

Abdulrahman Alghanmi, Abdullah Alshammari, Turki Almuayli, Abdullah Binradyan

Supervised by Dr. Mohammed Alsulmi

Abstract

Eventia is a centralized web-based platform that simplifies the entire event lifecycle from planning and scheduling to ticketing, vendor collaboration, and post-event analytics. It solves the inefficiencies of traditional paper-based processes, emails, and scattered communication tools. Eventia enhances communication among organizers, vendors, government authorities and Saudi Conventions & Exhibitions General Authority (SCEGA), sponsors, and attendees by providing a unified space for tasks, approvals, and coordination. The platform aims to deliver efficient, transparent, and compliant event management for the Saudi market.

Problem Statement

Event organizers must coordinate with many stakeholders, vendors, security, sponsors, and attendees. Current methods (emails, forms, phone calls) are slow, error-prone, and unorganized, leading to delays, miscommunication, and poor attendee experience. There is no unified system supporting SCEGA compliance, Arabic interface, vendor collaboration, or centralized communication. Eventia solves this by providing one integrated digital platform for all stakeholders.

Goals & Objectives

A web-based platform that offers the following features:

- Build a responsive web system for creating and managing events.
 - Implement role-based dashboards Integrate with SCEGA for mandatory event authorization.
 - Enable digital vendor invitations and approvals.
 - Support attendee ticket booking and registration.
 - Provide post-event analytics, feedback tools, and performance reports.

Proposed Solution

- Centralized dashboard for event creation, approvals, scheduling, and updates.
 - Digital vendor invitation workflow
 - SCEGA verification gateway integration to ensure compliance.
 - Ticketing system
 - Internal messaging system for organizers, vendors, and attendees.
 - Analytics dashboard for attendance, feedback, and vendor participation insights.

