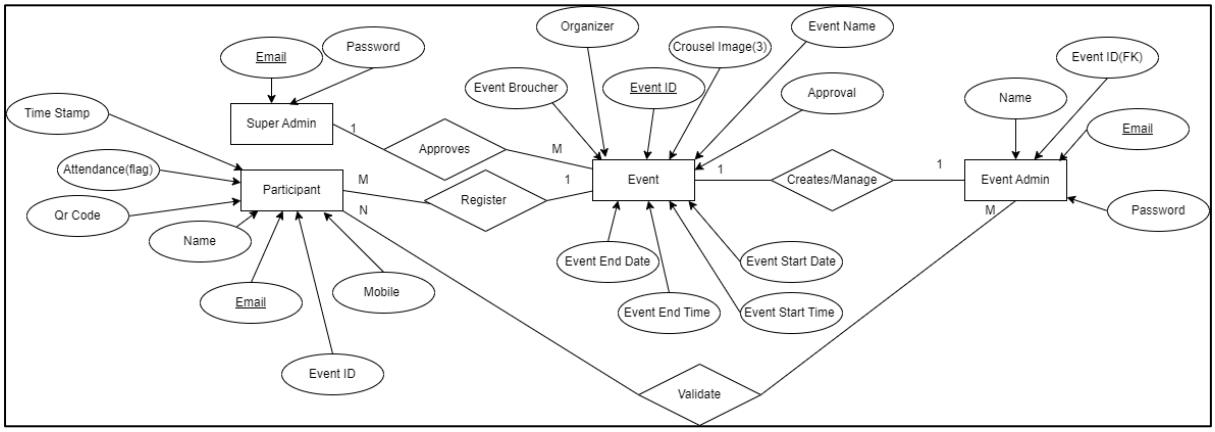


DIAGRAM 4.1.1: ER DIAGRAM

2. Data Flow Diagram:

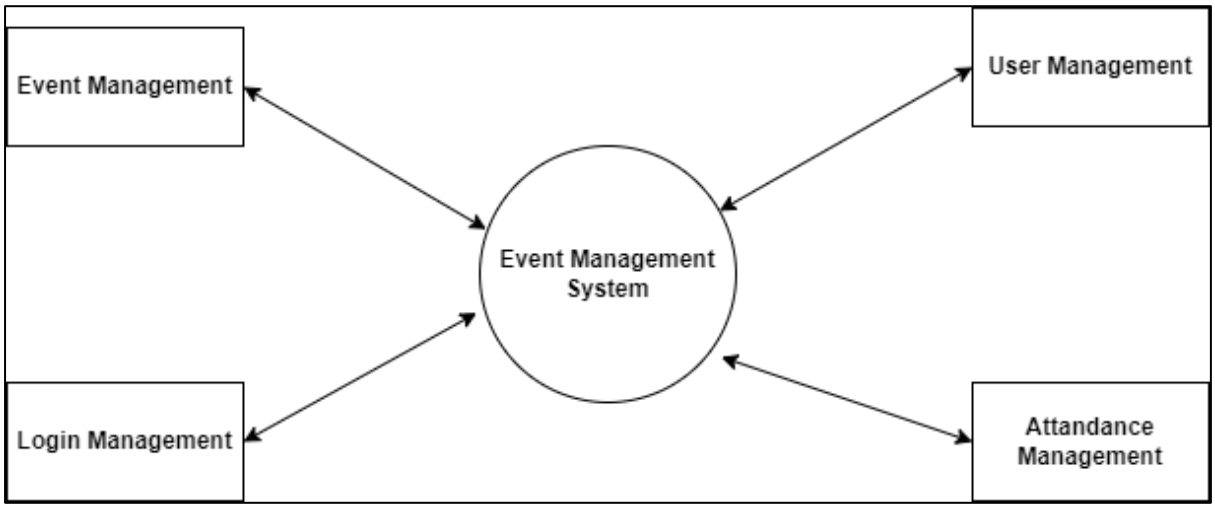


DIAGRAM 4.2.1: DFD-LEVEL-0

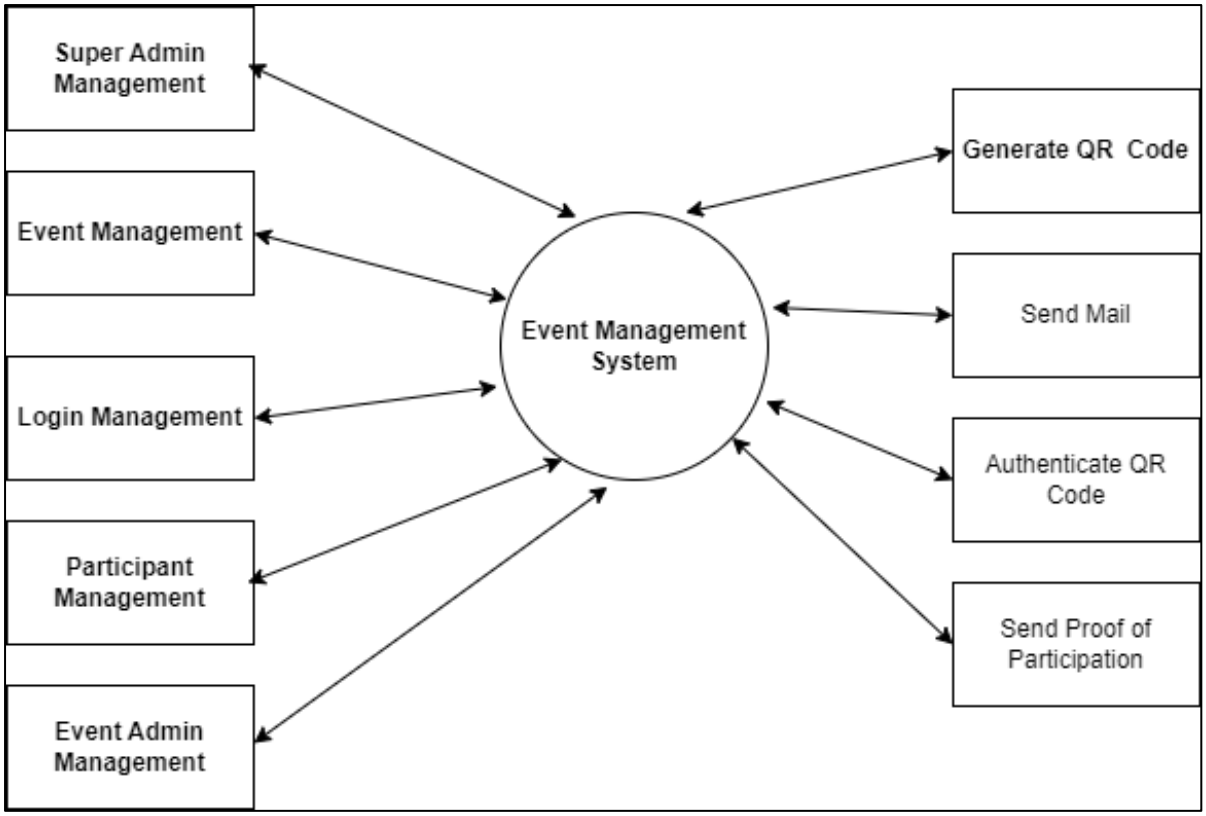


