VIBES ALLIED EVENTS MANAGEMENT SYSTEM

ELVIS WALERA

S21B13/032

AYEBALE KAHWA

J21B13/216

AGNESS AGAYA

S23B13/118

A PROJECT REPORT SUBMITTED TO THE FACULTY OF ENGINEERING, DESIGN AND TECHNOLOGY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY OF UGANDA CHRISTIAN UNIVERSITY

April, 2025

UGANDA CHRISTIAN UNIVERSITY

A Centre of Excellence in the Heart of Africa

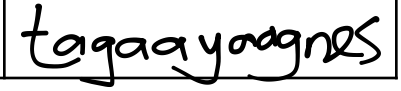
Declaration

This project report known as Vibes Allied an Events Management System serves as our original submission which fulfilled the educational requirements of Information Technology degree training. Today's management team guided and directed this project under both MR. SOLOMON OPIO and MADAM. JUSTINE MUKALERE

This report includes original work from our group which was done without dual submission for any degree or diploma program at any university or institution. Other retrieved information received proper citation before being included within this work.

The project implements theoretical principles by creating a user-friendly management system that enhances event discovery processes.

Groups signatures

NAME	REGISTRATION NUMBER	SIGNATURE
WALERA ELVIS	S21B13/032	
AYEBALE KAHWA	J21B13/216	
TAGAYA AGNES	S23B13/118	

Date: 16/04/2025

The supervisors endorsed this report for assessment purposes.

This report has also been approved for consideration by the following supervisors;

SUPERVISORS

Name: MR. SOLOMON OPIO

Signature: 

“Date: 09/05/2025”

Name: MADAM. JUSTINE MUKALERE

Signature:

“Date: 09/05/2025”

Dedication

The Vibes allied events management system is dedicated to our beloved families for the love they have shown to us, prayers and encouragement have been great to our journey . To our lecturers who have entirely guided us from the start to the end of a proper functioning event management system. Your mentorship and belief in us has been motivational and led to growth.

We also dedicate this project to fellow students whom we have shared with this path, sharing ideas and knowledge.

Your support and encouragement have made this accomplishment possible

Acknowledgment

The Almighty has granted us the ability to achieve project completion by providing strength together with determination and clear thinking ability.

We genuinely appreciate the direction along with support from our supervisors Mr. SOLOMON OPIO and Madam. JUSTINE MUKALERE during the Vibes Allied development process. The backing you provided made crucial contributions to transform this project into its current state.

Thanks to our department alongside our relevant lecturers we have gained all necessary knowledge that enabled the successful execution of this work.

The students along with our participants and friends who gave valuable feedback regarding ideas and support proved essential for this project.

We express our deepest appreciation to our families for continuously supporting us through each step of this whole journey as they provided motivation and understanding. The accomplishment reached today exists because of your hard work.

Abstract

Problem: Missed event opportunities for social interactions and engagements

The Vibes Allied events management system establishes new ways for users to find and attend community-based events. The system emerged to satisfy the rising requirement of an inclusive platform which provides users with ongoing event updates alongside support for introverts and individuals with social anxiety alongside people with cultural or language limitations and event-unaware members of the community.

The system contains two key user interfaces. One interface supports individuals to explore events through search features and receive customized updates while the other interface enables event producers to optimize their event management. Vibes Allied achieves accessibility and usability through a platform designed for delivering real-time event information between event organizers and potential audiences.

The research traces development stages of the system starting from background information and methodology while presenting system architecture and user feedback analysis. The experimental findings show that Vibes Allied has the capability to improve event search systems through its inclusive and interactive interface that prioritizes user experience.

Table Of Content

Chapter 1: Introduction

1.1 Background

The information availability problem in higher education facilities presents a barrier for students who need to find appropriate local events to connect socially. For example, a recent study in Uganda shows that 55.5% of university students recorded lack of time allocated to community engagements due to pressure in academics sectors while 38.5% suggested a need for better systems to make them informed about the existing events(Nabushawo et al 2021).

The wide range of community events remains overlooked by people because they have limited access to event information and lack of awareness based on specific interests.

We sat in a team and got a problem and made proper research on how we would conquer that problem. We then decided to make the Vibes Allied events management system where users will be able to access interest-based events that promote safe interactions through technological integration on the platform.

1.2 Problem statement

Missed event opportunities for social engagement and interactions.

New first year students among other students show minimal understanding regarding current campus activities at a rate of 81%. Students have limited awareness about campus events that include sport matches alongside religious Bible study and recreational center gatherings. A 2023 survey by the Uganda National National Institute of public health reported that 45% of Uganda University students face depression and 30% report high levels of anxiety. The issue more over extends ahead to the Ugandan population by 30% facing mental disorders indicating social isolation makes this system useful to both students and the public.

Owing to feelings of loneliness and solitude many individuals experience negative mental health consequences of depression and fail to build vital connections that might boost their future opportunities

People in various communities encounter problems when searching out and joining events which promote interpersonal meetings. People who intend to participate in community events frequently cannot attend because they lack proper information about events as well as insufficient awareness and the inability to discover events which match their personal interests. Community cohesion decreases while personal and professional networking opportunities disappear because of this situation.

1.3 Objectives of the Study

Facilitating Structured Socialization. Vibes Allied events management system builds an organized platform to help users find books and attend events which match their personal interests.

Breaking Cultural and Language Barriers. Through its multi-cultural event presentation Vibes Allied enables participants from diverse backgrounds to access and take part in multiple experiences.

Encouraging Face-to-Face Interactions. As a primary feature of the system digital interaction supports the main objective which targets face-to-face meetings between people.

Time-Optimized Engagement. The Vibes Allied events management system provides users with time-maximizing features including customized event suggestions and live feed updates and straightforward reservation options.

1.4 Scope of the Study

The Vibes Allied events management system is designed to function as a comprehensive events management web platform that connects users with existing and upcoming events in their locality. The system focuses on two primary user roles: general users same as attendees. The administrators are the same as event organizers or platform managers. On the user side, the system allows individuals to:View a list of current and upcoming events.

One of the core features of the Vibes Allied system is the ability for users to view a well-organized list of current and upcoming events. This feature is designed to keep users

informed about events that are happening now or are scheduled for the near future. When users access this section, they are presented with key information such as the event title, date, time, venue, event category, and a brief description.

Access detailed information about each event, including time, location, category, and description.

Vibes Allied allows users to access comprehensive details about any event listed on the platform. When a user selects an event from the list, they are taken to a dedicated event details page. This page provides all the necessary information a user needs to make an informed decision about attending the event.

Search and filter events based on interest, location, or date.

Vibes Allied provides a powerful search and filtering function that enhances the user experience by helping users quickly find events that match their specific preferences. This feature allows users to customize their search based on key criteria such as:

Interest or Category: Users can filter events based on their personal interests, such as music, art, sports, business, or cultural events.

Location: Users can choose events that are happening in a specific city or venue, making it easier to find nearby or accessible events.

Date: Users can view events happening on a particular date or within a selected date range, ensuring they can plan ahead and manage their time efficiently.

On the admin side, the system allows authorized personnel to:

Create, edit, and delete event listings.

On the admin side of Vibes Allied, administrators have full control over the event listings. They can create new events by entering key details such as the event name, date, location, description, and category. This ensures that all events posted on the platform are accurate and up to date.

Manage event categories and details.

Administrators can also manage the event categories available on the platform. This includes creating, renaming, or deleting categories to keep the system organized and reflective of user interests.

By updating category details and descriptions, admins help users better understand the type of events available under each classification

Monitor user engagement and platform activity.

Vibes Allied provides admin users with a dashboard or analytics interface to track user engagement and platform activity. This includes viewing data such as:

Number of event bookings

Popular event categories

Most active users

Feedback or remarks from users

The system is developed as a web-based platform with future scalability to mobile applications. It targets users who may face difficulties engaging socially, such as introverts, individuals with social anxiety, or those hindered by cultural and language barriers. The platform is limited to event discovery and management and does not cover ticketing or payment processing in its current version.

1.5 Significance of the Study

The Vibes Allied events management system develops solutions which tackle the problems that people face when searching for, communicating about and participating in events. The modern digital speed of life causes people to miss valuable events because of an absent mind, social barriers or problems using technology.

The system provides several important functions.

Event information consolidation through Vibes Allied events management system keeps users in touch with nearby activities thus decreasing the number of opportunities missed because of poor system integration.

The system contains features built with social sensitivity to serve people who experience difficulties in social activities, especially individuals who feel shy or suffer from social anxiety.

Hence the system presents social engagement opportunities which minimize initial discomfort for people in these situations.

Through its simplified user interface Vibes Allied delivers accessibility solutions to users facing cultural or language barriers which promote easy participation no matter someone's background.

Event organizers gain helpful tools through the admin panel that enables event promotion and management to drive higher event attendance and engagement levels.

Through a solid foundation the system prepares itself for upcoming improvements including ticketing capabilities while recommending engines and mobile application development which will boost its effectiveness and accessibility.

Vibes Allied events management system stands as a social-purpose platform rather than technical solution which brings digital accessibility to unite people with experiences.

Chapter 2: Literature Review

2.1 Introduction

Major factors acted as the driving force behind our creation of the vibes allied event management system.

Students face social anxiety as an important obstacle which prevents them from interacting with each other. Neuroimaging (2022) reports that brain structure along with functional variations are associated with social anxiety while a study on personality and individual differences(2023) presents introversion as a factor that makes community interaction difficult. The measurement demonstrates that introverts possess dissimilar social engagement levels compared to people who experience social anxiety difficulties.

According to the international journal of intercultural relations from 2024 cultural intelligence enables people to overcome cultural barriers.

Digital platforms which enable communication can cause social isolation among users. Researchers at (2023) published findings in computers in human behavior showing that rising social media consumption links to greater anxiety together with reduced self worth particularly among young people

2.2 Related Systems

Event promotion platforms such as the following examples exist among popular online services:

Eventbrite operates as a worldwide platform which manages events alongside ticketing activities. Through this platform organizers create events which lead to promotion activities and ticket selling and participants can access event listings by searching. Eventbrite functions as a commercial platform with insufficient customization options for people who live in certain areas and suffer from social isolation.

Users connect with others sharing common interests through Meetup because this platform enables membership in groups and participation in their public events. Eventbrite serves

networking purposes yet generates anxiety for users with social apprehension because of its community-oriented approach.

Due to its network connection with Facebook Events has grown into a widespread platform among users. User activity on Facebook forms an essential requirement for Facebook Events yet this platform lacks specific features for organizing events or meeting the needs of users with special requirements.

While these systems are functional and widespread, they do not fully address the needs of marginalized or socially anxious users who may find large platforms intimidating or overly social in nature.

