Event Management System - Project Report

Title Page

- Student Name: Abdallah Wehbe
- Date: 23/11/2025
- Github link: https://github.com/abdwehbe/event-management-system

Abstract

This project implements a basic Event Management System frontend using React and Bootstrap. The system allows users to create events, view event listings, and register for events.

System Design

Architecture

The application follows a component-based architecture with:

- **Page Components**: Individual pages for different sections
- **Reusable Components**: Shared UI components (Navbar, Footer, EventCard)

State Management

- Local state using React useState hook
- Events data passed via props from App to Events component
- Form states managed within respective components

Technologies Used

Tools

- **React 19**: JavaScript library for building user interfaces
- **react-router-dom**: This is used for routing between pages.

Styling

- **Bootstrap 5**: CSS framework for responsive design
- **Custom CSS**: Additional styling for specific components

Code Snippets

Event Creation Form

```
const handleCreateEvent = (e) => {

  e.preventDefault()

  const event = {

    ...newEvent,

    id: Date.now(),

    attendees: []

  }

  setEvents([...events, event])

  setNewEvent({ title: '', description: '', date: '', time: '', location: '' })

  setShowForm(false)

}

const handleRegister = (eventId) => {

  const updatedEvents = events.map(event => {

    if (event.id === eventId) {

      return {

        ...event,

        attendees: [...event.attendees, `Attendee${event.attendees.length + 1}`]

      }

    }
```

```
    return event

  })

  setEvents(updatedEvents)

}
```

Setup Instructions Summary

1. Clone project: `git clone git@github.com:abdwehbe/event-management-system.git`
2. Run `npm install` to install dependencies
3. Run `npm run dev` to start the development server
4. The app will be available at `http://localhost:5173`

Screenshots:

Events

Cancel

Create New Event

Event Title
Test event

Date
30/10/2025

Time
08:45 AM

Location
Nabatieh

Description
Visit us

Create Event

No events available. Create your first one.

Contact Us

Name
abdalla Wehbe

Email
abd@mail.com

Message
Hello

Send Message

Contact Information

Email: support@eventmanager.com

Phone: +1 (555) 123-4567

Address: 123 University Ave, Campus City

Events

Create Event

Test event

Visit us

Date: 2025-10-30

Time: 08:45

Location: Nabatieh

Attendees: 6

Register

localhost:5174

Welcome to EventManager

Create Events

Easily create and manage your events

Register

Simple registration process for attendees

Manage

Track attendees and event details

localhost:5174

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About EventManager

Our Mission

EventManager is designed to simplify event management for students. We provide a platform to create events and handle registrations.

What We Do

- Event creation and management
- Attendee registration
- Event discovery

EventManager   Home About Services Events Contact

Our Services

Event Creation
Create and publish events with basic details

Registration System
Allow attendees to register for your events

Event Discovery
Browse and find events that interest you

Attendance Tracking
Track how many people registered for each event

Events

Cancel

Create New Event

Event Title

Date

dd/mm/yyyy

Time

--:-- --

Location

Description

Create Event

Test event

--:-- -- 🕐

Location

Description

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localhost:5174/services