LA GRANDEE INTERNATIONAL COLLEGE

Simalchaur, Pokhara, Nepal

MIDTERM DEFENSE ON

VENUE MATCH

Submitted to:

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Bachelor of Computer Application (BCA) Program

In partial fulfillment of the requirements for the degree of BCA under Pokhara University

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I express my sincere regard to my project supervisor Sunil Sapkota, for his valuable time, guidance, encouragement, support and cooperation throughout the duration of our project. I would sincerely like to thank BCA Department for giving me the opportunity to work on enhancing my technical skills while undergoing this project. This project helped in understanding the various parameters which are involved in the development of a mobile application and the working and integration of frontend along with the backend to create a fully functional mobile application.

We would like to express our gratitude to Pokhara University for developing a highly valuable curriculum and enabling us to undertake this project. Furthermore, we extend our sincere appreciation to La Grandee International College, whose assistance has been instrumental in making our project a reality. Without their support, our project would have been unattainable.

With Regards,

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List of abbreviation

DFD- Data Flow Diagram

MySQL- My Structured Query Language

ER- Entity Relationship

1. Introduction

In the fast-paced world of event planning, finding the perfect venue can be a daunting task. Event organizers often struggle with limited options, lack of information, and time-consuming coordination. To address these challenges and revolutionize the way venues are discovered and booked, we present our innovative Venue Match App.

The Venue Match App is a comprehensive platform designed to simplify the process of finding, comparing, and booking venues for various events. It provides event organizers with a user-friendly interface and a vast database of venues, complete with detailed information on availability, capacity, amenities, pricing, and location.

Our app aims to enhance the user experience by offering a personalized journey. With features such as recommendations, saved searches, and customized notifications, users can easily discover venues that align with their specific needs and preferences. Whether it's a corporate conference, wedding reception, or social gathering, the Venue Planner App streamlines the entire venue selection process.

Not only does the app benefit event organizers, but it also empowers venue managers. Our platform includes tools for efficient venue management, such as automated booking confirmation, availability calendars, and online payment processing. This enables venue managers to streamline operations, optimize bookings, and provide a seamless experience for event planners.

Furthermore, the Venue Match App boosts venue exposure by integrating social media platforms, implementing search engine optimization techniques, and offering targeted advertising options. The app provides analytics and insights on venue performance, allowing venues to make data-driven decisions and optimize their listings for maximum exposure.

We understand the importance of fostering positive relationships between event planners and venues. Our app facilitates communication channels, rating and review systems, and feedback mechanisms to ensure transparency, trust, and collaboration.

In conclusion, the Venue Planner App revolutionizes the venue selection process by offering a comprehensive platform for event organizers and venue managers. With its user-friendly interface, personalized recommendations, efficient venue management tools, increased exposure opportunities, and emphasis on positive relationships, our app is set to become the go-to resource for seamless and successful event planning.

2. Problem Statement

The current state of venue applications presents several challenges and limitations

- Selecting Venues manually is a complex and time-consuming process.
- Tracking guest lists and managing budgets can be difficult.
- Coordinating with vendors and ensuring seamless communication is a challenge.
- Venues may struggle to reach a wider audience and efficiently manage bookings.
- There is a need for a comprehensive and user-friendly event planner app.
- The app should simplify the planning process and enhance the user experience.
- There is a need for a platform that fosters positive relationships between event planners and venues.

3. Objectives

Venue match app can vary depending on the specific goals of the project and the target audience. However, here are some common objectives that we are focusing while developing a venue match app:

1. Simplify venue booking with detailed venue information and availability.
2. Enhance user experience with easy venue searching and booking.
3. Improve venue management with efficient tools for booking, calendars, and integrating payment methods like (KHALTI,ESEWA,etc)
4. Provide value to event planners with tools for budget, guest, and vendor management.
5. Foster positive relationships with rating systems and communication channels.
6. Provide detailed venue information and overviews to help users make informed decisions.