2.3 Technological Trends in Event Management

Mobile Applications and Web Platforms: These provide convenience and on-the-go accessibility for event discovery.

Through Cloud Computing technology users benefit from expandable data storage together with instant document synchronization.

The system can deliver notifications instantly according to users' chosen preferences so they stay informed.

Some platforms implement recommendation systems which provide event suggestions yet they accomplish these recommendations without considering social discomforts or cultural specific needs of users.

Numerous digital platforms focus on achieving commercial value and large-scale operation instead of inclusivity which creates an opportunity for Vibes Allied to address this void.

Gaps Identified

Several essential weaknesses emerged during this review process.

The absence of platforms which can serve users dealing with social anxiety as well as introversion and cultural/language differences.

The platform lacks tailored features along with basic simplification functions which prevent non-technical or less socially engaged users from full system utilization.

The platform lacks adequate administrative functionality for local event scheduling which provides full authority to manage content and event updates.

2.4 Summary of Findings

The review highlights that while event platforms are abundant, they often neglect inclusivity and social comfort. Vibes Allied events management system is to provide a simplified,user friendly, and inclusive system that encourages more people to participate in community activities by removing traditional barriers

Chapter 3: Methodologies

3.1 Introduction

This outlines how we came up with the Vibes Allied events management system. The section contains the development approach, tools and technologies used, design techniques, implementation strategy, and testing methods.

3.2 Development approach

The Waterfall Model was adopted for this project due to its clear, linear process which suited the system's fixed requirements. The development was divided into well-defined phases:

Requirement Analysis: System features were identified for both user and admin roles.

System Design: Interface layouts, navigation structure, and database schema were prepared.

Implementation: The system was developed in separate modules for user and admin interfaces.

Testing: Each module was tested for functionality and user experience.

Deployment: The completed system was deployed on a local or live server environment.

3.3 Technologies and Tools Used

The foundation of Vibes Allied rests on a client-server architectural design.

The frontend section implements HTML together with CSS along with Bootstrap framework and uses Figma design tools.

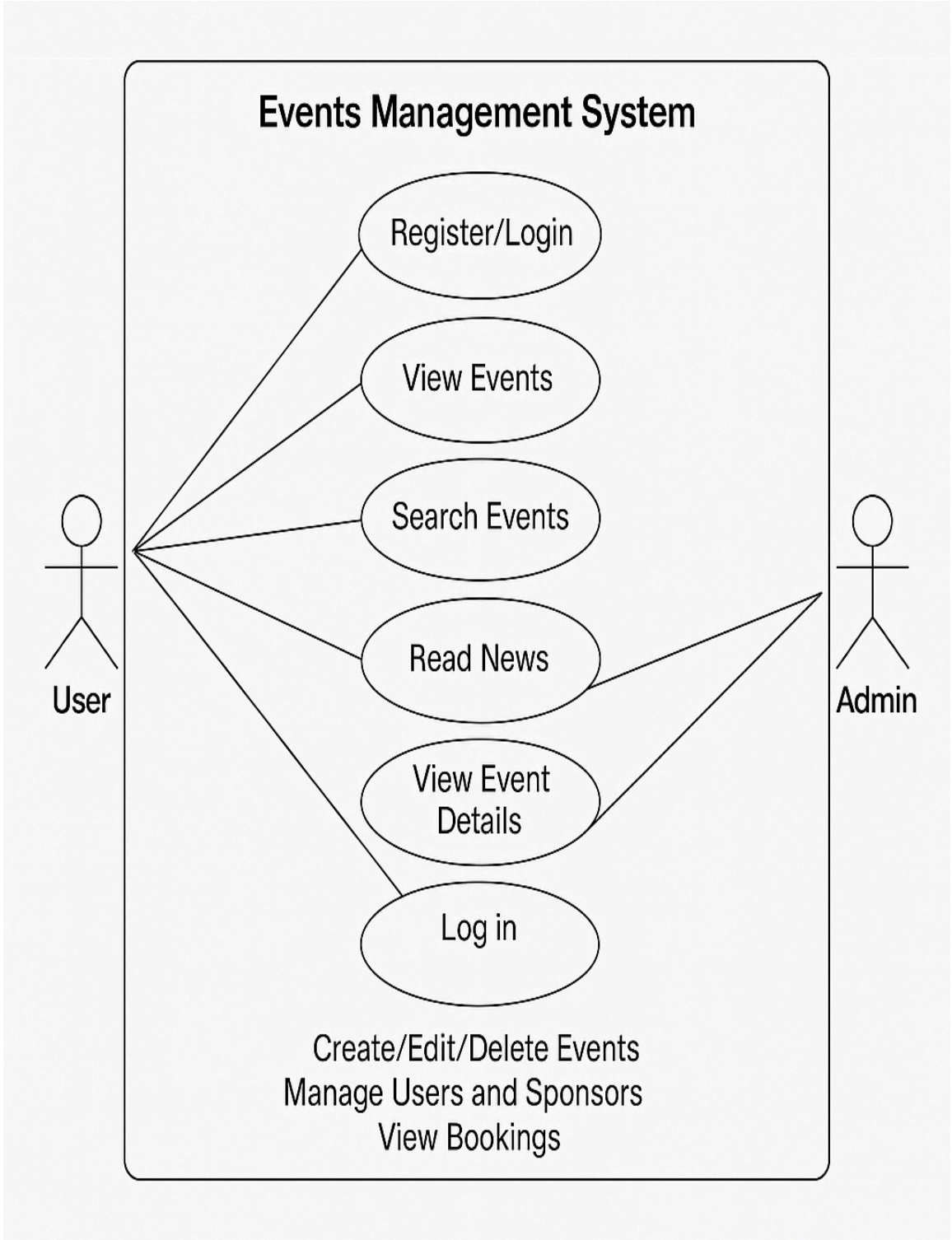
Backend: PHP

Database: MySQL

Hosting/Deployment : DigitalOcean

3.4 System design techniques

Use Case Diagram


Events Management System
Register/Login
View Events
Search Events
Read News
View Event Details
Log in
Create/Edit/Delete Events
Manage Users and Sponsors
View Bookings
User
Admin

User Side Use Cases:

Register/Login

View Events

Search Events

Read News

View Event Details

Admin Side Use Cases:

Log in

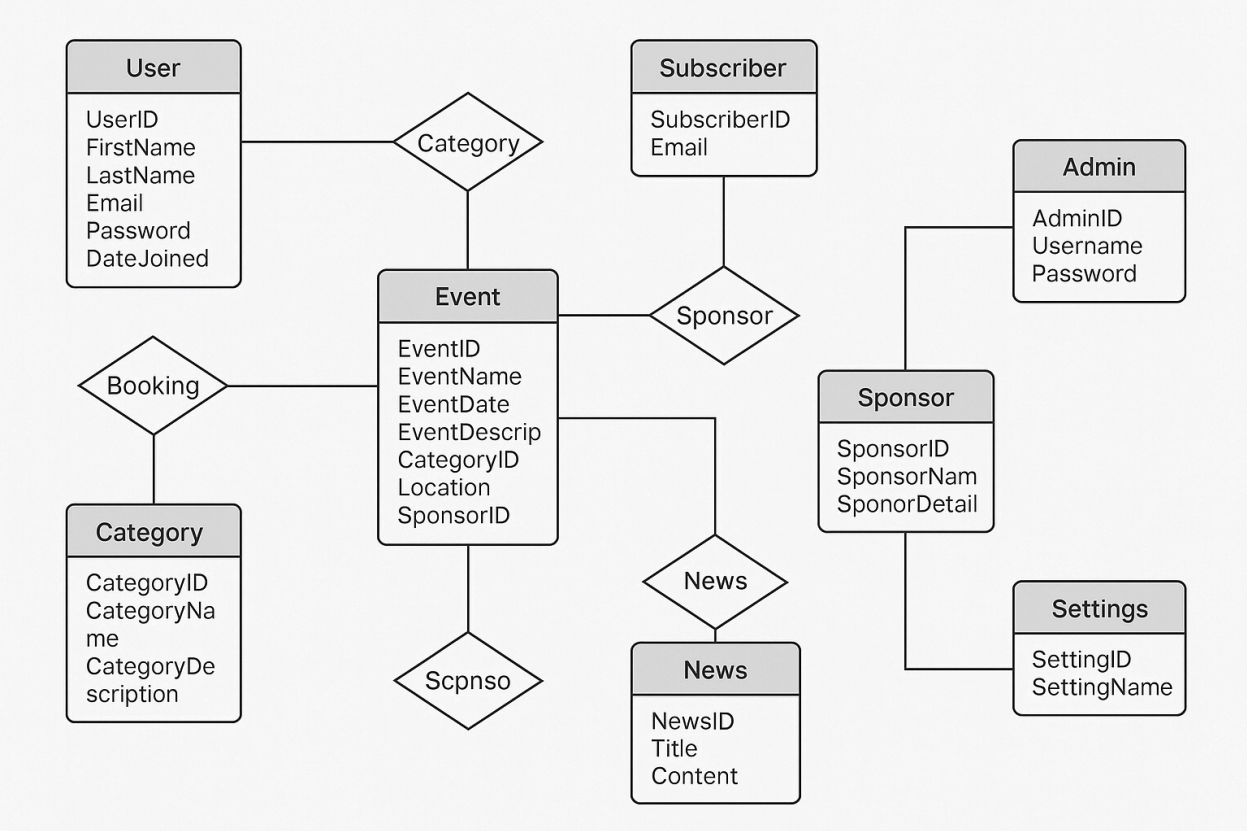
Create/Edit/Delete Events

Manage Users and Sponsors

View Bookings

Update Settings

Entity Relationship Diagram (ERD)



Key entities include:

User (UserID, FirstName, LastName, Email, Password, Date Joined)

Event (EventID, Name, Description, Date, Location, CategoryID, SponsorID)

Category (CategoryID, Name, Description)

Booking (BookingID, UserID, EventID, Status)

Sponsor (SponsorID, Name, ContactInfo)

Subscriber (Subscriber ID, Name, Detail)

Admin (ID, Username, Password)

Settings (ID, Name)

Relationships:

A User can make many Bookings (1 to many).

A Booking is for one Event (many to 1).

A User can subscribe to News (many to many).

An Event can have many News articles, but a News article may be related to one Event (1 to many).

A Category can have many Events (1 to many).

An Event can have many Sponsors, but each Sponsor can be associated with many Events (many to many).

Subscribers are managed separately for updates and notifications.

Admin manages the system but does not interact with the entities directly.

3.5 Implementation strategy

System

On the homepage users will find event banners in combination with a navigation bar containing sections for Home, Events, News and About Us and featured events on display. User will also be able to login or sign up to the system.