DIAGRAM 4.2.2: DFD-LEVEL-1

3. Use Case Diagram:

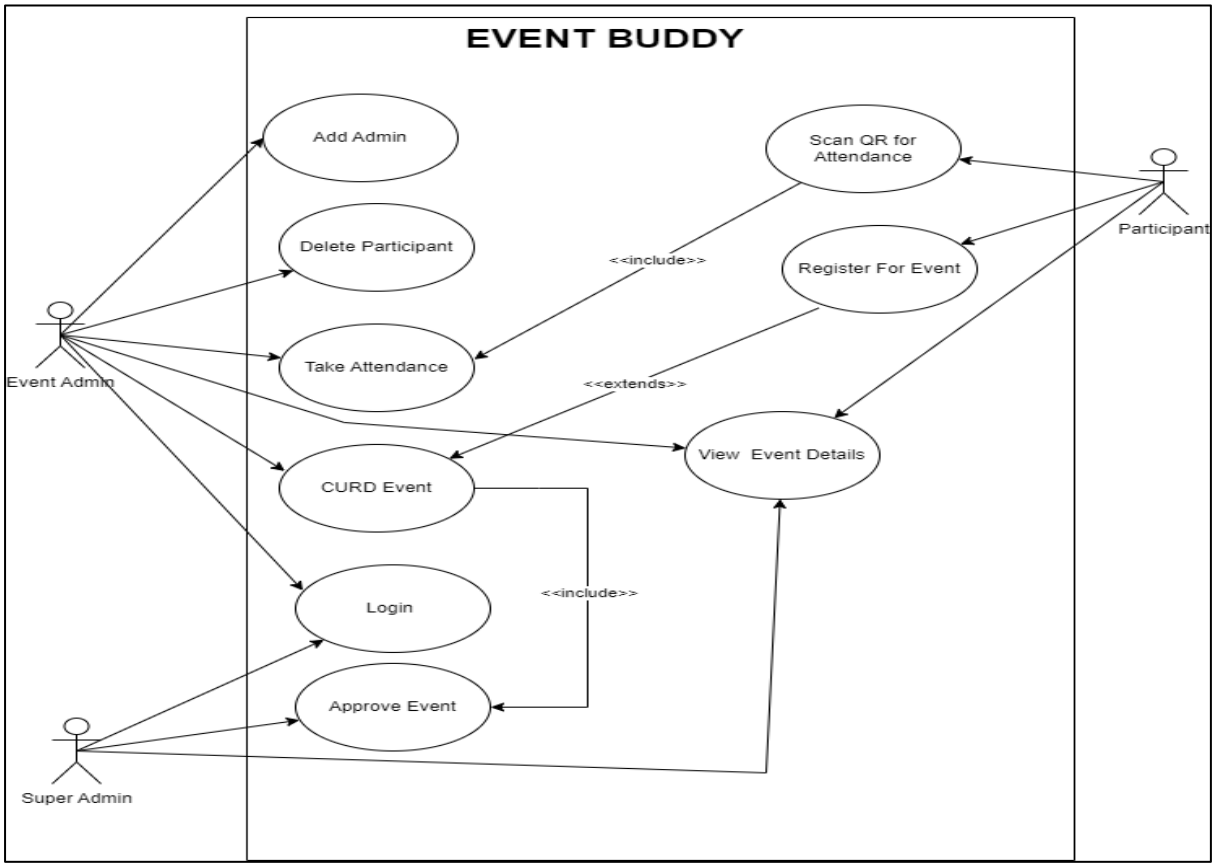
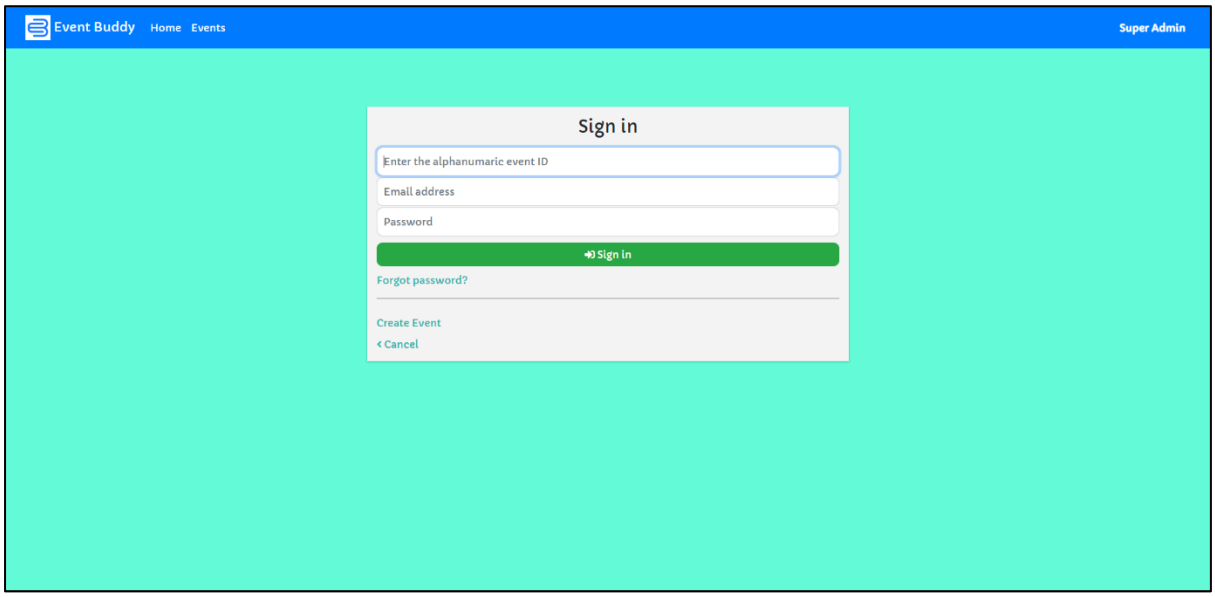
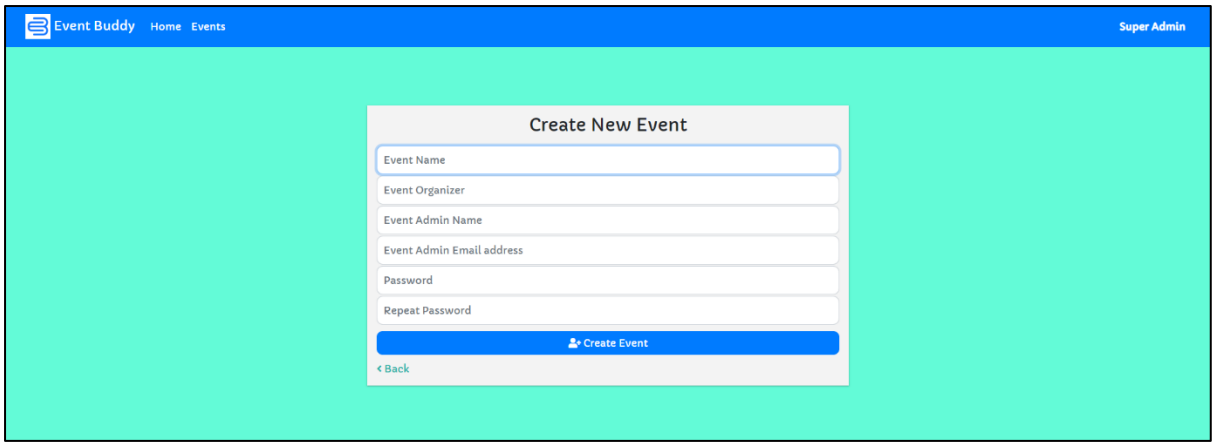