4.Background Study

During analysis of this project, we used different methods to collect information about VENUE MATCH and the trend of using this system in the market. Before creating a venue management app, conducting a comprehensive background study is crucial. Here are some key areas that have been considered during the background study:

1. Market Research: Conduct market research to identify the demand for venue management apps.
2. Competitor Analysis: Analyze existing venue management apps in the market. Identify gaps or areas where your app can provide unique value or differentiate itself from competitors.
3. Stakeholder Interviews: Conducted interviews or surveys with event planners, venue owners, and potential users to understand their specific requirements.
4. Feature Identification: Based on the market research and stakeholder interviews, identify the core features that your venue management app should offer.
5. User Experience Design: Determine the user flow, navigation, and interface design that will provide an intuitive and efficient experience for app users.
6. Integration Possibilities: Explore potential integrations with other platforms or services that can enhance the functionality of your venue management app. This could include integrating with payment gateways, event ticketing platforms, CRM systems, or marketing tools to streamline processes and provide additional value to users.

By conducting a thorough background study in these areas, you have gained valuable insights and information to guide the development of your venue management app. It helps ensure that the app meets the specific needs of the target audience, offers a seamless user experience, and provides value in a competitive market.

4. Methodology

For the development of VENUE MATCH application, we use the iterative model. Iterative model is one of the popular models for development of projects. Iterative model starts with a simple implementation of a subset of the software requirements and iteratively enhances the evolving versions until the full system in implemented.

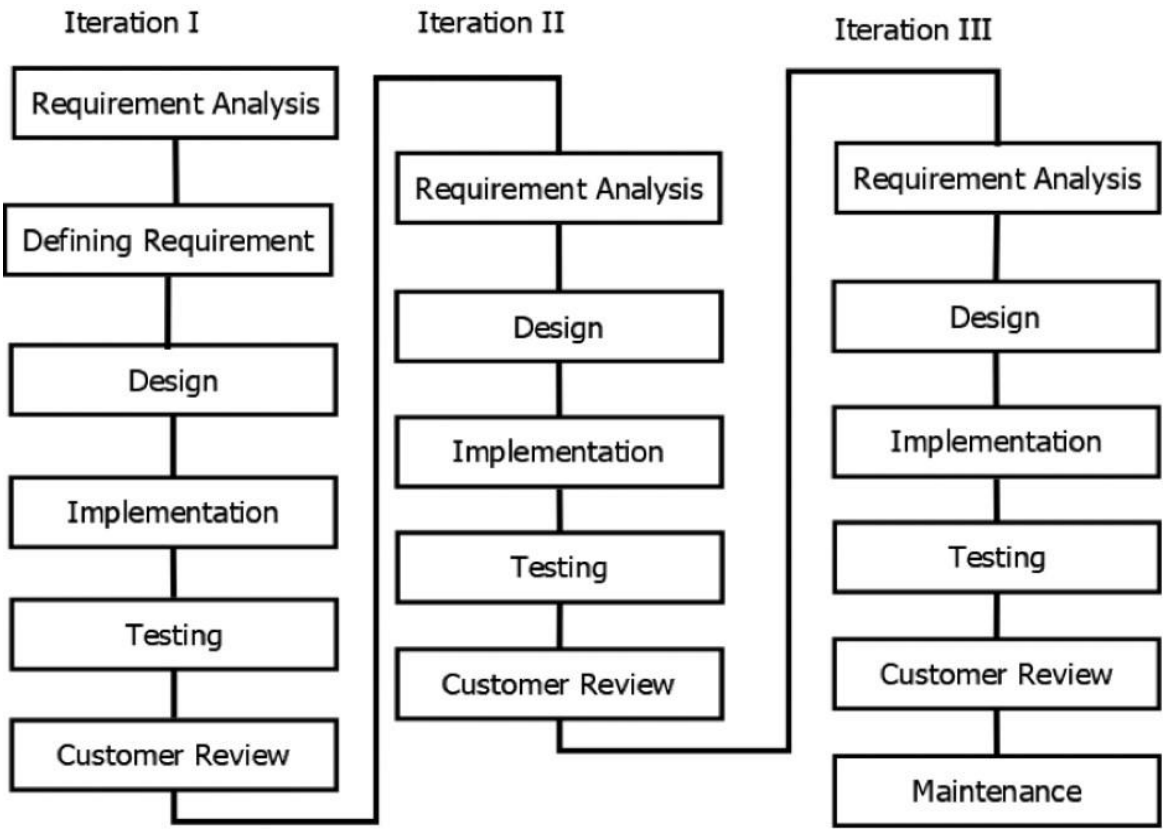

FIGURE 1: ITERATION MODEL

a) Requirement Analysis:

In order to develop a successful venue match app, it is important to conduct a thorough requirement analysis to identify the needs and expectations of our target audience. The following requirements have been identified:

User-friendly Interface: The app should have an intuitive and user-friendly interface that enables users to easily navigate and quickly find the information they need. This will enhance user satisfaction and engagement.

Advanced Search Options: The app should provide advanced search options that allow users to filter results based on various criteria such as location, venue type, price range, availability, and other relevant factors. This will help users find the perfect venue that meets their specific requirements.

User Profiles and Preferences: The app should allow users to create profiles and set preferences based on their interests, budget, location, and other factors. This will enable the app to provide personalized recommendations that are tailored to each user's needs.

Venue Listings and Reviews: The app should have a comprehensive database of venues that users can browse and review. This will help users make informed decisions based on the experiences of others.

Booking and Reservation System: The app should provide a seamless booking and reservation system that enables users to easily make reservations and bookings directly through the app. This will save users time and hassle in making bookings through other channels.

Feedback and Rating System: The app should have a feedback and rating system that allows users to provide feedback and rate venues based on their experiences. This will help improve the quality of services provided by venues and enhance the overall user experience

In conclusion, these requirements are critical to the success of the venue match app. They should be documented, actionable, measurable, testable, traceable, and defined to a level of detail sufficient for system design. Our team will work towards meeting

these requirements in order to develop a user-friendly, reliable, and efficient venue match app that meets the needs and expectations of our target audience.

b. Problem Analysis:

The problem analysis for a venue match application reveals several key areas of concern. These include limited venue options, inaccurate or outdated information, insufficient filtering and search options, a lack of user reviews and ratings, complex booking processes, limited integration with other services, and technical glitches and performance issues. Understanding and addressing these challenges will be crucial in developing a successful and user-friendly app that provides a seamless experience for users looking to find the perfect venue for their events or occasions. We also analyzed them and found that, while choosing venues many people prefer to use manual way of booking venues because they are not familiar with the advanced system of VENUE MATCH system.

c. System Analysis and Design:

ACTIVITY-DIAGRAM

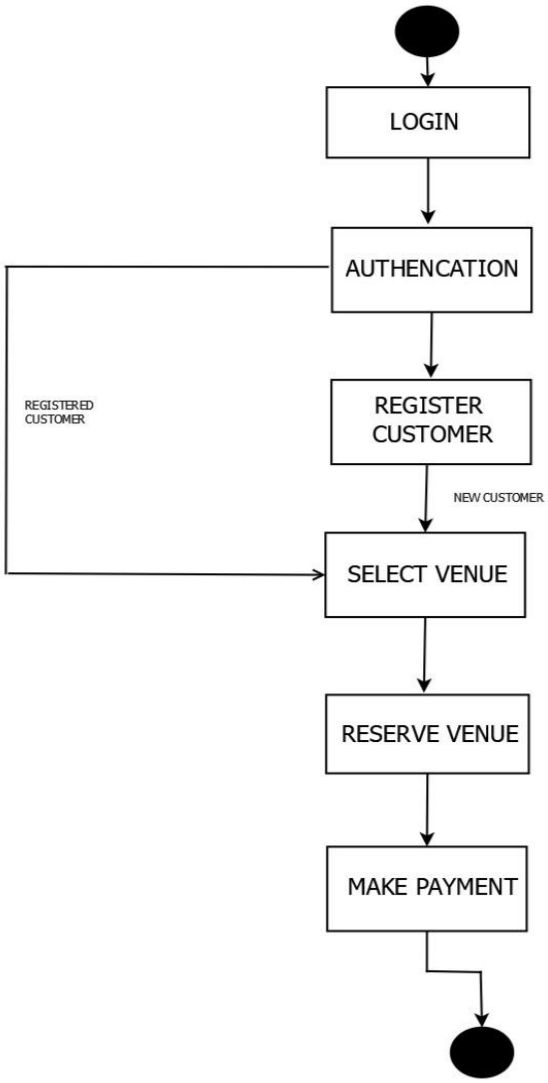

FIGURE 2: ACTIVITY-DIAGRAM

ER-Diagram

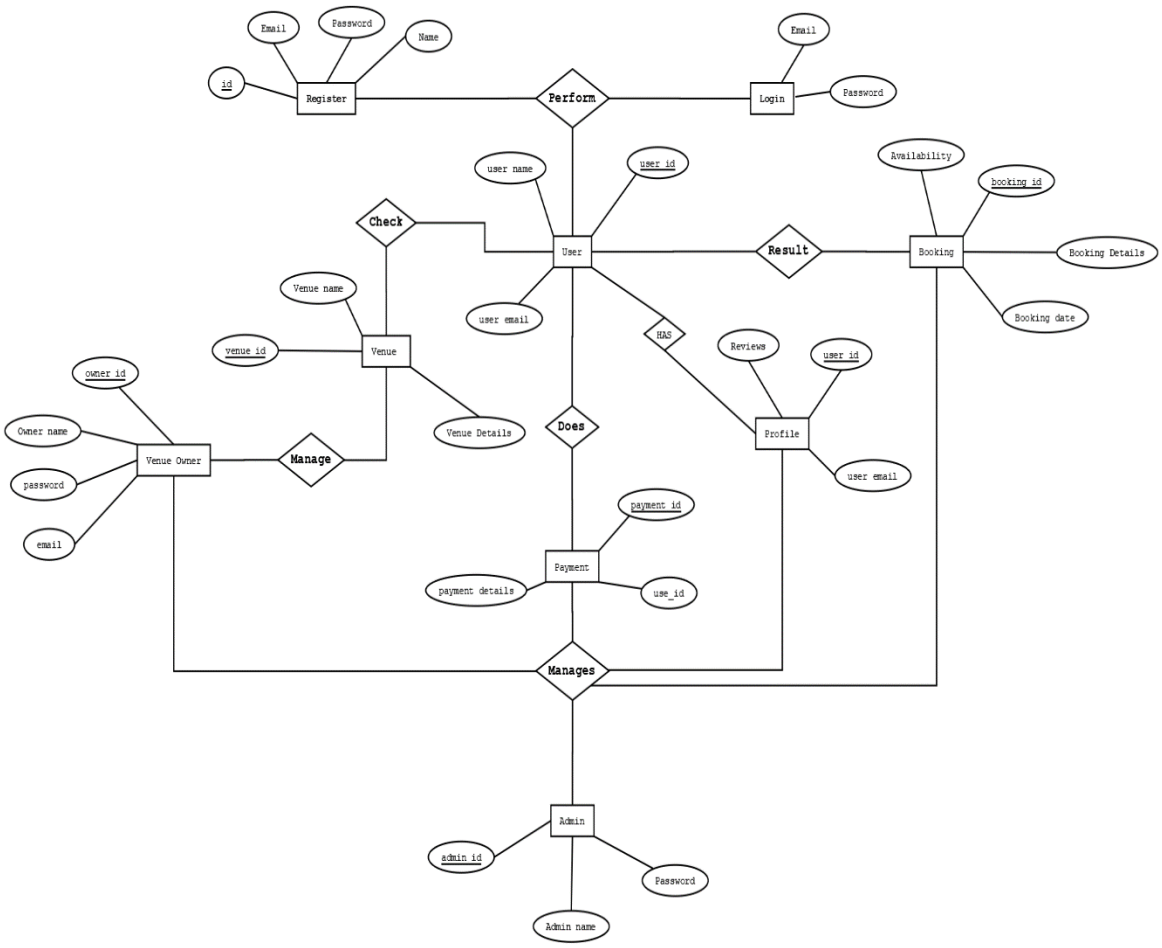