The event display format shows a list-based view with different filters plus cards that navigate to detailed pages.

The admin dashboard contains a sidebar menu structure (Events, Users, Sponsors, etc.) in addition to summary cards showing (Total Events, Bookings).

Summary

This chapter outlined the technical structure of the Vibes Allied system. It ensures that both users and admins have access to the tools and information they need to fully engage with the platform, manage content, and improve user participation.

3.6 Testing Methods

Testing was conducted at different stages to ensure the system worked as expected:

Unit Testing: Individual functions like login, signup, event display, and booking were tested.

Integration Testing: Modules were combined and tested together to ensure smooth interaction.

User Acceptance Testing (UAT): Sample users and admin tested the system to confirm usability and requirements fulfillment.

Chapter 4: Analysis and Design

4.1 Introduction

The Vibes Allied system requires System design to function as its development blueprint. The document describes how elements interact together with data flow and structural features for basic and administrator interfaces. The development process follows concepts from this chapter that detail system design and architecture in addition to data structures and interface layouts.

4.2 System Architecture

Application Layer (Backend):

The application layer executes business operations for user verification while managing event signals.

Technologies: PHP, Node.js, or Python with Express/Django

The application uses RESTful APIs as technology to exchange data between the front end and back end systems.

Data Layer (Database):

Stores data such as users, events, bookings, categories, etc.

Technology: MySQL

Using this layer establishes safe data storage through security measures and maintains data relationships with proper integrity standards.

User Interface Design

User Side Pages:

Homepage features a neat layout that combines banners alongside featured events alongside a navigation bar.

Events Page: Grid view with event thumbnails, filter/search options

Users can find a list of event updates and article content through the news section of the website.

About Us: Static content with platform description and goals

Login/Signup: Forms with validation and secure password encryption

Admin Side Page: The dashboard contains an overview section that displays event, user and booking metrics.

The section contains two modules: the event management form and the table for viewing and deleting events.

The page shows a list of all registered users together with functions for modifying and removing them.

The system offers an email list that serves as a marketing platform and update distributor.

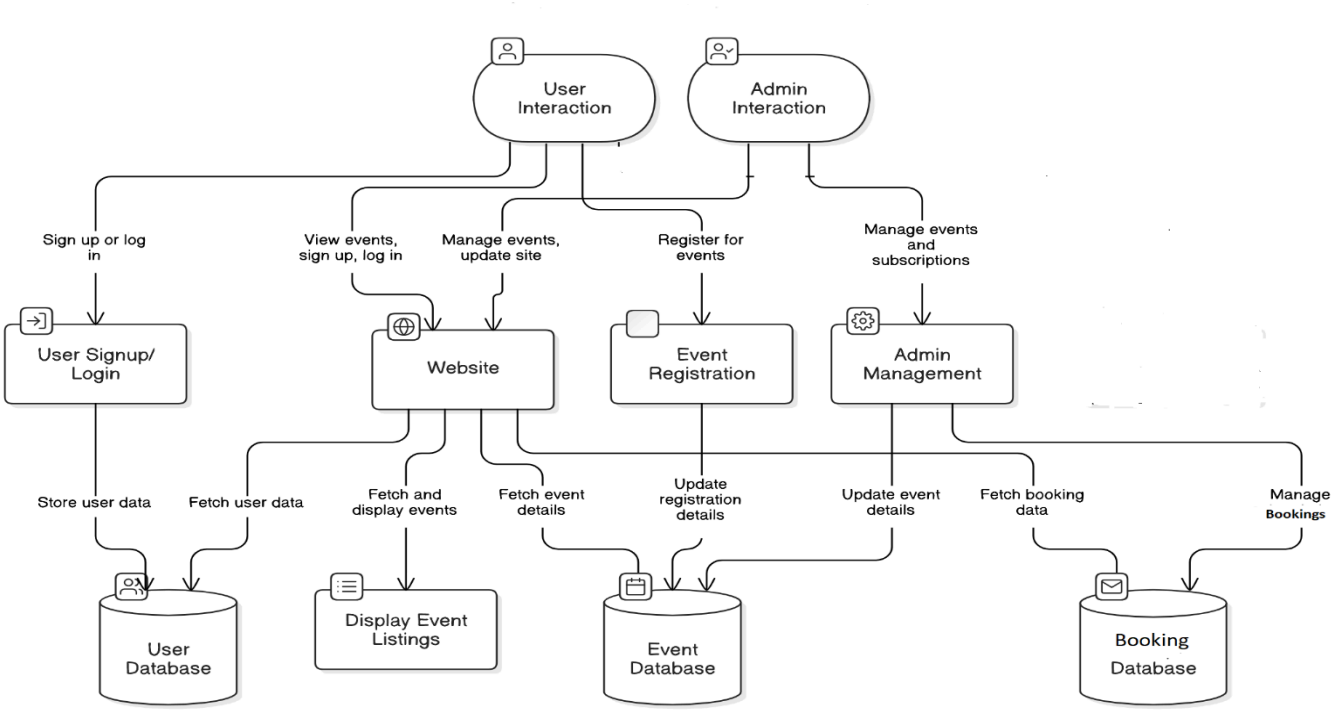
The application allows users to maintain sponsors through Create-Read-Update-Delete (CRUD) functions.

Manage Categories: Add/edit event categories

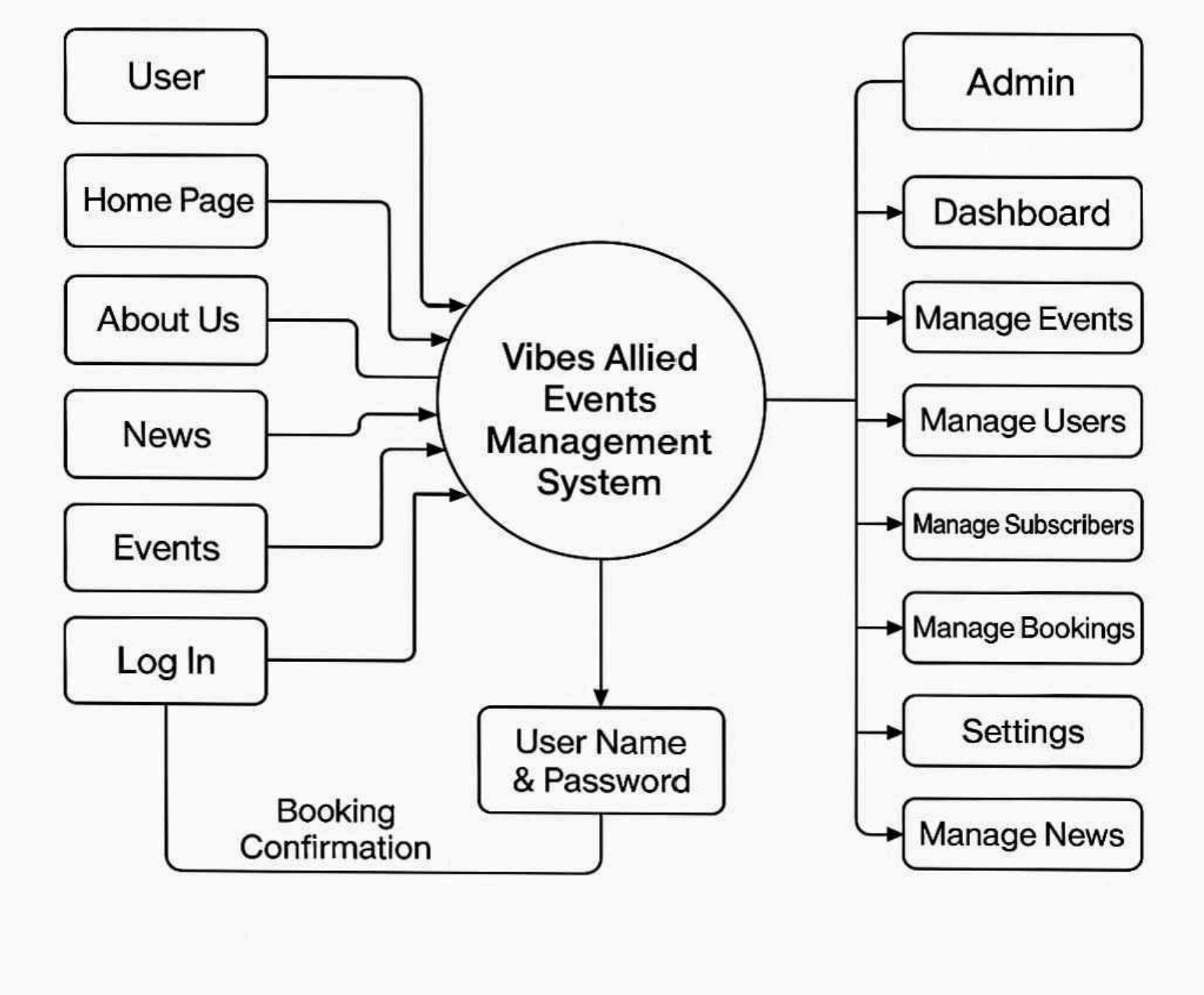
The Booking feature allows users to view registrations while enabling confirmation of registered users.

Options for branding modification and system-wide configuration and notifications management reside under the settings section.

