

August 2024

EVENT SPHERE
MANAGEMENT



EventSphere

"Where your vision meets our passion for unforgettable events."

TEAM MEMBERS

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www.EventSphere.com

DESIGN AND DEVELOP BY

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02

1. Acknowledgement

First of all we would like to thank Almighty Allah for giving us First of all we would like to thank Almighty Allah for giving us strength and ability to complete this project. And then, we strength and ability to complete this project. And then, we would like to express my special thanks of gratitude to our would like to express my special thanks of gratitude to our teacher Sir Daniyal Ghani who guided us on the project Sir Daniyal Ghani who guided us on the project EventSphere, which also helped us in doing a lot of EventSphere, which also helped us in doing a lot of new learning and we came to know about so many new things, new learning and we came to know about so many new things, we are really thankful to him. We are highly thankful to Sir we are really thankful to him. We are highly thankful to Sir Daniyal Ghani for his guidance and constant supervision as for his guidance and constant supervision as well as for providing necessary information regarding the well as for providing necessary information regarding the project & also for his support in completing the project. Lastly, project & also for his support in completing the project. Lastly, we would also like to thank our parents and friends who we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time helped us a lot in finalizing this project within the limited timeframe. We also express our sincere gratitude to E-Project frame. We also express our sincere gratitude to E-Project team from Aptech Head Office, for their valuable guidance team from Aptech Head Office, for their valuable guidance and support for the completion of this project. We earnestly and support for the completion of this project. We earnestly hope that this project will provide all the necessary hope that this project will provide all the necessary information required by the user to fulfill his/her inspiration. information required by the user to fulfill his/her inspiration. However, suggestion and feedback for improvements will be However, suggestion and feedback for improvements will be thankfully welcomed & acknowledged.

2. INTRODUCTION

The thirst for learning, upgrading technical skills and applying the concepts in real life environment at a fast pace is what the industry demands from IT professionals today. However busy work schedules, far-flung locations, unavailability of convenient time-slots pose as major barriers when it comes to applying the concepts into realism. And hence the need to look out for alternative means of implementation in the form of ladder approach.

The above truly pose as constraints especially for our students too! With their busy schedules, it is indeed difficult for our students to keep up with the genuine and constant need for integrated application which can be seen live especially so in the field of IT education where technology can change on the spur of a moment. Well, technology does come to our rescue at such times!!

Keeping the above in mind and in tune with our constant endeavour to use Technology in our training model, we at Aptech have thought of revolutionizing the way our students learn and implement the concepts using tools themselves by providing a live and synchronous eProjectlearning environment!

3. What's This E-Project

E-Project is a step-by-step learning environment that closely simulates the classroom and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to

1. Practice step by step i.e. ladder approach.
2. Build a larger more robust application.
3. Usage of certain utilities in applications designed by user.
4. Single program to unified code leading to a complete application.
5. Learn implementation of concepts in a phased manner.
6. Enhance skills and add value.
7. Work on real life projects.
8. Give a real life scenario and help to create applications more complicated and useful.
9. Mentoring through email support.

The students at the center are expected to complete this E-Project and send complete project along with the documentation to E-Projects Team
Looking forward to a positive response from your end!!

4. Objectives of the Project

The Objective of this program is to give a sample project to work on real life projects.
These applications help you build a larger more robust application.

The objective is not to teach you the concepts but to provide you with a real life scenario
and help you create applications using the tools.

You can revise them before you start with the project.

It is very essential that a student has a clear understanding of the subject.
Kindly get back to eProjects Team in case of any doubts regarding the application
or its objectives.

5. BACKGROUND

EventSphere Management, a leading event management firm specializing in organizing large-scale expos and trade shows across industries, recognized the challenges inherent in traditional expo management processes. Organizers, exhibitors, and attendees faced numerous inefficiencies and hurdles, including manual registration systems, disjointed communication channels, and limited access to real-time event information.

Driven by a commitment to revolutionize the expo experience, EventSphere Management sought to harness the power of technology to address these pain points by creating a robust and efficient system.

