SK Davood and M. Subhashini, International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 14 Issue 06, June 2024, Page 1202-1209

Event Management in Vendor module & Booth Setup

[1]**Sk.Davood**,Department of CSE,Narayana Engineering College,Gudur

[2],**Mrs.M.Subhashini**,Department of CSE,Narayana Engineering College,Gudur

Abstract: *The Vendor and Stall modules are crucial components of the Synergy event management website, designed to streamline and optimize the process of organizing and managing events. Built using React's class components, these modules offer robust functionality and an intuitive user interface to handle the complexities associated with vendor management and stall allocation. The Vendor module enables event organizers to efficiently manage vendor information, including vendor registration, contact details, and service offerings. It ensures seamless communication and coordination between vendors and event managers. The Stall module facilitates the allocation and management of stalls at the event venue, allowing for easy assignment, tracking, and modification of stall details. Both modules are integrated with the broader event management system, providing real-time updates and data synchronization to enhance the overall efficiency of event planning and execution. This integration ensures that all stakeholders have access to accurate and up-to-date information, fostering a collaborative and well-organized event environment. The use of React's class components in developing these modules ensures a scalable and maintainable codebase, leveraging the power of modern web development practices to deliver a high-performance user experience.*

Keywords: *component; formatting; style; styling; insert*

INTRODUCTION

The Synergy event management website is a comprehensive platform designed to facilitate the planning, organization, and execution of events. This website aims to streamline the various processes involved in event management by providing a centralized system for managing projects, vendors, payments, and stall allocations. Leveraging the power of React's class components, the Synergy website offers a robust and scalable solution that ensures ease of use, flexibility, and efficiency.

The Vendor module within the Synergy platform is designed to simplify the management of vendor-related activities. This module allows event organizers to register and manage vendors, maintain their contact details, and keep track of the services they provide. By offering a centralized repository for vendor information, the module ensures that all necessary data is easily accessible, facilitating better communication and coordination between event organizers and vendors.

The Stall module is another critical component of the Synergy website, focusing on the allocation and management of stalls at event venues. This module enables event organizers to assign stalls to vendors, track their status, and make necessary adjustments as required. The stall module ensures that the allocation process is transparent and efficient, reducing the likelihood of conflicts and enhancing the overall event experience.

I. RELATED WORK

The development of the Synergy event management website draws inspiration from and builds upon various existing systems and technologies in the domain of event management. The integration of advanced web technologies and comprehensive modules for vendor and stall management aligns with current industry trends and best practices. Below are some related works and concepts that have influenced the design and functionality of the Synergy website.

Event Management Systems (EMS):
Traditional event management systems such as Eventbrite and Cvent have long been utilized to streamline event planning processes. These platforms offer features such as attendee management, event marketing, and registration. The Synergy website expands on these capabilities by incorporating specialized modules for vendor and stall management, addressing the specific needs of large-scale events and exhibitions.

Vendor Management Solutions:
Systems like SAP Ariba and Coupa provide comprehensive vendor management solutions, enabling organizations to manage vendor relationships, track performance, and ensure compliance. The Vendor module in Synergy is designed to offer similar functionalities tailored for event management. It focuses on simplifying vendor registration, maintaining detailed vendor profiles, and facilitating communication between vendors and event organizers.

Stall Allocation and Management:
Platforms such as ExpoPlatform and Eventdex offer stall management solutions for trade shows and exhibitions. These systems provide tools for assigning stalls, managing floor plans, and tracking stall availability. The Stall module in Synergy is influenced by these solutions but integrates more seamlessly with the overall event management framework. It offers real-time updates and adjustments, enhancing the flexibility and efficiency of stall allocation.

Full-Stack Development Practices:
The Synergy website leverages modern full-stack development practices, utilizing technologies such as React for the front end and Node.js for the back end. This approach is inspired by successful implementations in platforms like Airbnb and Netflix, which demonstrate the scalability, maintainability, and performance benefits of using such technologies.