Functional & Non-Functional Requirements

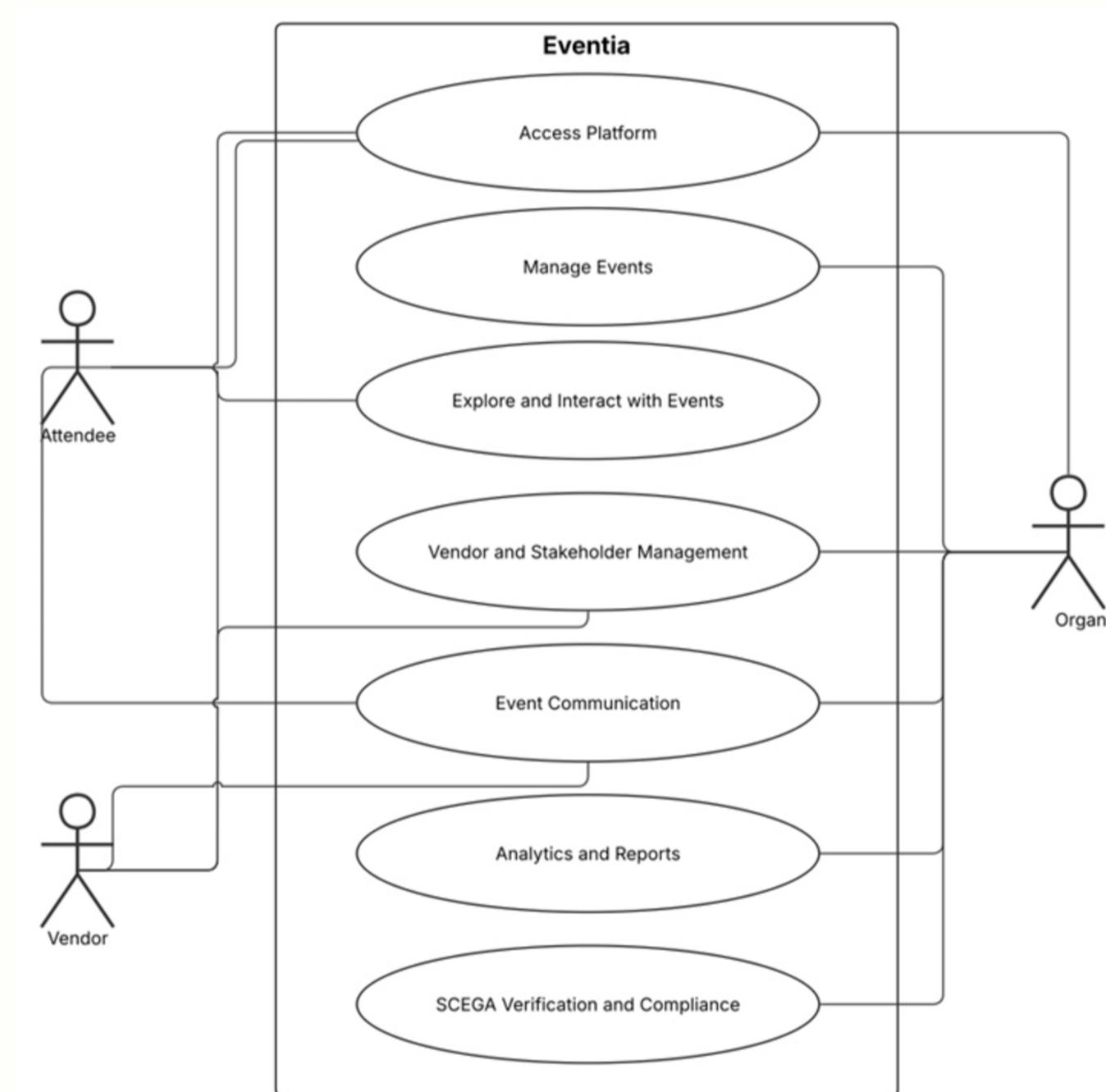
Functional Requirements

- User authentication: signup, login, and guest login.
 - Event creation, updating, deletion, and management.
 - Vendor invitation system and response tracking.
 - Attendee registration, ticket generation, and survey feedback.
 - Real-time messaging module for communication.
 - Post-event reports and downloadable analytics.
 - Integration with SCEGA for organizer verification & compliance.