4.3 Data Flow Diagram



Level 0 DFD (Context Diagram):



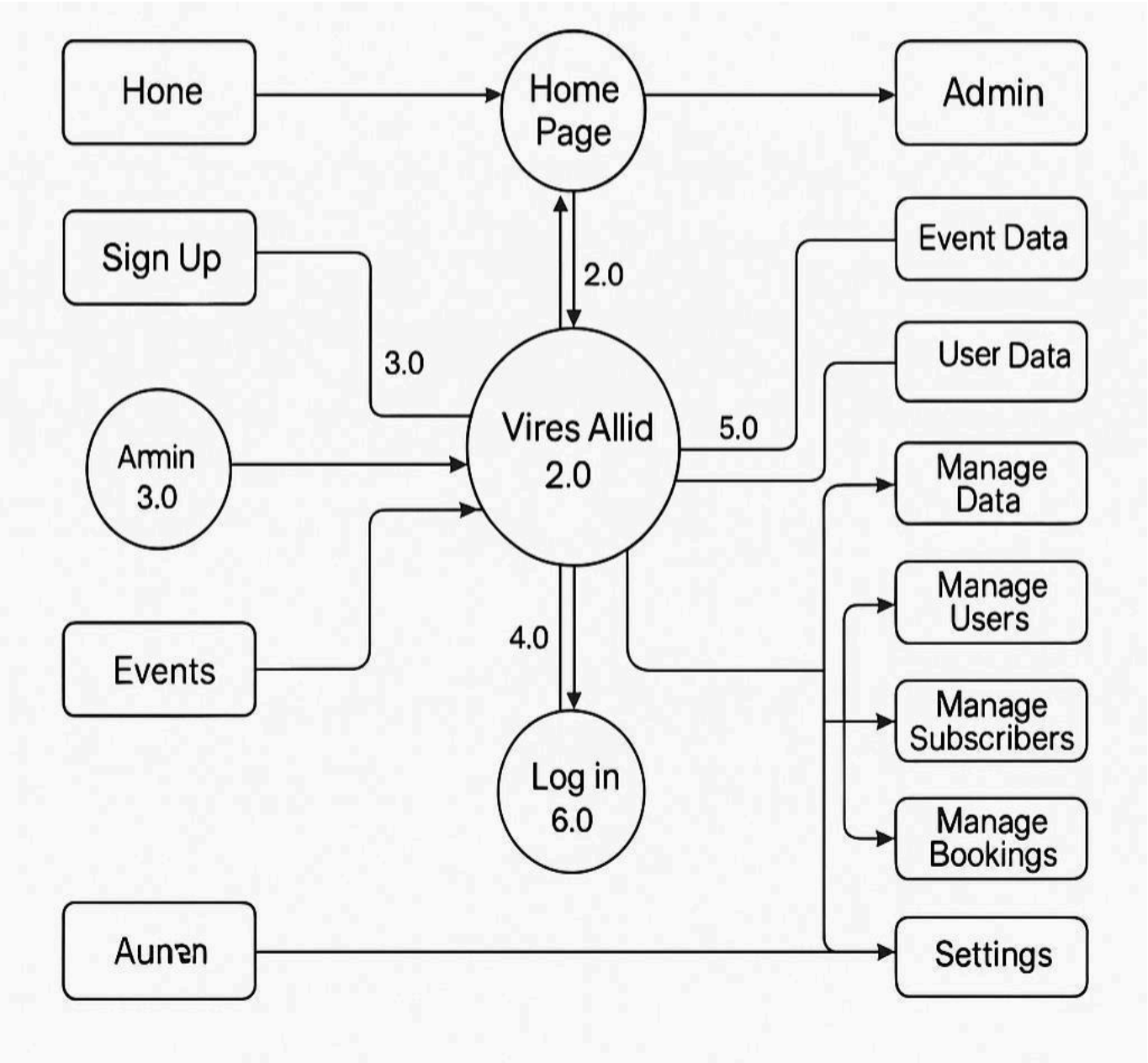
Shows the interaction between users/admins and the system

Users → View Events, Book Events, Login or Signup

Admins → Manage Events, Users, Sponsors, Categories, Dashboard, News, Bookings

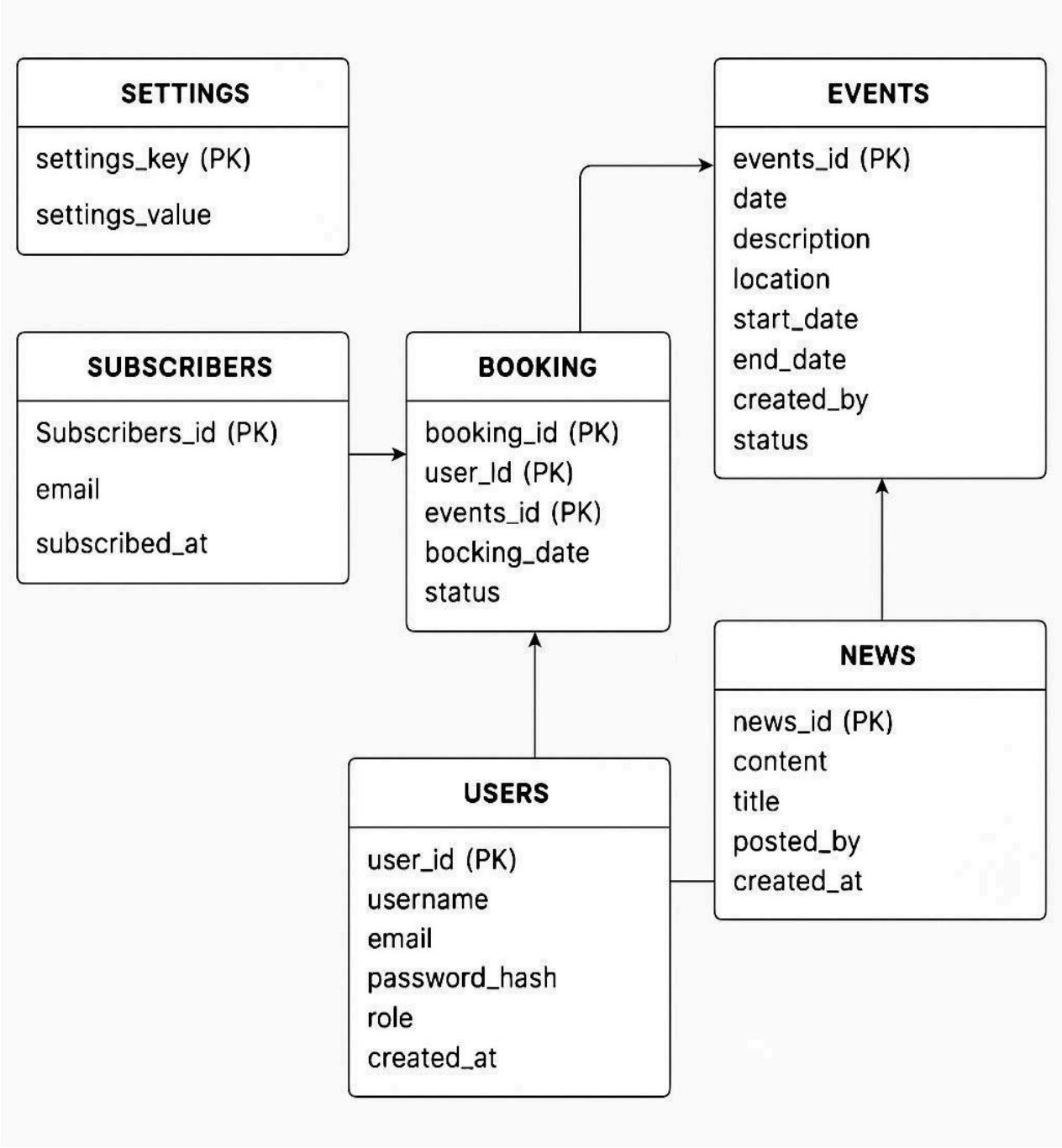
Level 1 DFD:

Breaks down the modules into sub-processes



Event management, user authentication, subscriber handling, and content delivery

4.4 Entity Relationship Diagram



4.5 User interface design

Key Tables:

- Settings

Holds application configuration data.

Example: site name, system email, etc.

No relation to other tables.

- Subscribers

Your store saves records of individuals who joined your update distribution service.

The table contains three columns which include subscriber ID, email address along with the date they subscribed.

Independent table, no direct connection to other tables.

- Users

Central table for system users: Admins, Organizers, Customers, etc.

This table holds user credentials (username and email and password hash) collectively with user roles.

- Events

Stores all the events in your system.

Each event contains a created_by field linking to the user_id field of a system user.

- News

Stores news articles or updates.

Users generate news posts through their user account (posted_by references the linked user_id).

- Booking

Connects users and events.

This display reveals both the booking persons and the specific events they attend along with the exact timing.

Links the user_id and Events_Id.

Relationships:

Users → Events:
A user creates an event.
(created_by in Events references user_id in Users)

Users → News:
A user posts a news article.
(posted_by in News references user_id in Users)

Users → Booking:
A user makes a booking.
(user_id in Booking references user_id in Users)

Events → Booking:
A booking is for a specific event.
(events_id in Booking references events_id in Events)

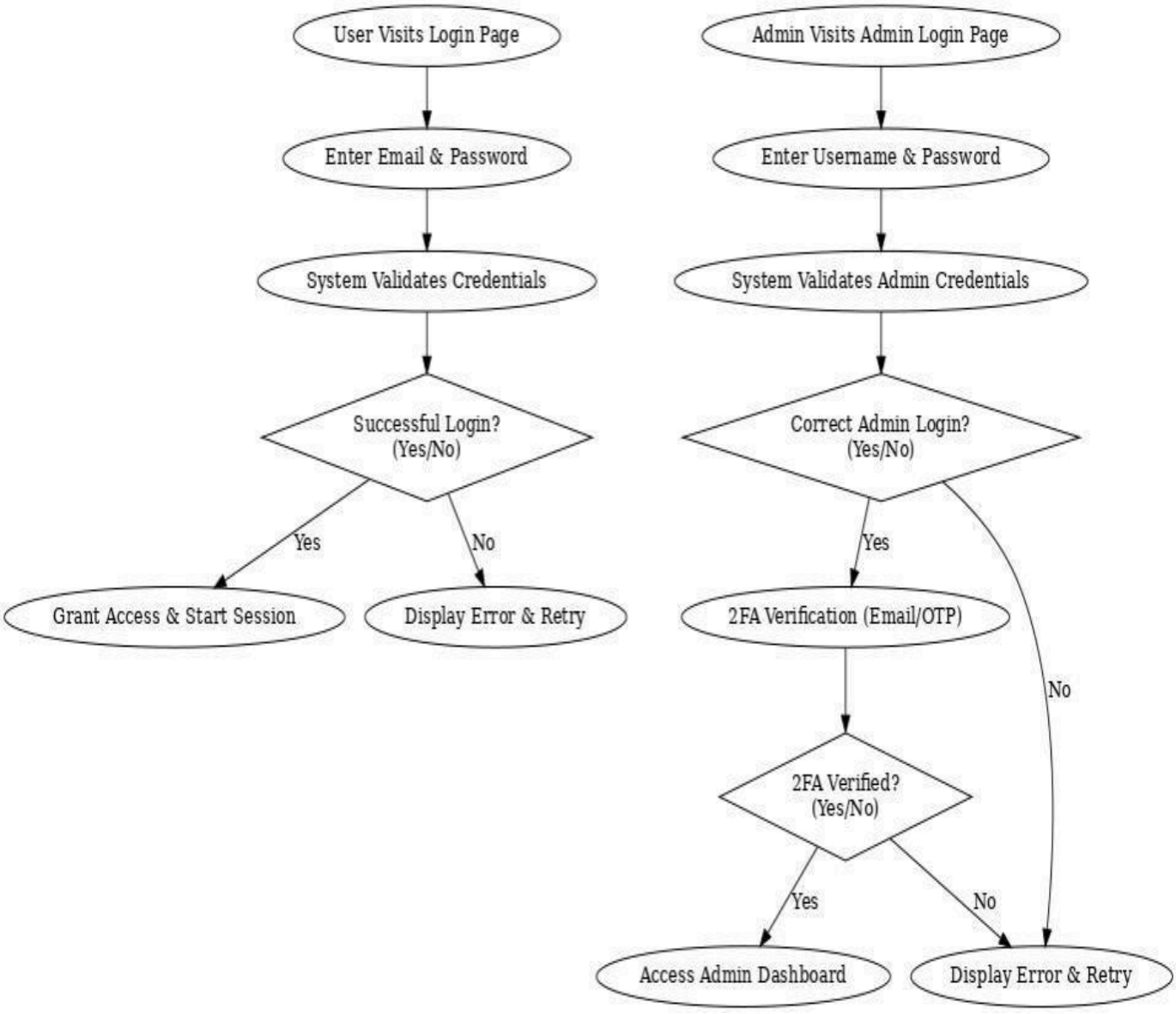
Users are the heart of the system.