React Class Components:
The use of React class components in Synergy's development aligns with the trend of utilizing component-based architecture in modern web development. React's component-based structure, as seen in platforms like Facebook and Instagram, allows for reusable, modular, and maintainable code. This ensures that the Synergy website can easily adapt to new requirements and scale as needed.

Payment Integration:
Integrating secure and efficient payment solutions is critical for any event management platform. Synergy's Payment module draws from the best practices of leading payment processors like Stripe and PayPal, ensuring secure transactions and compliance with PCI-DSS standards. This module facilitates seamless payment processing, invoicing, and financial tracking for event organizers.

By building upon these existing systems and incorporating best practices from various domains, the Synergy event management website aims to provide a comprehensive, user-friendly, and efficient solution for managing events. The integration of vendor and stall management modules within a cohesive platform sets Synergy apart, offering unique value to event organizers and participants alike.

METHODOLOGY

The methodology outlines the processes, tools, and techniques used to meet the specific objectives of Finbot. The system's development followed the model detailed below, encompassing requirement determination, requirement analysis, system design, implementation, testing, and validation. This approach describes the sequential steps involved

Requirement Determination: Identifying the needs and expectations of the users.Requirement Analysis: Analysing the identified requirements to ensure they are feasible and clear.
System Design: Creating a blueprint for the system, outlining its architecture and components.
Implementation: Developing the system based on the design specifications.
Testing and Validation: Evaluating the system to ensure it meets all requirements and functions correctly.

1. Requirements Gathering:

This phase focuses on understanding what the finbot module needs to achieve.You likely gathered information through various methods like:User interviews to understand user needs and pain points.Stakeholder discussions to define project goals and priorities.Analysing existing systems to identify integration points.The goal is to create a clear picture of what functionalities the finbot should offer.

2. Design:

Here, you translate the gathered requirements into a technical blueprint.This might involve:
Creating wireframes or mock-ups for the user interface (UI) of the finbot.Designing the data flow between the finbot and other parts of your project.Outlining the technical specifications, including the chosen technologies (HTML, CSS, JavaScript, etc.) and how they'll be used.This stage establishes a roadmap for development, ensuring all components work together seamlessly.

3. Development:

This is where you bring the design to life by writing the actual code for the finbot module.You likely used the technologies you mentioned (HTML, CSS, JavaScript, React.js, Next.js, Node.js, Express.js, and MySQL) to build the functionalities.Following coding best practices like proper commenting and code structure ensures maintainability and future updates.

4. Documentation:

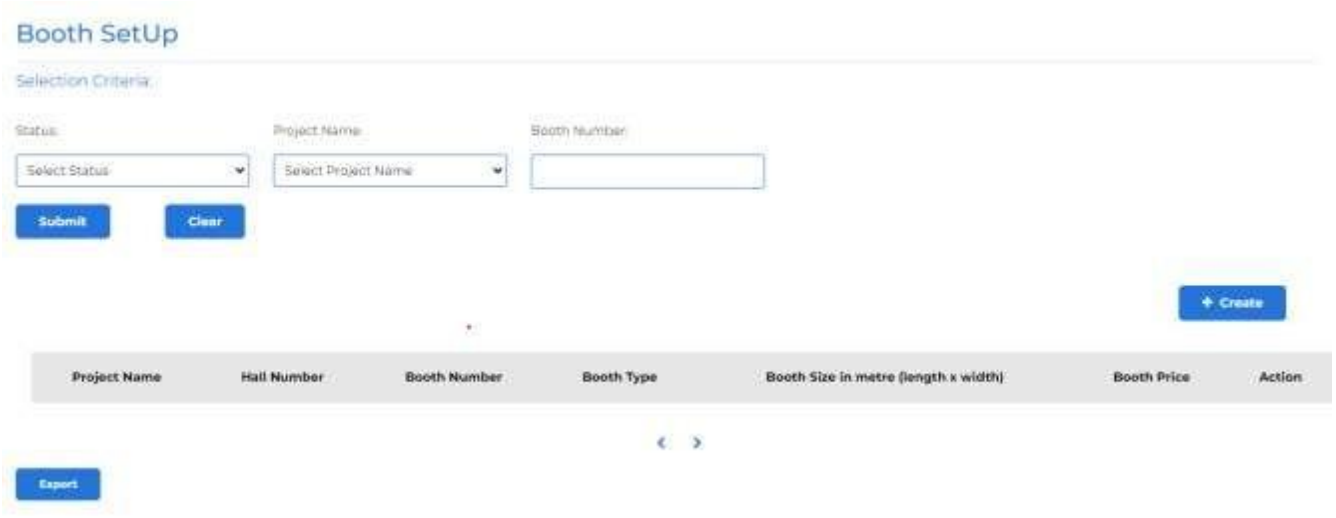
Documenting your code is crucial for understanding and maintaining it in the future.This might involve:
Writing comments within the code itself to explain specific functionalities.Creating external documentation that details the overall architecture, APIs (if applicable), and usage instructions. Clear documentation allows other developers or yourself to easily understand the code's purpose and functionality.