6. PROBLEM STATMENT

Despite the widespread demand for convenient and accurate currency conversion solutions, existing options often lack the versatility and user-friendliness required to meet the diverse needs of individuals, travelers, and businesses. This gap in the market inhibits seamless financial transactions, leading to inefficiencies and potential losses for users. ABC Finance Ltd. recognizes the pressing need for a comprehensive currency conversion application that not only provides real-time exchange rates but also offers intuitive features tailored to the specific requirements of its users. Therefore, the development of "CurrenSee" aims to address these challenges by delivering a sophisticated yet user-centric platform that revolutionizes the way people and businesses manage their currency exchange needs.

9. FUNCTIONAL RERUIEMENTS

Following list are the major features expected from CurrenSee:

User Authentication:

User Registration and Login:

- Users (organizers, exhibitors, attendees) can create accounts and log in securely.
- Differentiate user roles (admin/organizer, exhibitor, attendee) upon registration.

Password Management:

- Enable password reset/forgot password functionality.
- Implement password encryption for secure storage.

Admin/Organizer Dashboard:

Expo Management:

- Create, edit, and delete expo events.
- Manage expo details: title, date, location, description, theme, etc.
- Allocate booth spaces on the floor plan.

Exhibitor Management:

- View exhibitor registrations and applications.
- Approve or reject exhibitor applications.
- Assign booth spaces and manage booth details.

Schedule Management:

- Create and manage event schedules with time slots and sessions.
- Assign speakers, topics, and locations to sessions.
- Allow changes and updates to the schedule.

Analytics and Reporting:

- Generate reports on attendee engagement, booth traffic, and session popularity.
- Display real-time analytics on expo performance.

Exhibitor Portal:

Registration and Profile Management:

- Register for expos by providing company details, products/services, and required documents.
- Update exhibitor profiles, including logos, descriptions, and contact information.

Booth Selection and Management:

- View available booth spaces on floor plans.
- Select and reserve booth spaces based on preferences.
- Manage booth details, such as products/services showcased and staff information.

Communication:

- Communicate with organizers/admins for inquiries or support.
- Interact with neighboring exhibitors for collaboration via messaging or contact information exchange.

Attendee Interface:**Event Information and Registration:**

- Access event details, including schedule, exhibitor list, and floor plans.
- Register for events, sessions, or workshops.

Exhibitor Search and Interaction:

- Search and filter exhibitors based on categories, products, or keywords.
- View exhibitor profiles and booth locations on the floor plan.
- Initiate communication with exhibitors (chat/email) for inquiries or appointments.

Schedule Management:

- Browse event schedules, sessions, and workshops.
- Bookmark or register for sessions of interest.
- Receive notifications or reminders for bookmarked sessions.

General System Features:**Real-time Updates:**

- Ensure real-time updates for schedules, booth allocations, and any changes in event details.

Feedback and Support:

- Provide a feedback mechanism for users to submit suggestions or report issues.

10. Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the application.

Responsiveness:

The app should respond to user interactions within 1-2 seconds, ensuring a smooth and lag-free experience.

Loading Time:

The app's initial loading time should be minimized to ensure users can access it quickly.

Concurrent Users:

The application should support hundreds of concurrent users without performance bottlenecks.

Security:

Data Encryption: All sensitive user data, including passwords and personal information, must be securely encrypted during storage and transmission.

Authentication: User authentication should be secure and use industry-standard practices to prevent unauthorized access.

Authorization: Access control must be implemented to ensure users can only access their own data or public data, as per their settings.

Privacy:

Data Privacy: The application must comply with data privacy regulations such as GDPR, ensuring user data is handled and stored with care.

User Consent: Users should have control over the data they share and provide informed consent for data processing and sharing.

Reliability:

Uptime: The application should aim for a minimum of 99% uptime, with scheduled maintenance communicated in advance.

Data Backup: Regular automated data backups must be performed to prevent data loss in case of system failures.

Usability:

User Interface Design: The application should have an intuitive, user-friendly interface with consistent navigation and a responsive design that works on various devices.

Accessibility: The application must adhere to accessibility standards (e.g., WCAG) to ensure it is usable by individuals with disabilities.

Compatibility:

Cross-Browser Compatibility: The application should function correctly on popular web browsers, including Chrome, Firefox, Safari, and Edge.