Users can create Events and News.

Users can also book Events through the Booking table.

Settings and Subscribers are isolated but important for the system configuration and communication.

4.6 Security and Validation Design



User Authentication: Encrypted passwords, session management

Role-Based Access: Admin access restricted by user role

Input Validation: Frontend and backend form validation

Data Protection: Secure queries to prevent SQL injection and XSS attacks

Chapter 5: Results

5.1 Introduction

This chapter presents the results obtained after the successful implementation and testing of the Vibes Allied Events Management System. It highlights the functionalities of the user and admin interfaces and demonstrates that the system meets the specified requirements

5.2 Fulfillment of objectives

All major objectives of the system were successfully achieved, including user registration, event booking, event management by the admin, and secure login systems.

Frontend (User Interface):

The user interface requires HTML and CSS which handles structure design alongside styling.

5.3 System Modules

User Side:

The Homepage Module presents featured events along with the navigation menu for users.

Event Module obtains and presents lists of events from the database storage

Through the Login/Signup Module the system provides authentication services to users as well as account creation capabilities for new users.

Within the News & About Us Module our product exhibits static and dynamic content presentation methods.

Admin Side:

Dashboard Module: Displays real-time metrics and quick links

Event Management Module: Enables CRUD operations for events

User Management Module allows administrators to view existing profiles while giving them abilities to make edits or issue permanent deletions.

Through this module system administrators can manage both sponsors and subscribers

The Category Management component deals with the creation along with modification of event categories.

The Settings Module handles functions related to the admin profile along with branding plus system settings administration.

5.4 Integration

The development of APIs enabled both components to exchange information without obstacles.

The system implements fetch API to perform page updates without causing whole-page reloads.

The database receives admin-inputted data only after performing form validation checks.

Real-time data visualization happens with the aid of a reactive frontend system.

Security Considerations

Passwords are hashed using bcrypt

The system implements tokens together with Sessions for maintaining secure user authentication systems.

The security policy of role-based access control safeguards administrative management sections.

Security measures that validate and clean user input prevent both SQL injection attacks and cross-site scripting exploits (XSS).

5.5 Challenges and Mitigation

Securing user sessions together with authentication demands constructive solutions which properly handle the challenges.

The system implements session-based login with hashing and secure logout handling as an authentication solution.

Challenge: Admin interface complexity

Solution: Used a modular design approach with reusable components

The platform needs faster event search algorithms which must operate efficiently during filtering operations.

Solution: Indexed key fields in the database for faster querying

5.6: Testing and Evaluation

Integration and Data Flow

The development of APIs enabled both components to exchange information without obstacles.

The system implements fetch API to perform page updates without causing whole-page reloads.

The database receives admin-inputted data only after performing form validation checks.

Real-time data visualization happens with the aid of a reactive frontend system

5.7 Testing and strategy

Security Considerations

Passwords are hashed using bcrypt

The system implements tokens together with Sessions for maintaining secure user authentication systems.

The security policy of role-based access control safeguards administrative management sections.

Security measures that validate and clean user input prevent both SQL injection attacks and cross-site scripting exploits (XSS).

Challenges and Mitigation

Securing user sessions together with authentication demands constructive solutions which properly handle the challenges.

The system implements session-based login with hashing and secure logout handling as an authentication solution.

Challenge: Admin interface complexity

Solution: Used a modular design approach with reusable components

The platform needs faster event search algorithms which must operate efficiently during filtering operations.

Solution: Indexed key fields in the database for faster querying

5.8 Test Case and Results

Test case Event Creation (Admin Side)

Name: Check that admin can create new event and that it is stored in the database correctly

Expected Outcome: Event added to events list, and DB cell updated

Result: Pass – Admin can create, edit, and delete events successfully

Test Case : Search Event Functionality (User Side)

Test events search and filter functionality

Expected Result: Then it should show only the events matching the search criteria.

This will give you a result of Passed – the search and filter work and are efficient

Test Case Event Booking (User Side)

Goal: Ensure that users can book events without any issues

Scenario: When the user books for an event, they make the payment and on success/failure set the booking in the user dashboard and set the event available.

Result: Passed – All Booking functionality works successfully

Test Case 5: Admin Dashboard Summary

5.9 User Feedback

A chosen group of users participated in usability testing by navigating the platform and offering f eedback. Among the important insights were: Positive Comments: Users thought the interface wa s easy to use and straightforward. It was easy to browse and book events. Administrators valued how simple it was to manage users and events via the dashboard.

Areas for Improvement:

Although the platform was beneficial, users with social anxiety said that greater personalisation of notifications could increase their engagement. For a smoother experience on smaller screens, some users recommended enhancing the mobile responsiveness.

5.10 Performance Evaluation

Stress tests were carried out to assess the system's performance under load:

Test 1: Load Testing Goal: Evaluate the system's ability to manage several users at once. Result: There was no discernible performance deterioration when 200 users were logged on at once.

Test 2: Response Time Goal: Calculate how long it takes for pages to load in typical circumstances. Result: The average page load time was less than three seconds, which is within reasonable bounds.

Test 3: Database Performance Goal: Evaluate the database's response to extensive queries (such as those that look for events using various parameters). Result: For queries involving up to 1000 events, the database returned results in 1-2 seconds.

Security Testing

To make sure the system is safe from vulnerabilities, a number of security measures were tested: SQL Injection Protection: Every form (event creation, login) was examined for SQL injection flaws. The system was safe from SQL injection, so the test was successful. Protection Against Cross-Site Scripting (XSS): The platform was examined for XSS flaws, particularly in the user input fields. Result: Passed because sanitization and input validation procedures were followed.

Password Security: Secure login and password hashing were examined. Result: Passed; sessions were appropriately managed and passwords were safely stored using bcrypt.

Chapter 6: Conclusion and Recommendations

6.1 Conclusion

The creation and application of the Vibes Allied system has effectively produced an approachable, user-friendly platform intended to close the gap for people who are frequently shut out of events because of social anxiety, cultural barriers, language barriers, or introversion. Vibes Allied's user and admin interfaces make it easier to find events and give administrators and event planners the tools they need to efficiently manage, update, and keep an eye on them.

6.2 Summary and Findings

Simplicity and accessibility were key considerations in the design of the user interface (UI). This makes it possible for users who are less tech-savvy or who are dealing with particular social barriers to interact with the system without difficulty. Event management is made extremely efficient by the platform's extensive admin tools for managing users, sponsors, categories, bookings, and events.

We made sure the platform's architecture was scalable, secure, and dependable by following best practices in system design throughout the development process. A flexible and maintainable system that is simple to update when new needs emerge is the outcome of the utilization of contemporary technologies like HTML, CSS, JavaScript, PHP and MySQL.

To make sure the platform is reliable, safe, and offers a seamless user experience, extensive functional, usability, security, and performance tests have been carried out. Every significant feature, such as bookings, user management, event browsing, and security measures, was carefully examined and verified. Under load, the system operated at peak efficiency, handling user data securely and responding quickly.

Nevertheless, the testing and evaluation phase revealed a number of areas that needed improvement despite the system's success. Enhancing user customization, mobile responsiveness, and accessibility for users with a range of needs are the primary goals of these enhancements. By addressing these issues, the system's reach and user base will be further expanded.

All things considered, the Vibes Allied system has achieved its main goal of giving users a way to locate and interact with events with ease. Event planners can efficiently manage and update event details thanks to the admin interface. This project's success demonstrates how technological solutions can improve community interaction and remove obstacles to social engagement.

Contributions

Achievements of the Vibes Allied System

Several significant accomplishments have resulted from the Vibes Allied system's implementation:

User Accessibility: The system's clear, uncomplicated, and easy-to-use interface makes it possible for people with introverted tendencies, social anxiety, and cultural barriers to participate in events with ease. Event Management Simplification: The platform simplifies what is typically a laborious and complicated process for event planners by providing an easy-to-use admin interface for managing events, users, and sponsors.

Security and privacy: To safeguard user data and stop malicious activity, the system has been built with strict security measures like role-based access, data validation, and password encryption.

Real-time Event Updates: To keep users informed, the system enables event planners to notify users in real-time about modifications or forthcoming events.

Flexibility and Scalability: Because the system is constructed with scalable technologies, it can be expanded in the future to accommodate new features, mobile support, and external service integration.

6.3 Recommendations for Future Work

Although the Vibes Allied system has achieved its main goals, there are a few things that could be done better to make it more useful and impactful: Development of Mobile Applications: The system ought to be extended to incorporate a specific mobile application for users of iOS and Android. Although the platform's web version is responsive, users—especially those who are constantly on the go—would benefit from improved notifications, offline functionality, and faster

performance with a native app. Personalized User Experience: More tailored content, like recommendations for events based on past behavior or preferences, would be advantageous to users. Putting in place a recommendation system that is based on user preferences or machine learning could significantly increase engagement and assist users in finding events that are more relevant to their interests.

Multilingual Support: Adding multilingual support would expand the platform's reach, as it seeks to engage users from a variety of cultural backgrounds. This might entail allowing users to choose their preferred language for content and event details and translating the platform into widely used languages.

Advanced Accessibility Features: Despite the system's user-friendly design, users with disabilities could benefit from the implementation of additional accessibility features. This includes keyboard navigation for users who might not be able to use a mouse, high contrast modes for improved visibility, and text-to-speech capabilities.

Social Media Integration: Users could share events with their networks and help raise event visibility by integrating the platform with social media sites like Facebook, Instagram, and Twitter. Additionally, this might promote greater communication between users and event planners. Options for Event Monetization: Adding monetization features, like the capacity to sell tickets straight from the platform or establish event crowdfunding, would give sponsors and event planners additional ways to make money. This could support the platform's upkeep and increase event promotion.