V. RESULTS AND ANALYSIS

Furthermore, leveraging DevOps practices facilitates seamless collaboration between development, operations, and quality assurance teams, streamlining deployment processes andensuring the reliability and scalability of the system. By integrating these methodologies into

the development workflow, the event management project can deliver a robust, user-friendlyplatform that effectively meets the needs of organizers and attendees alike.

Fig : Interface of stall setup



Furthermore, leveraging DevOps practices facilitates seamless collaboration between development, operations, and quality assurance teams, streamlining deployment processes and ensuring the reliability and scalability of the system. By integrating these methodologies into the development workflow, the event management project can deliver a robust, user-friendly platform that effectively meets the needs oforganizers and attendees alike.

1. Creating a record :

In the Stall setup module, the process of creating and inserting records involves capturing essentialinformation about stalls participating in the event. This includes details such as Project name , booth number, Hall number, booth type , booth size,booth price. By systematically recording this information, event organizers can effectively managestall allocations, ensuring a seamless and organized event experience for exhibitors and attendees alike.

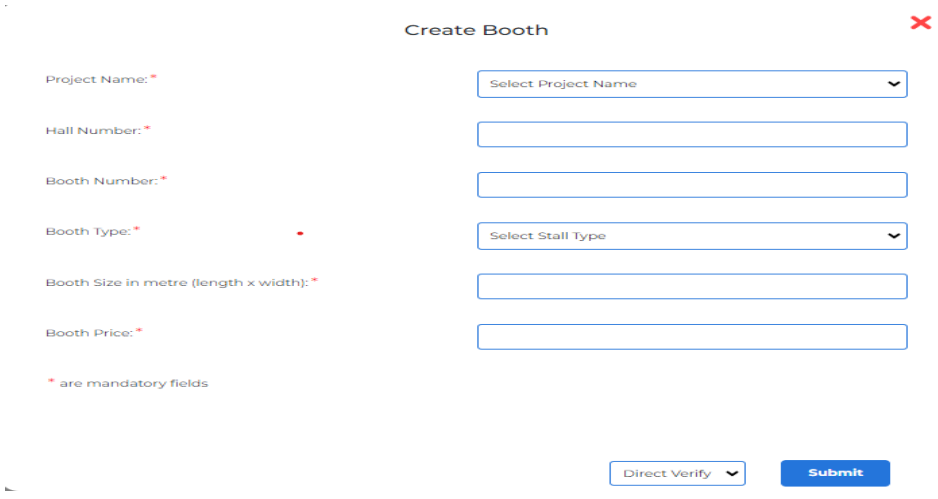


Fig. Form for creating record

2. Inserting record :

The insertion of data into the table follows a structured process designed to ensure accuracy and consistency in recording stall details. Event organizers input relevant information into predefinedfields within the table, such as exhibitor name, contact information, stall number, size, location preferences, and any special requirements. Each piece of data is associated with a specific recordor row within the table, allowing for easy identification and retrieval when needed.