DIAGRAM 4.3.1: USE CASE DIAGRAM

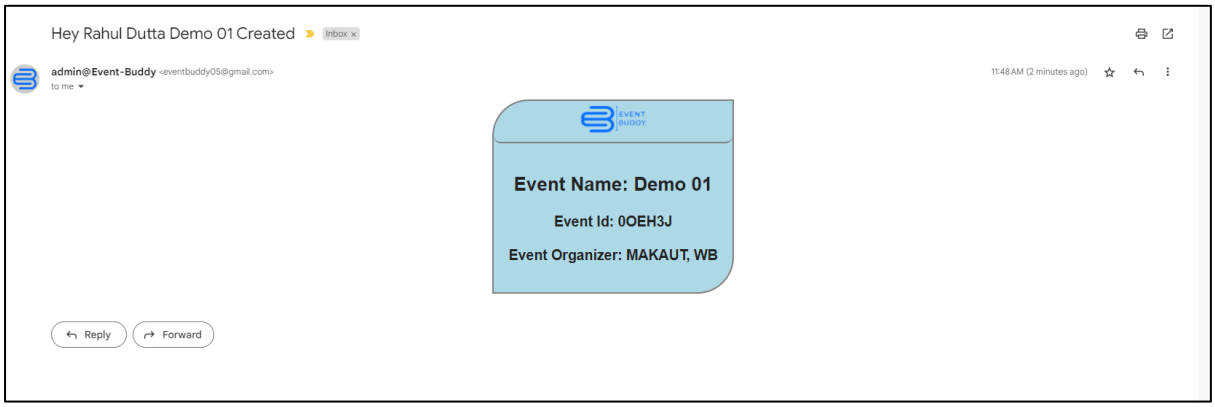
4. System Implementation (Screenshot):