Admins could make data-driven decisions if they had access to sophisticated data analytics on user behavior, event popularity, and booking trends. Optimizing event offerings would benefit from features like heat maps for event attendance, comprehensive demographic insights, and the capacity to monitor user engagement.

Tools for Community Engagement: Building a sense of community could be facilitated by adding social features like user reviews, event ratings, or forums where users can communicate with other attendees of the same event. For introverted users who might wish to network before attending an event, this could be especially helpful.

AI-Powered Chatbots for Support: Using AI chatbots to help users with booking questions, event details, or troubleshooting would minimize the need for manual intervention and offer instant support. Those who are new to the site or are looking for quick answers may find this especially useful.

Final Remarks:

By developing an approachable and intuitive platform for administrators and users, the Vibes Allied system has effectively met a number of important needs in the field of event management. It has the ability to close social interaction gaps, especially for people with special needs, and to make communities more engaging and inclusive.

But like any system, it can always be improved. Vibes Allied can develop as a tool for improving social participation and event engagement by concentrating on additional user personalisation, broadening the platform's reach through mobile applications and multilingual support, and incorporating cutting-edge features. Although the system is very valuable as it is now, it will surely evolve into a platform that is even more inclusive and impactful.

Reference

Singh, G., and Singh, M. (2020). creation of an online platform for event management. 11(2), 158-162, International Journal of Advanced Research in Computer Science.

• Goyal, M., and Sharma, R. (2021). An investigation into web-based event management systems. 10(3), 524–528; International Journal of Engineering Research & Technology (IJERT).

• Kaur, P., and Singh, M. (2022). A hybrid strategy for increasing social engagement with event recommendation systems. 9–15 in International Journal of Computer Applications, 184(36).

• Adebayo, S., and Okafor, J. (2023). Using technology to bridge social and cultural divides: An analysis of mobile event apps in Africa. Social Technology and Digital Innovation Journal, 6(1), 44–53.

World Wide Web Consortium (W3C). (2021). Web Content Accessibility GuidelinesWCAG) 2.1. taken from https://www.w3.org/TR/WCAG21/

• Ahmad, M., and R. Alomari (2024). A survey of accessibility and usability features in contemporary web applications. 40(2), 121–134, International Journal of Human-Computer Interaction.

• Patel, D., and Jones, L. (2020). Event management systems have evolved from manual planning to AI-powered platforms. Journal of Technology Trends, 8(4), 70–81.

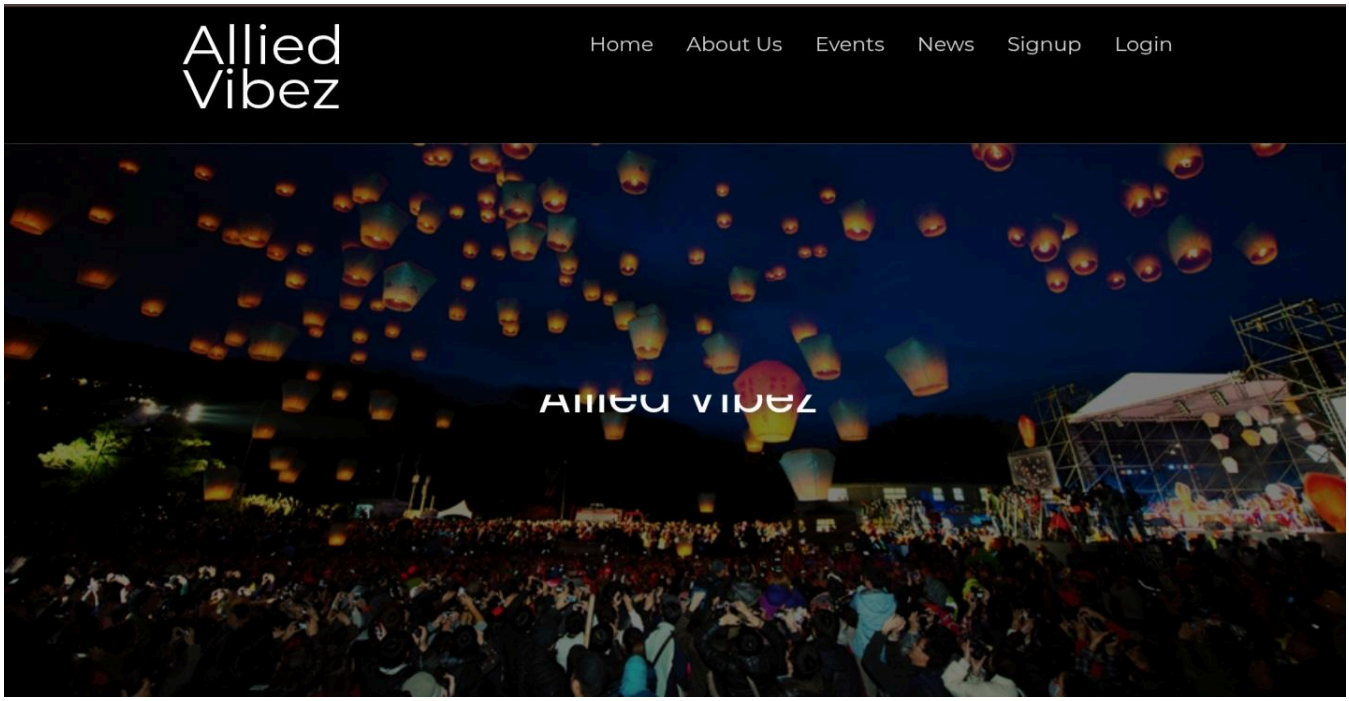
• Moyo, K., and T. Ndlovu (2023). Creating event platforms with empathy in mind for users who are introverted. 15(2), 112–127; African Journal of Information Systems.

• Luo, H., and Zhang, X. (2025). Possibilities and difficulties with AI and personalisation in event engagement platforms. 13(1), 1–10, Journal of Emerging Technologies in Computing.
GitHub, Inc. (2022). GitHub: A platform for version control in collaborative development. taken from https://github.com/

The Bootstrap Team (2023). Documentation for Bootstrap 5. taken from https://getbootstrap.com/docs/

Appendix

User Side



Allied Vibez

Home About Us Events News Signup Login

HOME / ALL EVENTS

UP COMMING EVENTS

Cyber Security Gala	Location : UCU Mukono Main Hall | 2:00pm - 4:00pm	VIEW DETAILS
Web Development Boot Camp	Location : Mukono	VIEW DETAILS
Joels Comedy Night Special	Location : Fox Lounge	VIEW DETAILS
Adventure W		
Mathematics Seminar	Location : UCU Main Hall	VIEW DETAILS

👋 Welcome to Allied Vibez! How can we help you?

1

Allied Vibez

Home About Us Events News Signup Login

HOME / EVENT-DETAILS

CYBER SECURITY GALA DETAILS

This evet will showcase all the latest happenings in the area of Cyber Security. COME ONE COME ALL!

Posting Date: 2025-04-14 12:30:48

Sponser

UCU

IT Summits (Category)