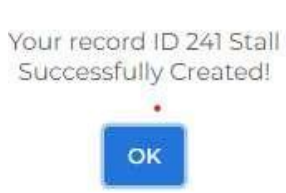
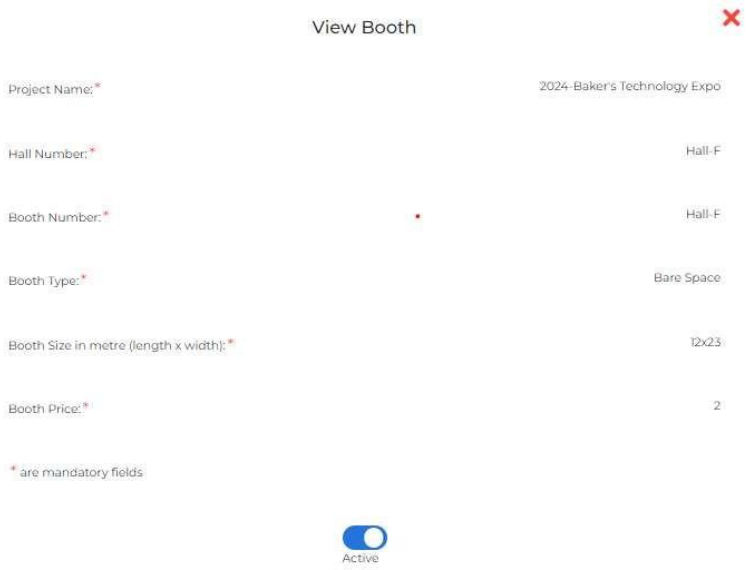


Fig.Notification after inserting record

3. View record :

The viewing functionality within the Stall Details module allows event organizers to access and review the information stored in the database. Organizers can easily navigate through the records, view specific details of each stall, and gain insights into stall assignments, exhibitor profiles, and other relevant information. This feature provides a comprehensive overview of stall arrangements and facilitates informed decision-making throughout the event planning and execution process. Event organizers can navigate through the records within the Stall Details module to view specific details of each stall, such as exhibitor name, contact information, stall number, size, location, and any special requirements or preferences. The viewing interface presents this information in a user-friendly format, making it easyfor organizers to scan through records and retrieve relevant details as needed.

The viewing functionality within the Stall Details module is designed to supportinformed decision-making and efficient event planning by providing organizers with a clear and up-to-date understanding of stall arrangements and exhibitor profiles. Organizers can use this information to identify trends, address any discrepancies or issues, and ensure that stall assignments align with the overall objectives and requirements of the event.
Furthermore, the viewing interface may offer additional features such as search filters, sorting options, and customizable views to enhance usability and accessibility for event organizers. These features enable organizers to refine theirsearch criteria, organize records based on specific parameters, and tailor the viewing experience to their preferences and needs.