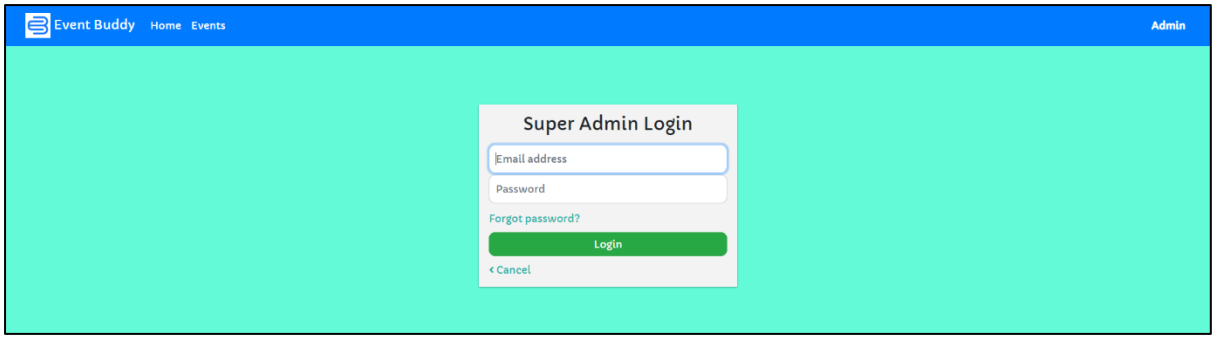
SCREENSHOT 4.4.1: ADMIN LOGIN PAGE



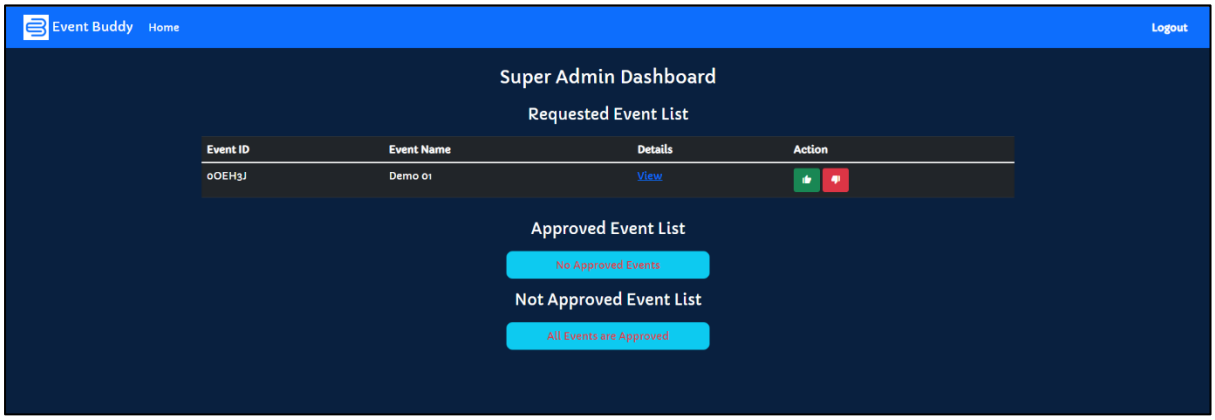
SCREENSHOT 4.4.2: CREATE EVENT PAGE



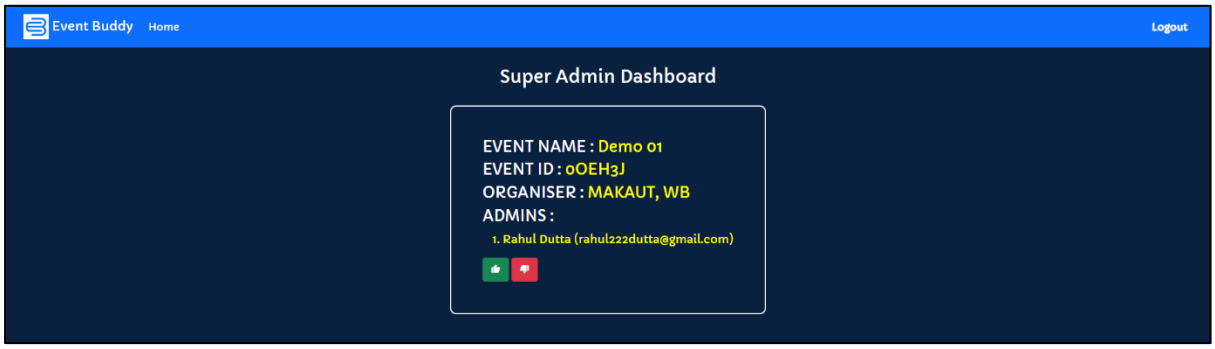