2025-05-22 To 2025-05-22

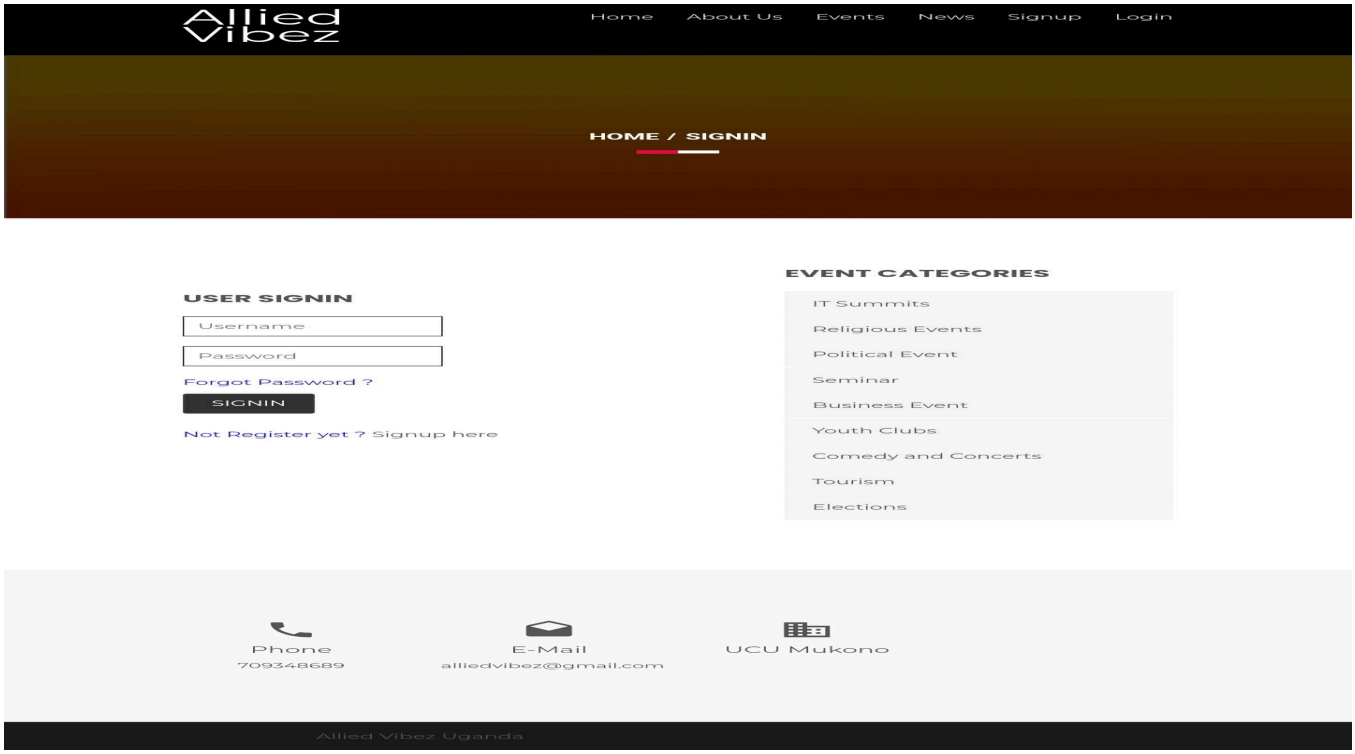
UCU Mukono Main Hall | 2:00pm - 4:00pm

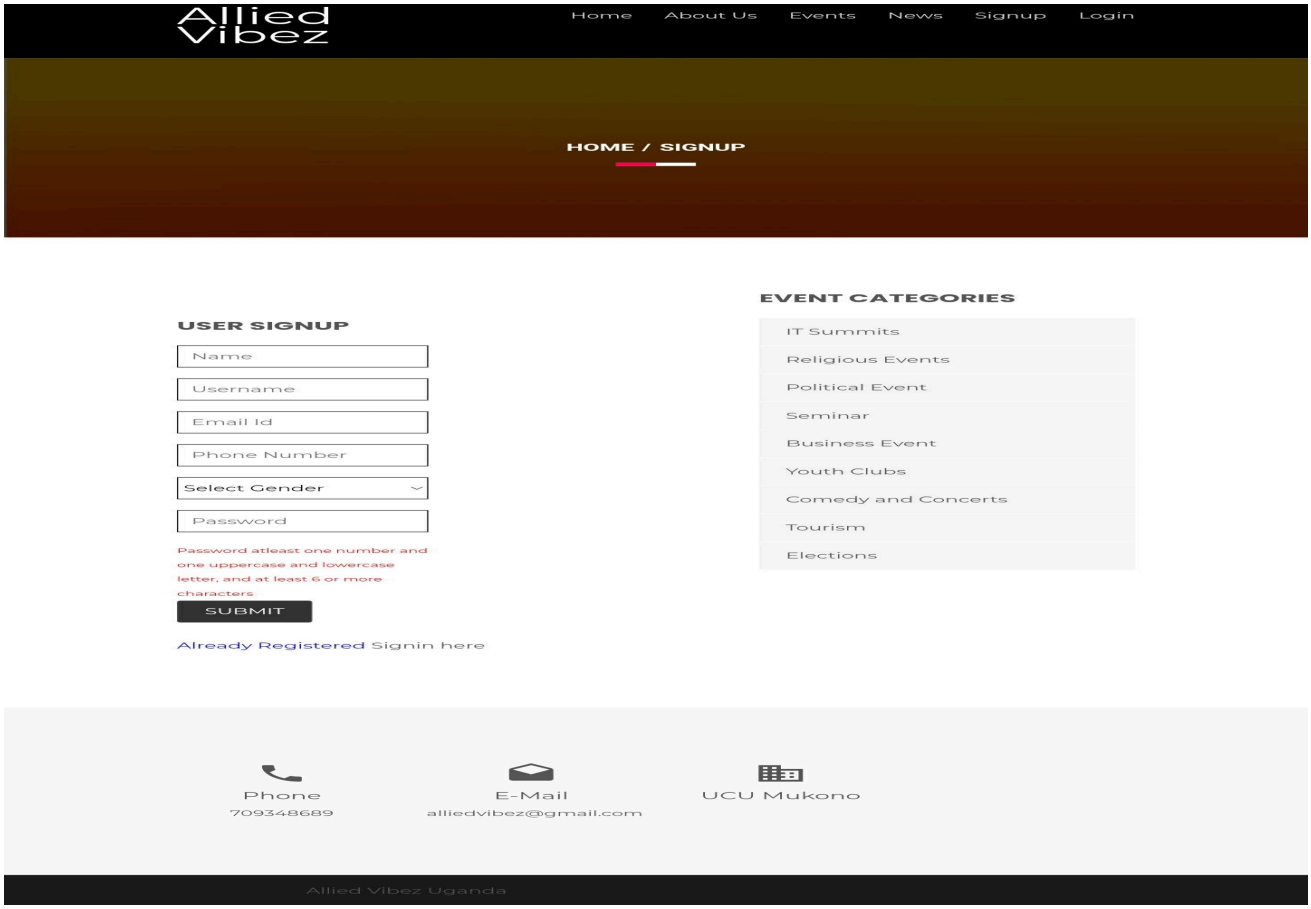
BOOK NOW

Phone
7093488689

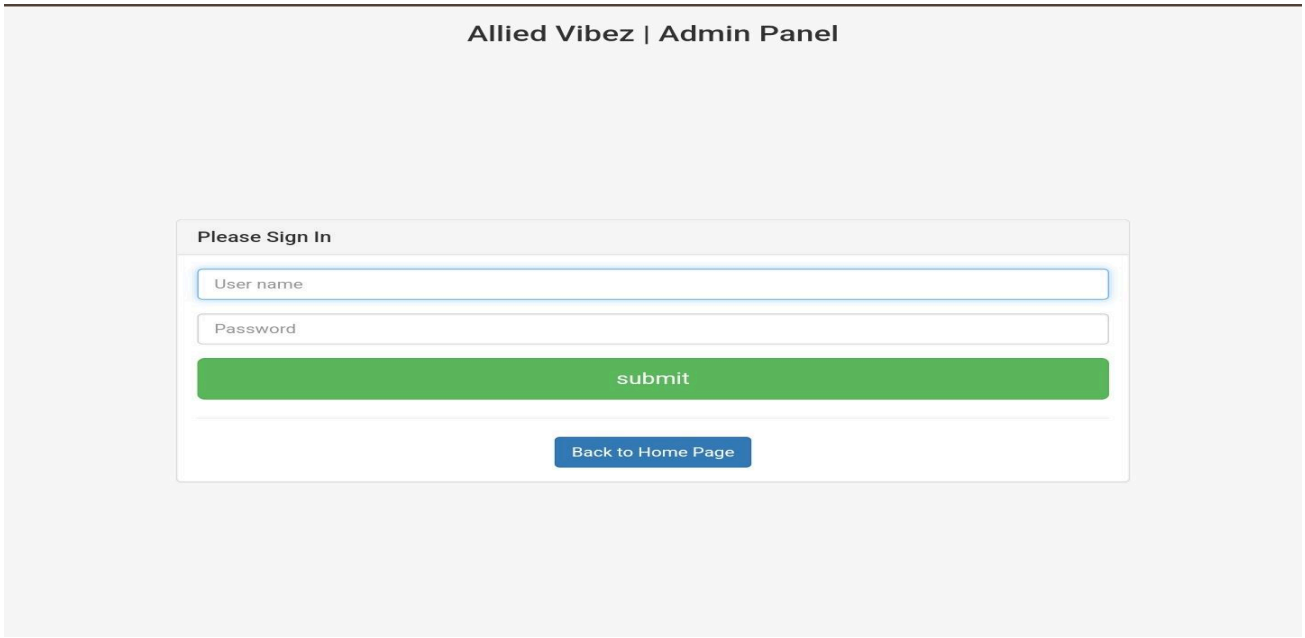
E-Mail
alliedvibez@gmail.com

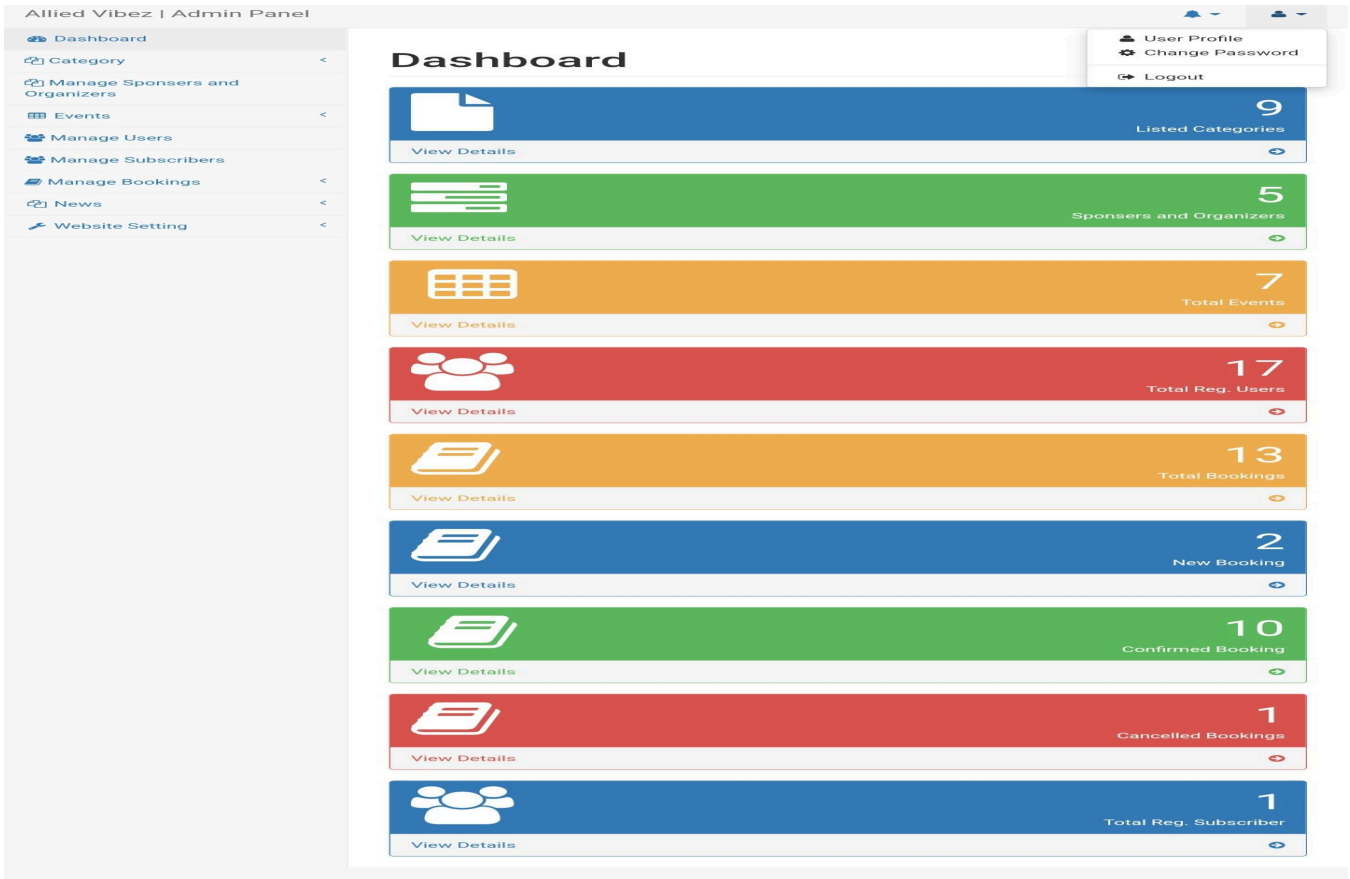
UCU Mukono

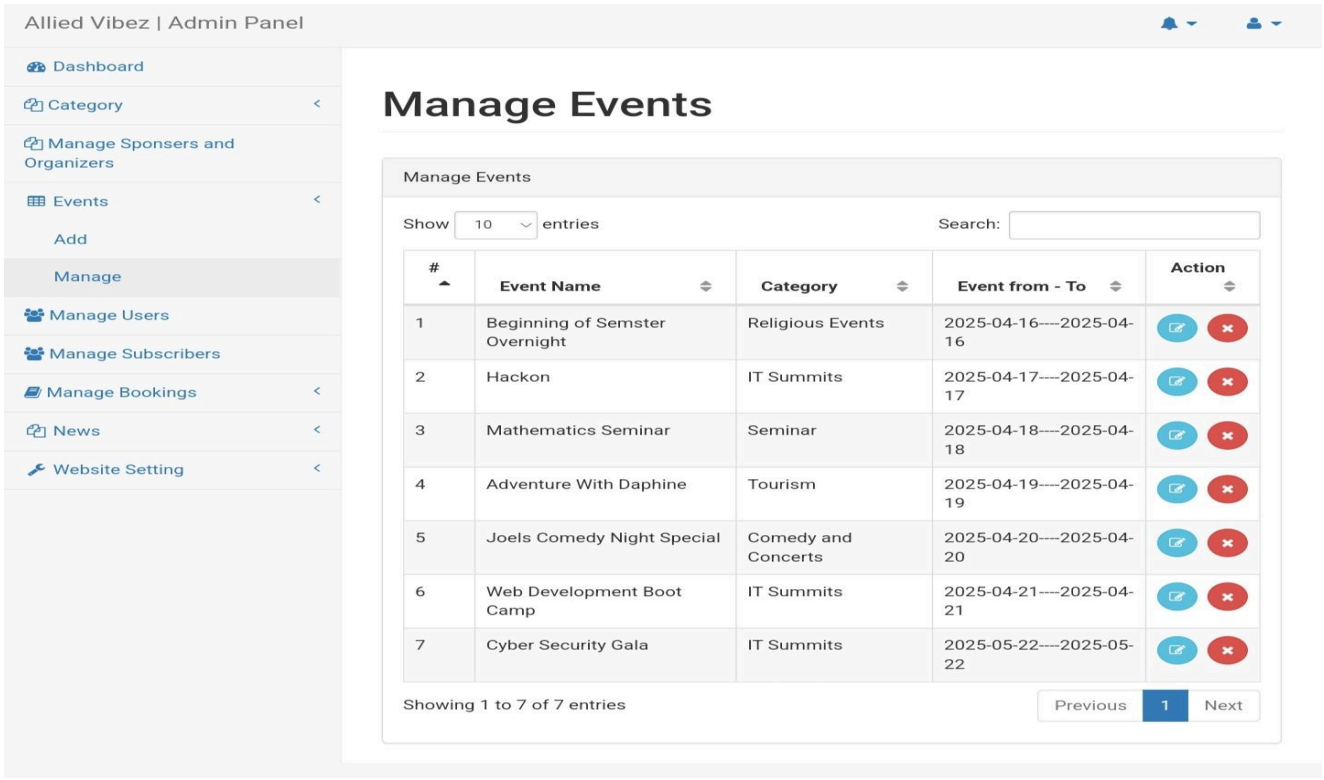

Allied Vibez
Home
About Us
Events
News
Signup
Login
HOME / SIGNIN
USER SIGNIN
Username
Password
Forgot Password ?
SIGNIN
Not Register yet ? Signup here
EVENT CATEGORIES
IT Summits
Religious Events
Political Event
Seminar
Business Event
Youth Clubs
Comedy and Concerts
Tourism
Elections
Phone
709348689
E-Mail
alliedvibez@gmail.com
UCU Mukono
Allied Vibez Uganda

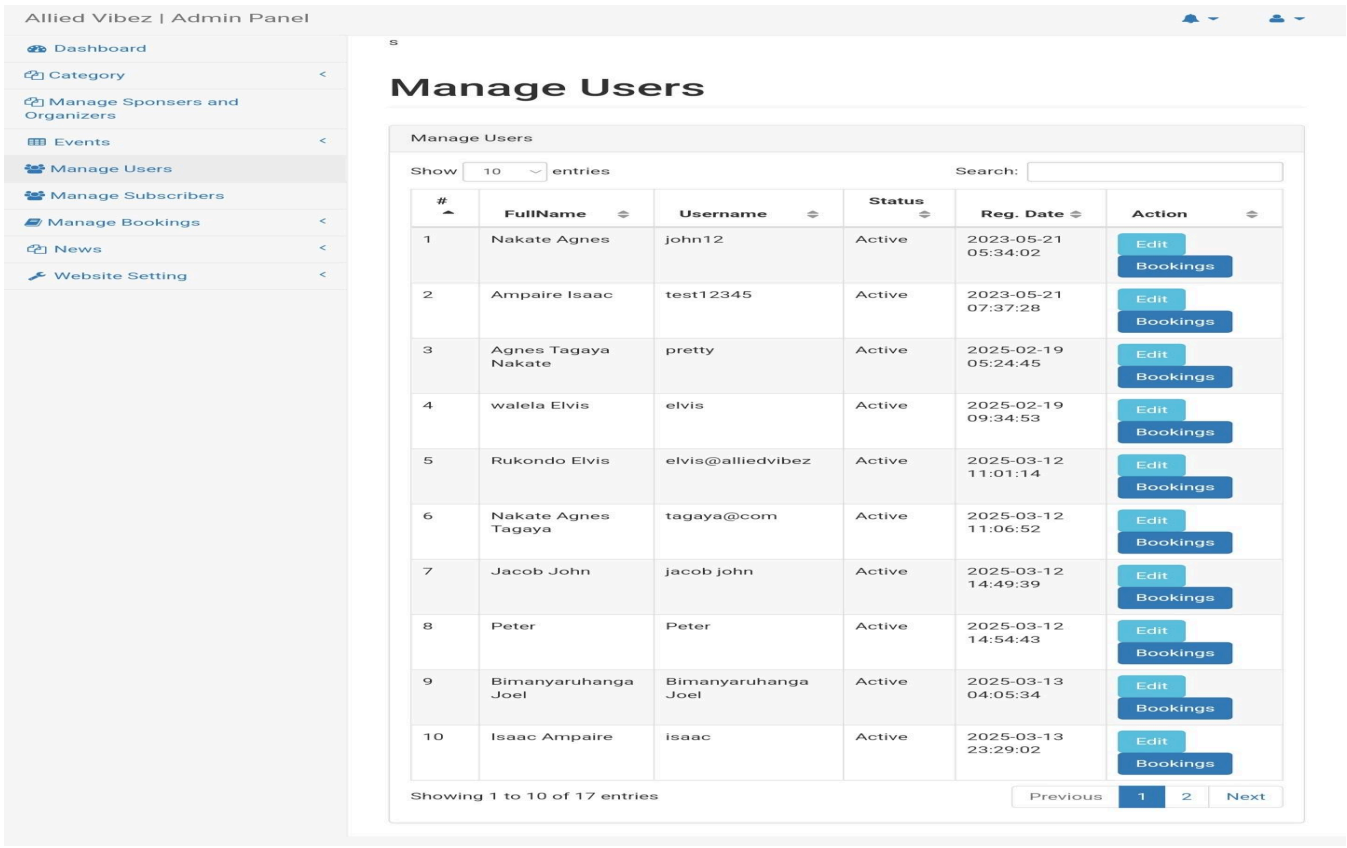

Allied Vibez
Home
About Us
Events
News
Signup
Login
HOME / SIGNUP
USER SIGNUP
Name
Username
Email Id
Phone Number
Select Gender
Password
Password atleast one number and one uppercase and lowercase letter, and at least 6 or more characters
SUBMIT
Already Registered Signin here
EVENT CATEGORIES
IT Summits
Religious Events
Political Event
Seminar
Business Event
Youth Clubs
Comedy and Concerts
Tourism
Elections
Phone
709348689
E-Mail
alliedvibez@gmail.com
UCU Mukono
Allied Vibez Uganda

Admin side


Allied Vibez | Admin Panel
Please Sign In
User name
Password
submit
Back to Home Page


Allied Vibez | Admin Panel
Dashboard
Category
Manage Sponsers and Organizers
Events
Manage Users
Manage Subscribers
Manage Bookings
News
Website Setting
Dashboard
User Profile
Change Password
Logout
9
Listed Categories
View Details
5
Sponsers and Organizers
View Details
7
Total Events
View Details
17
Total Reg. Users
View Details
13
Total Bookings
View Details
2
New Booking
View Details
10
Confirmed Booking
View Details
1