Mobile Compatibility: The application should be responsive and work well on various mobile devices and screen sizes.

Scalability:

Horizontal Scalability: The architecture should support horizontal scaling to accommodate increased user loads as the user base grows.

Performance Monitoring:

Logging and Monitoring: The system should include logging and monitoring tools to track application performance, errors, and user activity for debugging and analysis.

Testing and Quality Assurance:

Test Coverage: A comprehensive test suite should be maintained, covering unit testing, integration testing, and end-to-end testing.

Security Testing:

Regular security assessments, including penetration testing, must be conducted to identify vulnerabilities.

Documentation:

User Documentation: Provide user guides, FAQs, and tutorials to help users understand and navigate the application.

Developer Documentation: Maintain developer documentation to assist in further development and maintenance.

Video: Provide video displaying complete working of the application.

11. Hardware and Software Requirements

There are several hardware and software requirements that should be fulfilled by the application.

Developer Documentation:

Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
 - 128 Megabytes of RAM or better
 - Windows 2000 Server (or higher if possible)

Software

- Use software as per your requirement • Windows OS
/MongoDB/Express/React/Node.js/Notepad

7. DIAGRAMS

Architecture and Design of the System

Figure 1.1 display the application architecture

MERN Stack Architecture

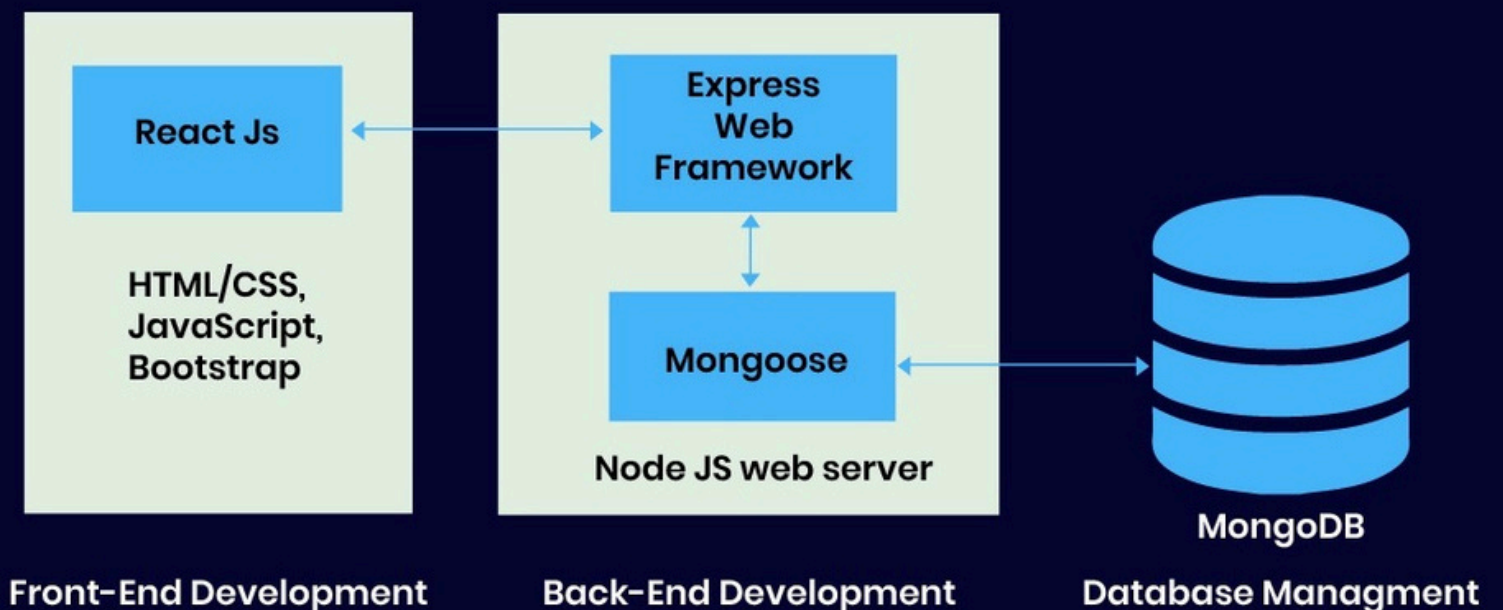
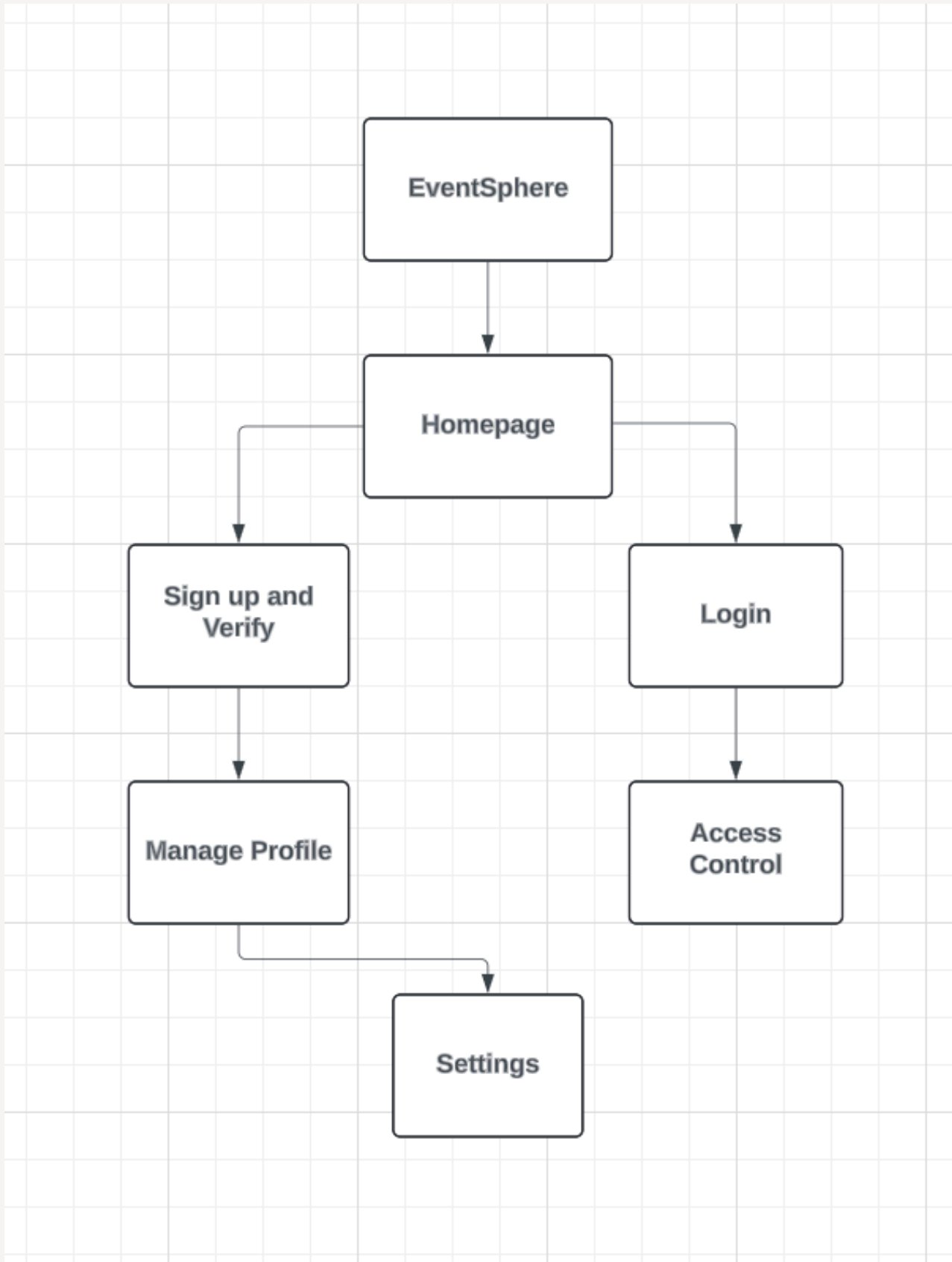