SCREENSHOT 4.4.3: MAIL RECEIVED BY ADMIN AFTER CREATING EVENT



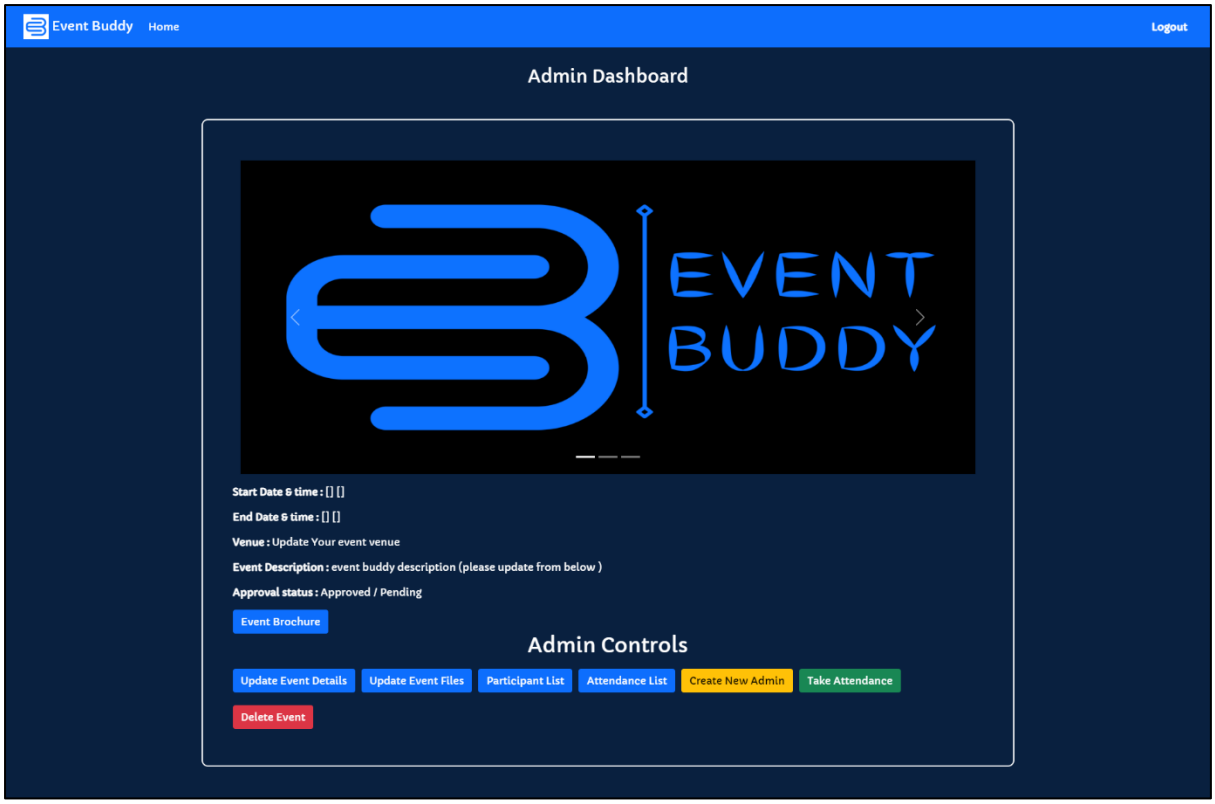
SCREENSHOT 4.4.4: SUPER ADMIN – LOGIN PAGE



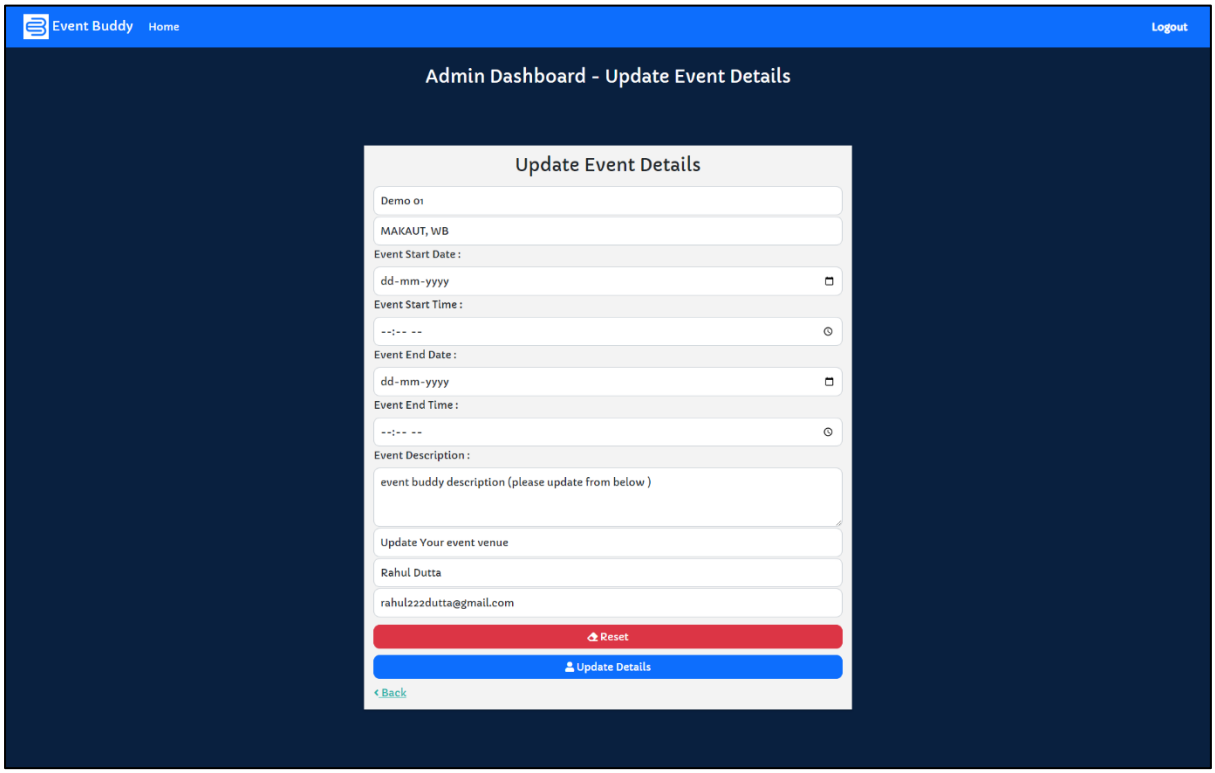
SCREENSHOT 4.4.5: SUPER ADMIN - DASHBOARD