Cancelled Bookings
View Details
1
Total Reg. Subscriber
View Details


Allied Vibez | Admin Panel
Dashboard
Category
Manage Sponsers and Organizers
Events
Add
Manage
Manage Users
Manage Subscribers
Manage Bookings
News
Website Setting
Manage Events
Manage Events
Show 10 entries
Search:
Event Name Category Event from - To Action
1 Beginning of Semster Overnight Religious Events 2025-04-16----2025-04-16
2 Hackon IT Summits 2025-04-17----2025-04-17
3 Mathematics Seminar Seminar 2025-04-18----2025-04-18
4 Adventure With Daphine Tourism 2025-04-19----2025-04-19
5 Joels Comedy Night Special Comedy and Concerts 2025-04-20----2025-04-20
6 Web Development Boot Camp IT Summits 2025-04-21----2025-04-21
7 Cyber Security Gala IT Summits 2025-05-22----2025-05-22
Showing 1 to 7 of 7 entries
Previous 1 Next


Allied Vibez | Admin Panel
Dashboard
Category
Manage Sponsers and Organizers
Events
Manage Users
Manage Subscribers
Manage Bookings
News
Website Setting
Manage Users
Manage Users
Show 10 entries
Search:
FullName Username Status Reg. Date Action
1 Nakate Agnes john12 Active 2023-05-21 05:34:02 Edit Bookings
2 Ampaire Isaac test12345 Active 2023-05-21 07:37:28 Edit Bookings
3 Agnes Tagaya Nakate pretty Active 2025-02-19 05:24:45 Edit Bookings
4 walela Elvis elvis Active 2025-02-19 09:34:53 Edit Bookings
5 Rukondo Elvis elvis@alliedvibez Active 2025-03-12 11:01:14 Edit Bookings
6 Nakate Agnes Tagaya tagaya@com Active 2025-03-12 11:06:52 Edit Bookings
7 Jacob John jacob john Active 2025-03-12 14:49:39 Edit Bookings
8 Peter Peter Active 2025-03-12 14:54:43 Edit Bookings
9 Bimanyaruhanga Joel Bimanyaruhanga Joel Active 2025-03-13 04:05:34 Edit Bookings
10 Isaac Ampaire isaac Active 2025-03-13 23:29:02 Edit Bookings
Showing 1 to 10 of 17 entries
Previous 1 2 Next