Figure 1.1: Application Architecture

Data Flow Diagram

Figure 1.3 display the First level diagram of Data Flow Diagram



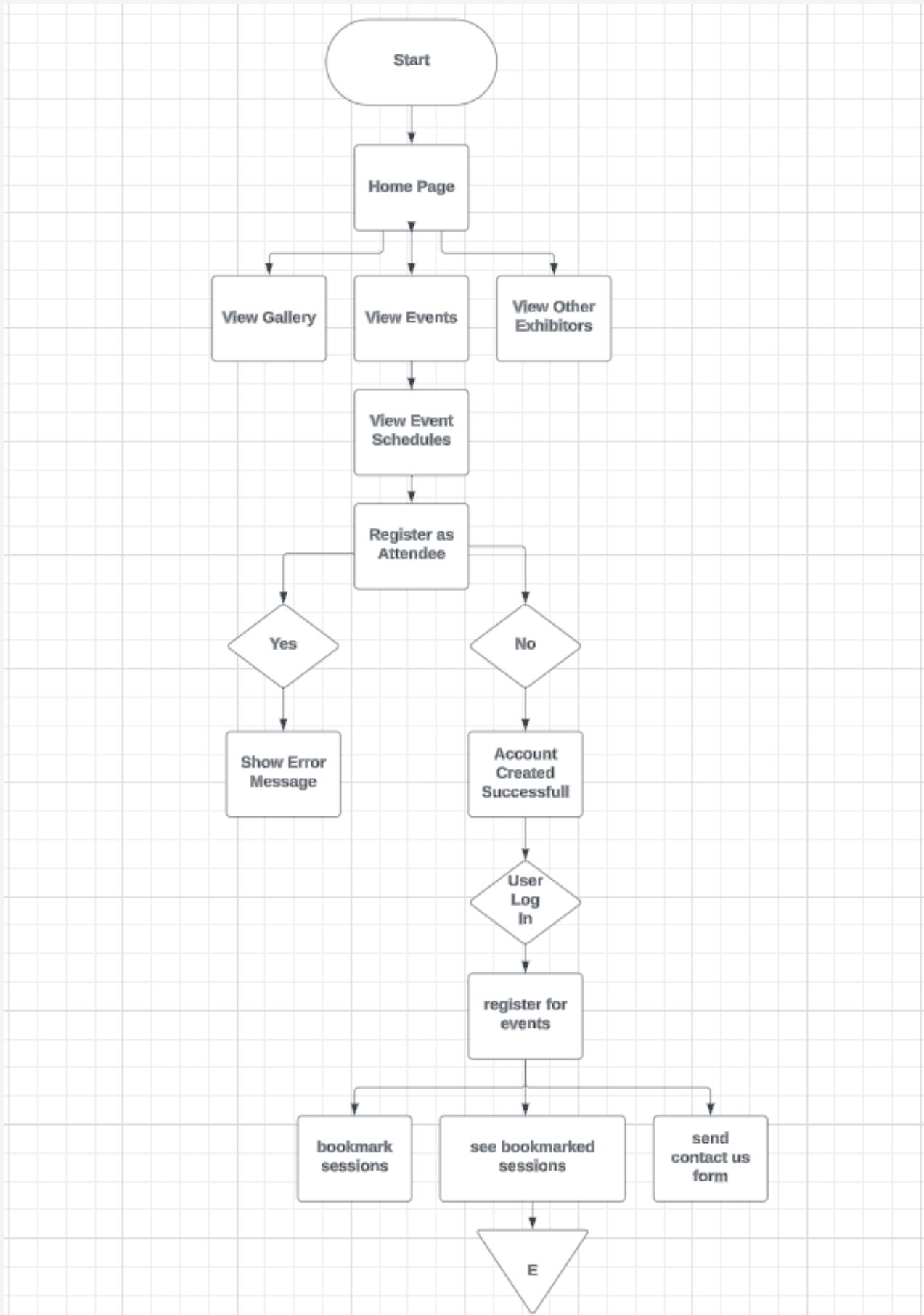