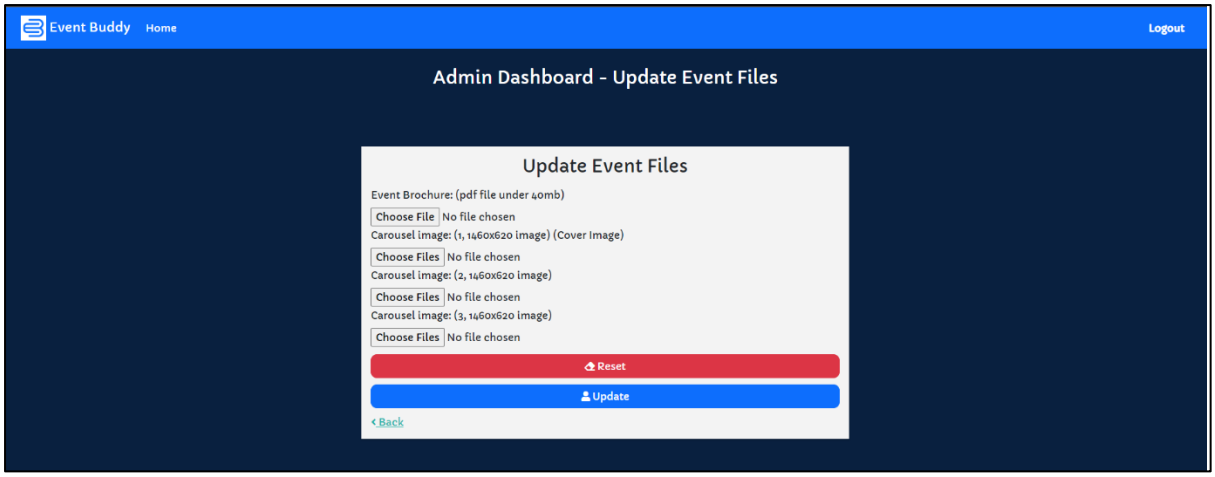
SCREENSHOT 4.4.6: SUPER ADMIN - VIEW EVENT DETAILS PAGE



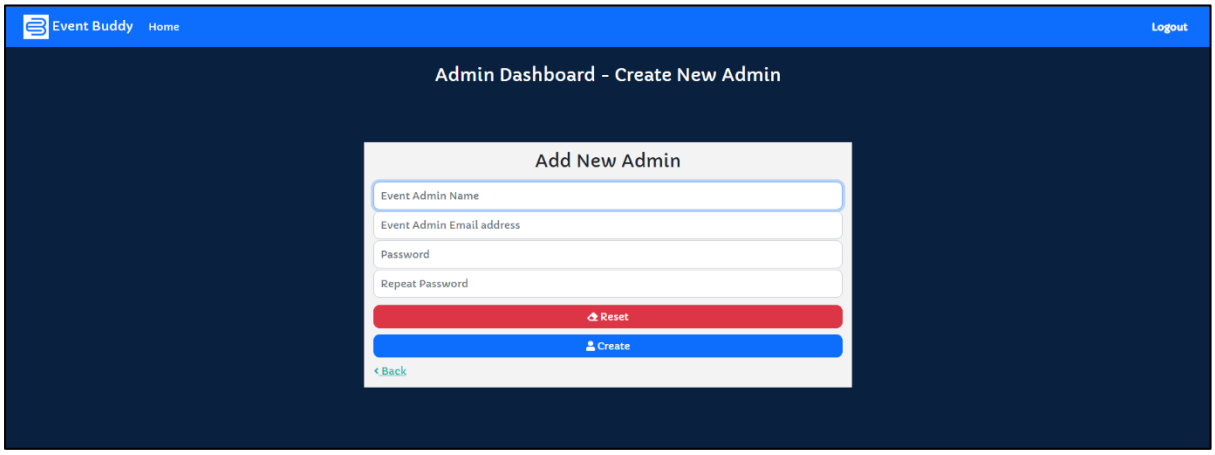
SCREENSHOT 4.4.7: ADMIN DASHBOARD



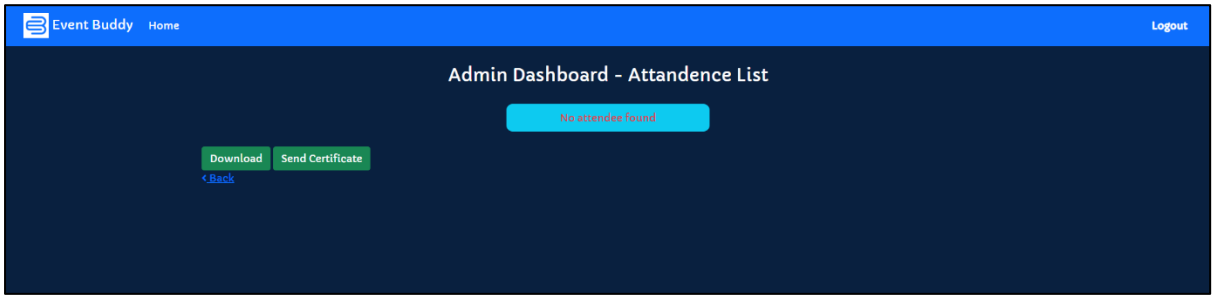
SCREENSHOT 4.4.8: ADMIN – UPDATE EVENT DETAILS



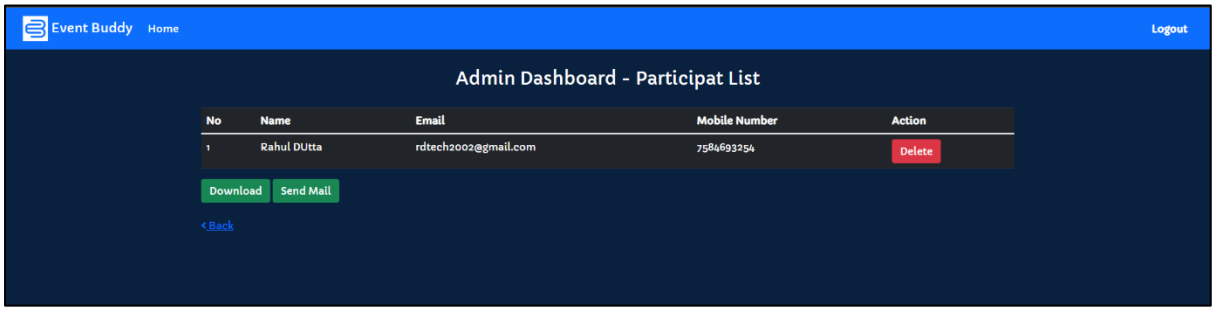
SCREENSHOT 4.4.9: ADMIN – UPDATE EVENT FILES