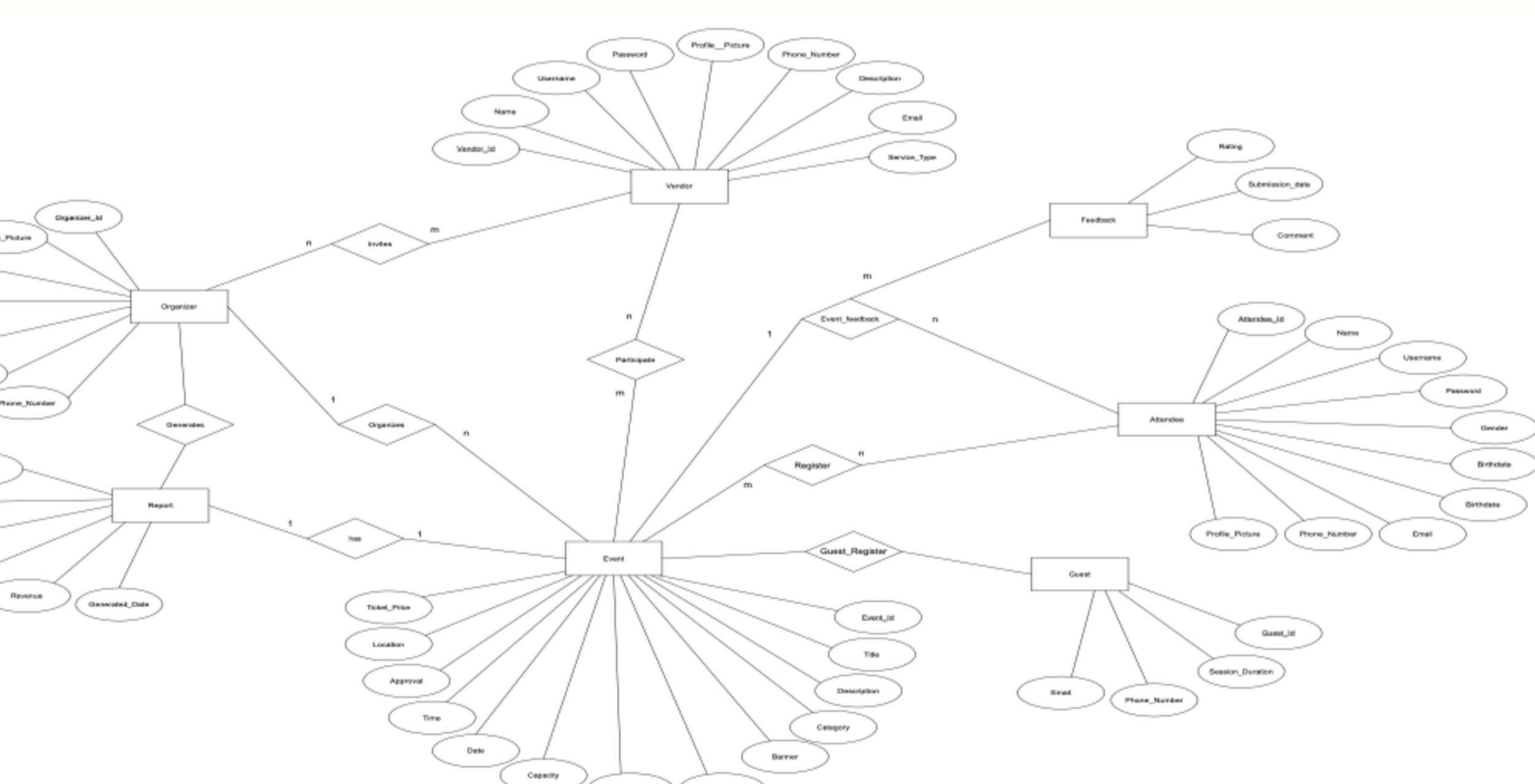
Non-Functional Requirements

- Responsive UI.
 - Role-based dashboards.
 - Security measures.
 - Arabic language support.
 - High performance and reliable system operation.

Use Case Diagram



Database Design



User Interface prototype

The image displays three screenshots of the EVENTIA platform, illustrating its features for users and organizers.

User Dashboard (Left): Shows a welcome message for "Abdullah" with "2 upcoming events this month". It highlights "02 ACTIVE TICKETS" and "12 EVENTS ATTENDED". A section for "Explore New Events" allows users to discover conferences and festivals near Riyadh. The "YOUR UPCOMING EVENTS" section lists the "Intl. Book Exhibition" at King Saud University (FEB 03) and the "Summer Wonderland" at Riyadh Ent. City (JUN 10). Each event card includes ticket details like time, seat, and price, and a "View Digital Ticket" button. A "PENDING FEEDBACK" section shows a review for the "Riyadh Tech Summit" with the question "How was your experience on Oct 15?". Navigation links include Dashboard, Browse Events, My Tickets, History, Profile, and Logout.

Event Management Tools (Middle): Shows a dashboard for "Jarir Bookstore" with a new invitation from "Service Provider". It displays "TOTAL REVENUE 81,525 SAR", "ATTENDEES 1,087", and "VENDORS 21". A central box for the "International Book Exhibition 2026" (Feb 3-4, 2026, King Saud University, Books | Literature) shows "03 ACTIVE EVENTS", "1,250 BOOTH VISITS", and "01 PENDING INVITES". Management tools include "New Event", "Compliance Request", "Send Invitations", and "Export Reports". A "Pending Invitation" for "Summer Wonderland" is shown with options to "Accept Invitation" or "Reject". Navigation links include Dashboard, Invitations, My Booths, History, Settings, and Analytics.

Organizer Overview (Right): Shows an "Organizer Overview" for "Abdulrahman Alghanmi" with a "SCEGA Verified" badge. It displays "TOTAL REVENUE 81,525 SAR", "ATTENDEES 1,087", and "VENDORS 21". A summary for the "International Book Exhibition 2026" is provided. The "ACTIVE EVENTS" section lists the "Intl. Book Exhibition" (Live, Verified), "Summer Wonderland" (Draft, Pending), and "Riyadh Tech Summit" (Planning, N/A). The "EVENTS YOU ARE VENDOR IN" section lists the "Riyadh Tech Summit" (Approved) and "Summer Wonderland" (Processing). Navigation links include Dashboard, Create Event, Events List, Vendors, and Analytics.

Attendee Dashboard

Vendor Dashboard

Organizer Dashboard