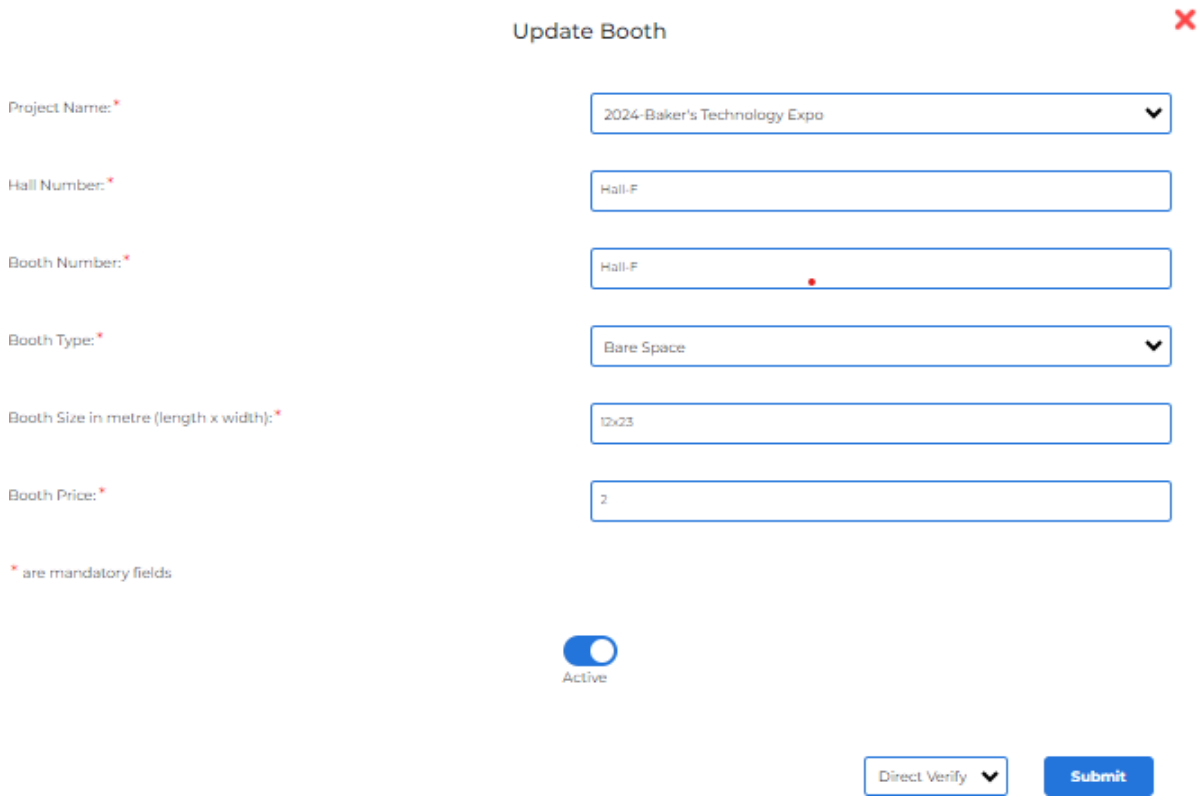


4. Update record :

In the Stall Details module of the event management system, the ability to update records is crucial for maintaining accurate and up-to-date information about exhibitors and their stalls throughout the event lifecycle. This functionality empowers event organizers to make necessary adjustments, modifications, or corrections to existing stalldetails as circumstances change or new information becomes available.

The updating process begins with event organizers accessing the records within the StallDetails module to identify the specific record or records requiring updates. Organizers can then initiate the update process by selecting the relevant record and accessing an editing interface that allows them to modify the existing information.

Event organizers have the flexibility to update various aspects of stall details, includingexhibitor contact information, stall assignments, stall size or location, special requirements, and any other relevant details. They can input new data, overwrite existing information, or delete obsolete entries to ensure that the records accurately reflect the current state of stall arrangements and exhibitor profiles.



5. Result analysis :

Result analysis within the Stall Details module of the event management system involvesexamining the data collected and stored in the database to derive insights, identify trends, and make informed decisions regarding stall management and event planning. By analyzing theresults, event organizers can evaluate the effectiveness of stall allocations, assess exhibitor satisfaction, and optimize resource allocation for future events.