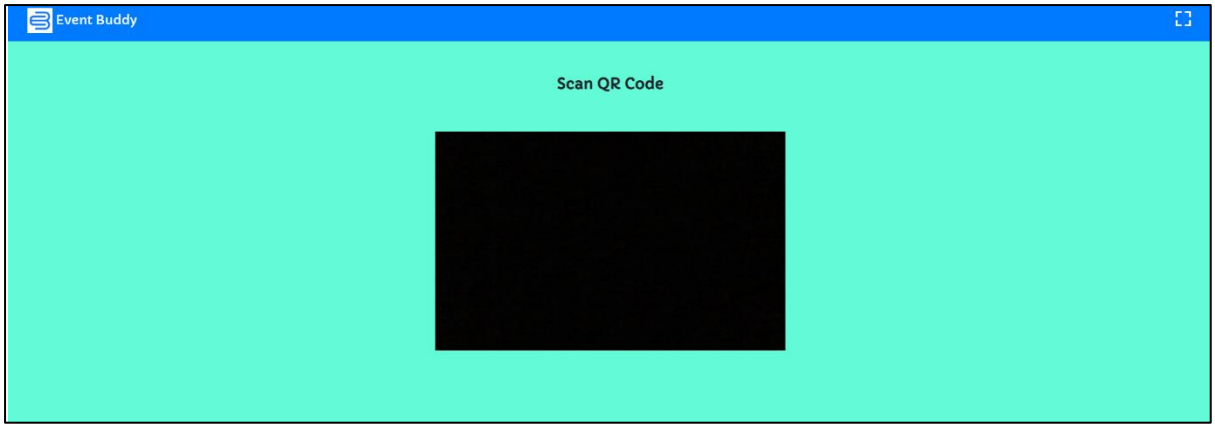
SCREENSHOT 4.4.10: ADMIN – ADD NEW ADMIN



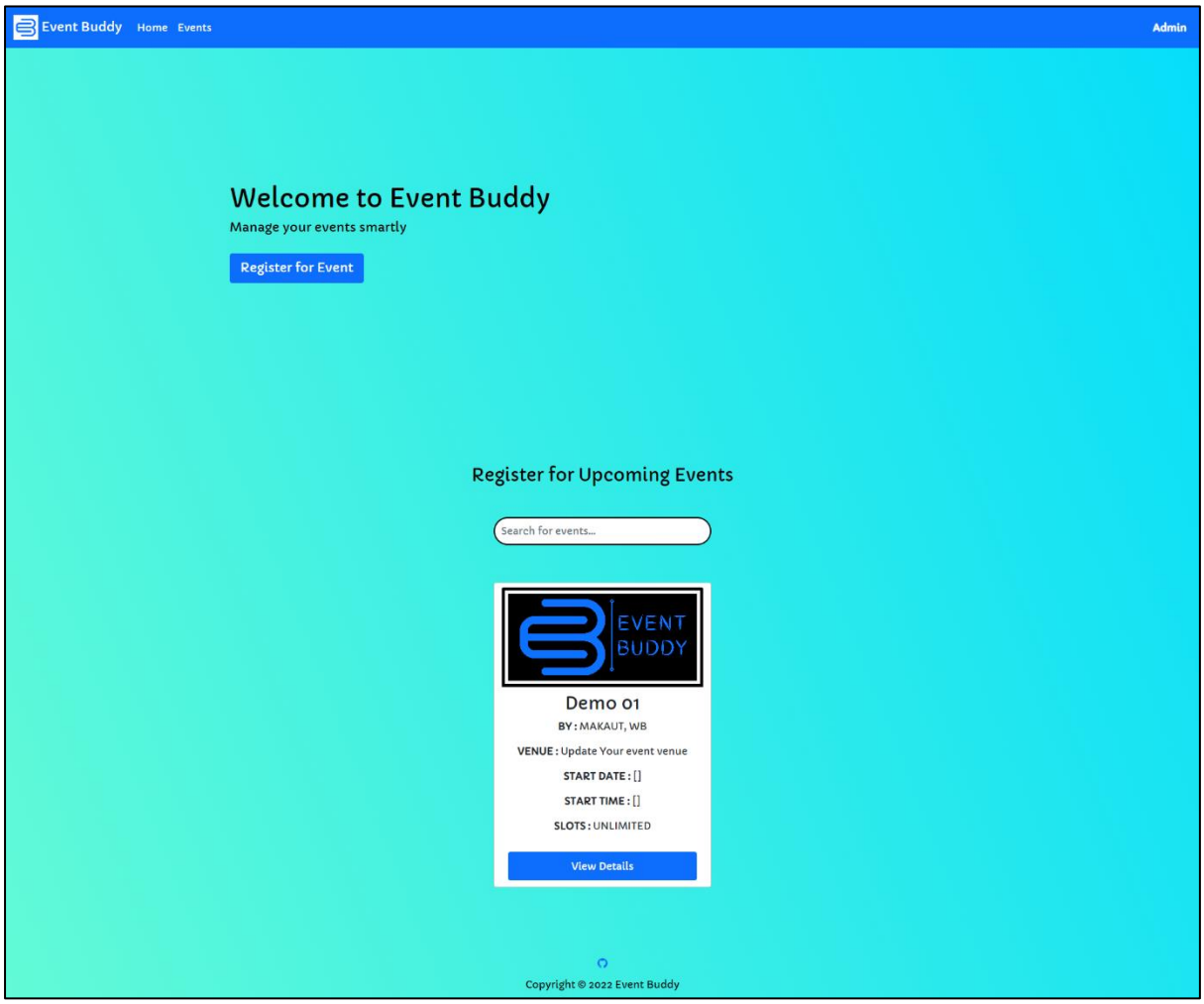
SCREENSHOT 4.4.11: ADMIN – ATTENDANCE LIST