FLOW CHART

Figure 1.5 display the Flow chart for user Journey



FLOW CHART

Figure 1.5 display the Flow chart for user Journey



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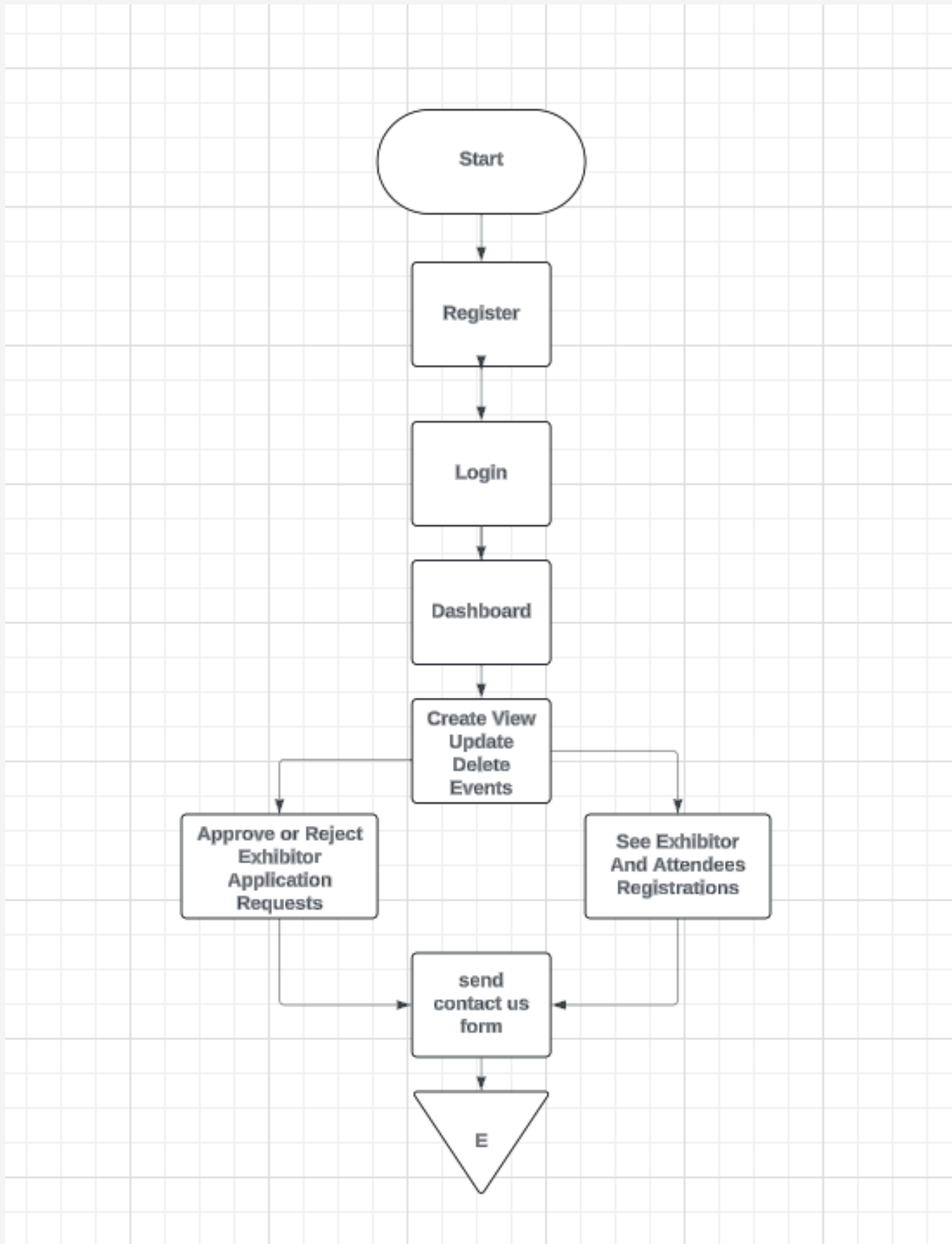
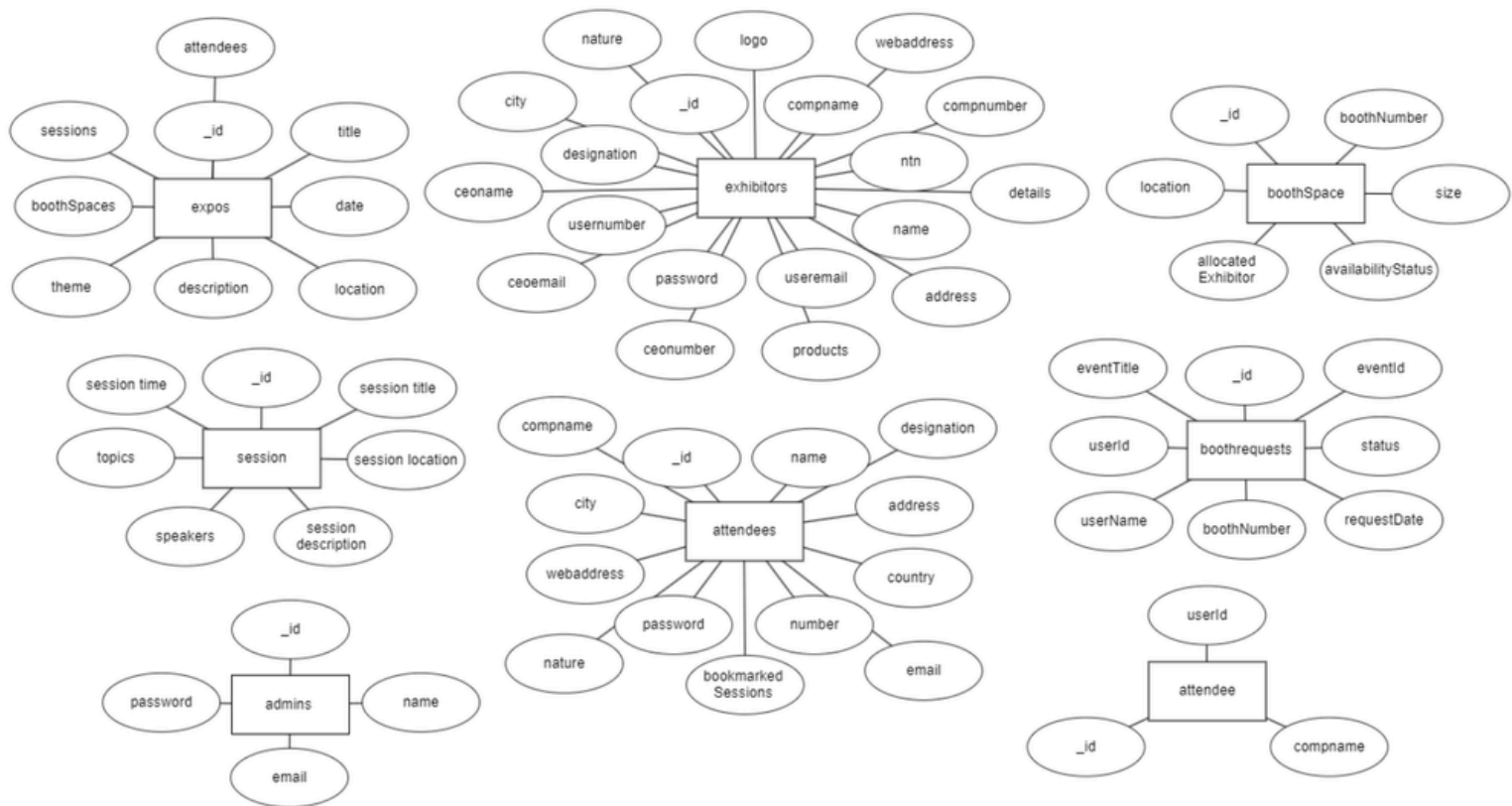