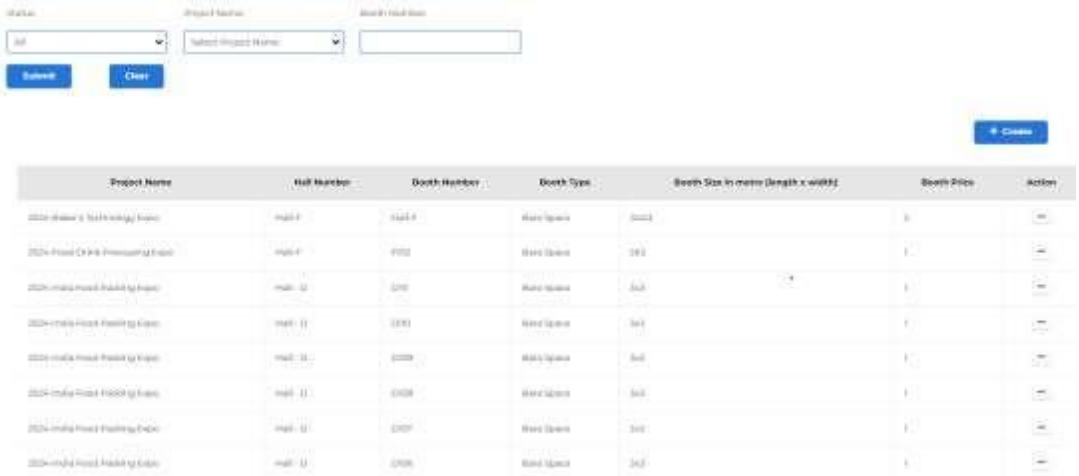
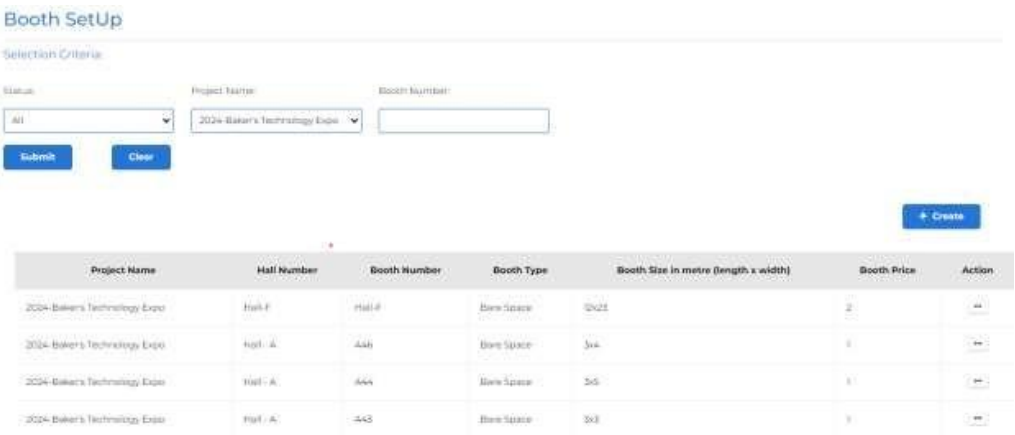


Fig. Filtering the records using project name :



CONCLUSION

The Synergy event management website represents a significant advancement in the realm of event planning and organization. By integrating specialized modules for vendor and stall management, it addresses critical needs that are often overlooked in traditional event management systems. The platform leverages the power of modern web technologies, particularly React's class components, to deliver a scalable, maintainable, and high-performance solution.The Vendor module simplifies the complex process of managing vendor relationships, ensuring that all necessary information is centralized and easily accessible. This enhances communication and coordination between event organizers and vendors, ultimately contributing to the smooth execution of events.

VI. REFERENCES

- **Event Management Systems**:
  - Eventbrite: https://www.eventbrite.com/
  - Cvent: https://www.cvent.com/
- **Vendor Management Solutions**:
  - SAP Ariba: https://www.ariba.com/
  - Coupa: https://www.coupa.com/
- **Stall Allocation and Management**:
  - ExpoPlatform: https://expoplatform.com/
  - Eventdex: https://www.eventdex.com/
- **Full-Stack Development Practices**:
  - Airbnb Engineering & Data Science: https://airbnb.io/
  - Netflix Tech Blog: https://netflixtechblog.com/