

Event Management & RSVP System – Project Report

Introduction

The Event Management & RSVP System is a web-based platform designed to help organizers manage events efficiently while allowing attendees to RSVP online. The system streamlines the registration process, tracks attendee responses, and ensures a smooth flow of communication through automated email confirmations.

Abstract

This project allows users to register for events by submitting their name and email. A unique confirmation code is sent to the user via EmailJS, which they must enter to confirm their RSVP. The system also provides a dashboard to view all attendees, with filters to distinguish between pending and confirmed participants. This project demonstrates the integration of front-end technologies with email services for real-time communication.

Tools Used

- **HTML5** – Structure of the web pages
 - **CSS3** – Styling and layout of the web interface
 - **JavaScript** – Interactivity, RSVP logic, confirmation code generation, and filtering
 - **EmailJS** – Sending real-time confirmation emails to users
 - **Browser / VS Code** – Development and testing environment
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Steps Involved in Building the Project

1. **Project Setup** – Create `index.html`, `style.css`, and `script.js` files in a project folder.
2. **HTML Layout** – Build a simple form for RSVP and a dashboard for attendee list with filters.
3. **CSS Styling** – Apply clean and responsive styles for the form, buttons, and dashboard.
4. **EmailJS Integration** – Connect EmailJS service using the service ID, template ID, and public key to send confirmation emails.

5. **Confirmation Code Logic** – Generate a random 6-digit code using JavaScript, send it via email, and validate user input.
 6. **Dashboard & Filtering** – Display attendees dynamically and allow filtering between Pending and Confirmed statuses.
 7. **Testing** – Verify that emails are sent, confirmation works, and the dashboard updates correctly.
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Conclusion

The Event Management & RSVP System provides a simple yet effective solution for managing event registrations. By automating email confirmations and maintaining an interactive dashboard, it enhances the organizer's ability to track attendees and ensures a smooth registration experience. The project demonstrates a practical integration of front-end development with cloud-based email services.