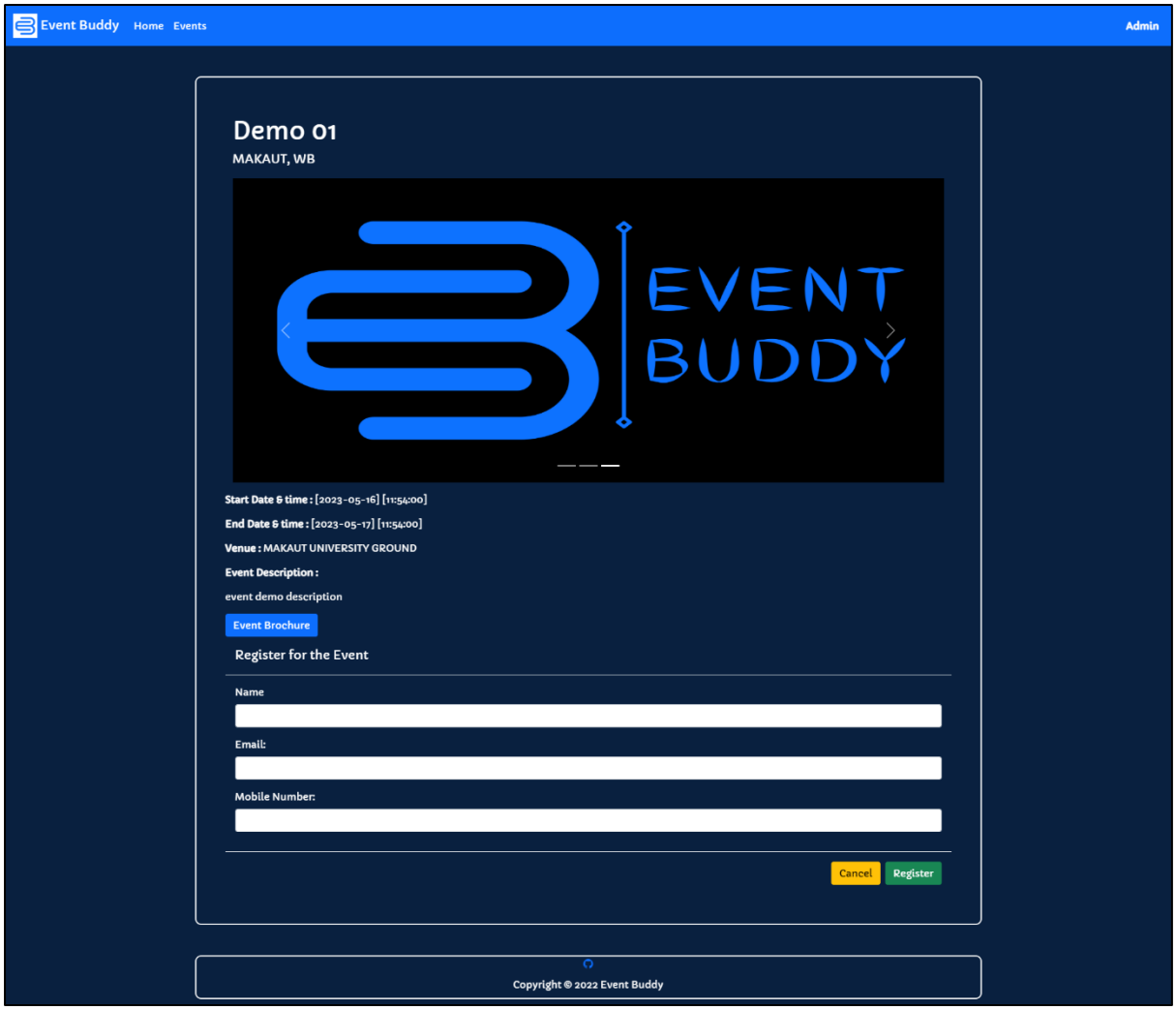
SCREENSHOT 4.4.12: ADMIN – PARTICIPANT LIST



SCREENSHOT 4.4.13: TAKE ATTENDANCE PAGE



SCREENSHOT 4.4.14: EVENT BUDDY HOME PAGE & EVENT LISTING PAGE



SCREENSHOT 4.4.15: EVENT PAGE

SCREENSHOT 4.4.16: MAIL RECEIVED BY PARTICIPANT AFTER REGISTRATION FOR THE EVENT

CHAPTER 5: (Conclusion & References)

1. CONCLUSION & FUTURE SCOPE:

In conclusion, implementing a QR code system in event management can bring numerous benefits, including increased efficiency, improved security, and enhanced user experience. By using QR codes, event organizers can streamline registration and check-in processes, eliminate the need for paper tickets, reduce the risk of fraud or ticket scalping, and gather valuable data about attendees.

Moreover, QR codes can be used for various purposes beyond just ticketing, such as providing additional event information, promoting sponsors, or even conducting surveys. The versatility and accessibility of QR codes make them a valuable tool in the event management industry.

As for the future scope of QR codes in event management, there is a lot of potential for innovation and advancement. For instance, QR codes can be used in combination with other technologies such as facial recognition, AI, or IoT to further enhance the event experience and provide more personalized and seamless interactions for attendees. Additionally, as QR codes become more widely adopted and integrated into smartphones and other devices, they will likely become even more prevalent in the event industry.

Overall, the use of QR codes in event management is a trend that is likely to continue to grow and evolve in the coming years, offering exciting possibilities for event organizers and attendees alike.

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3. Database System Concepts (Avi Silberschatz · Henry F.Korth · S. Sudarshan)