Figure 1.10 display the ERD Diagram

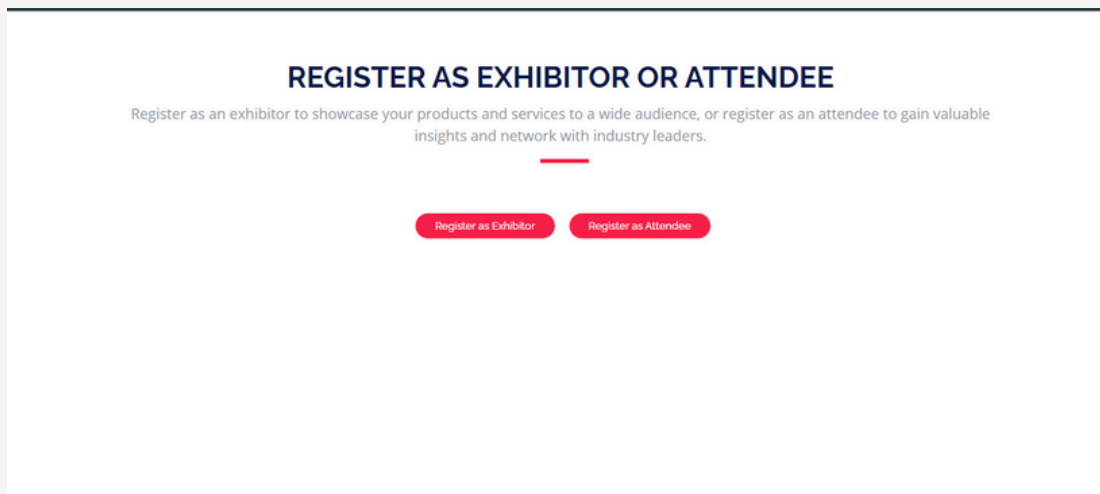
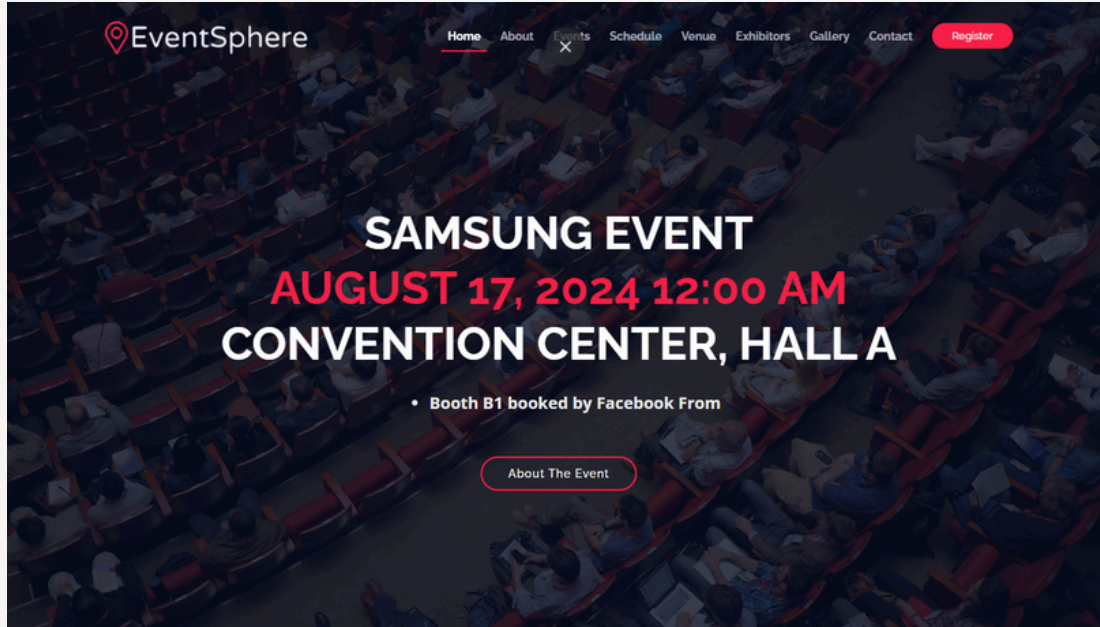


ERD DIAGRAM

8. TASK ALLOCATION

PROJECT REF.NO		DATE OF PREPRATION OF ACTIVITY PLAN			
SR NO.	TASK	ACTUAL START DATE	ACTUAL DAYS	MEMBER NAME	STATUS
1	BACKEND	01/07/2024	7 DAYS	MUHAMMAD AHSAN	COMPLETED
2	BACKEND	01/07/2024	7 DAYS	HASHIR AHMED KHAN	COMPLETED
3	FRONTEND	01/07/2024	7 DAYS	HASHIR /AHSAN	COMPLETED
4	DOCUMEN TATION	01/07/2024	6 DAYS	HASHIR AHMED KHAN	COMPLETED

12. SCREEN SHOTS



12. SCREEN SHOTS