FIGURE 3:ER-DIAGRAM

Class-Diagram

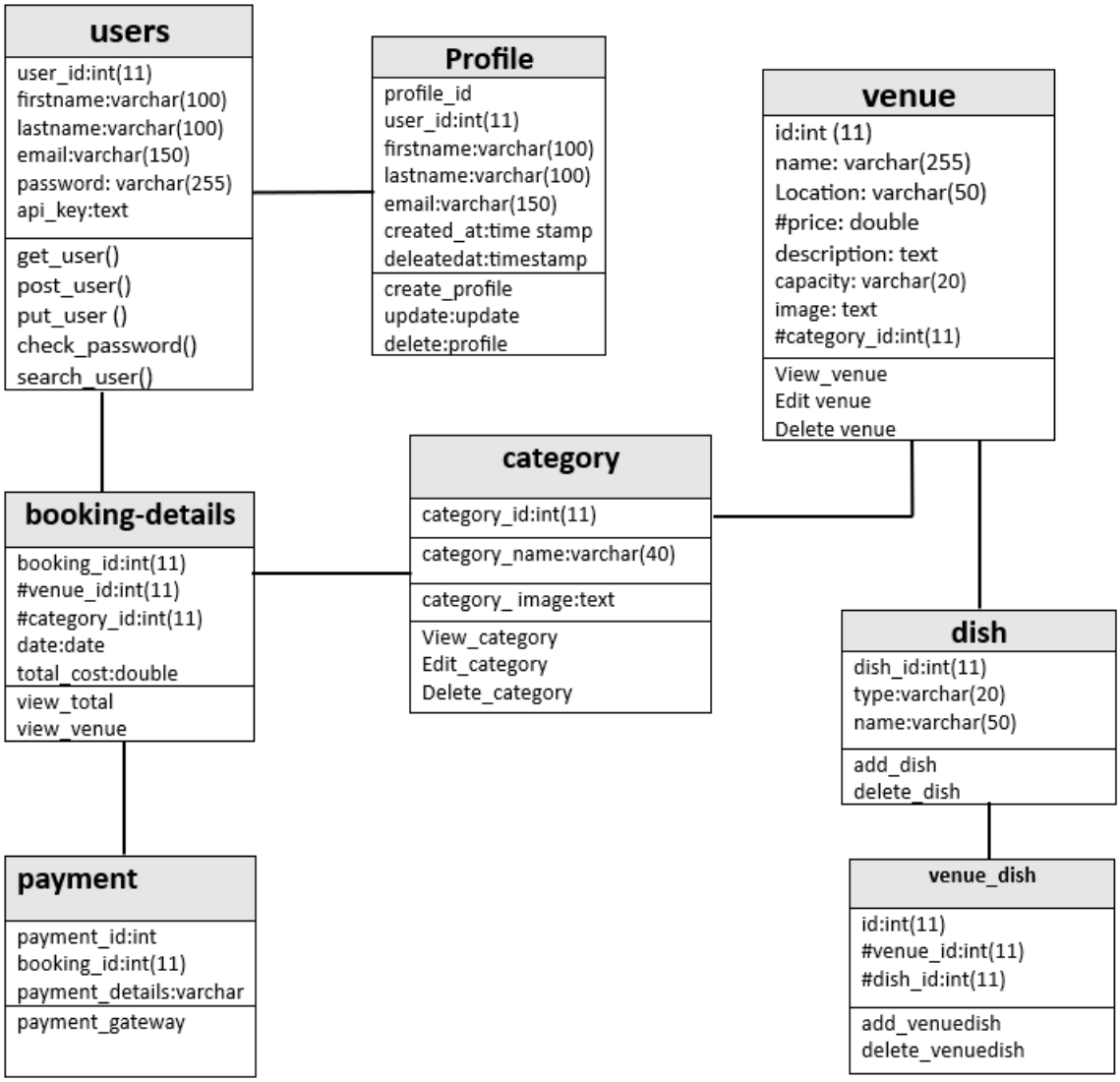

FIGURE 4:ER-DIAGRAM

DFD (Data Flow Diagram)

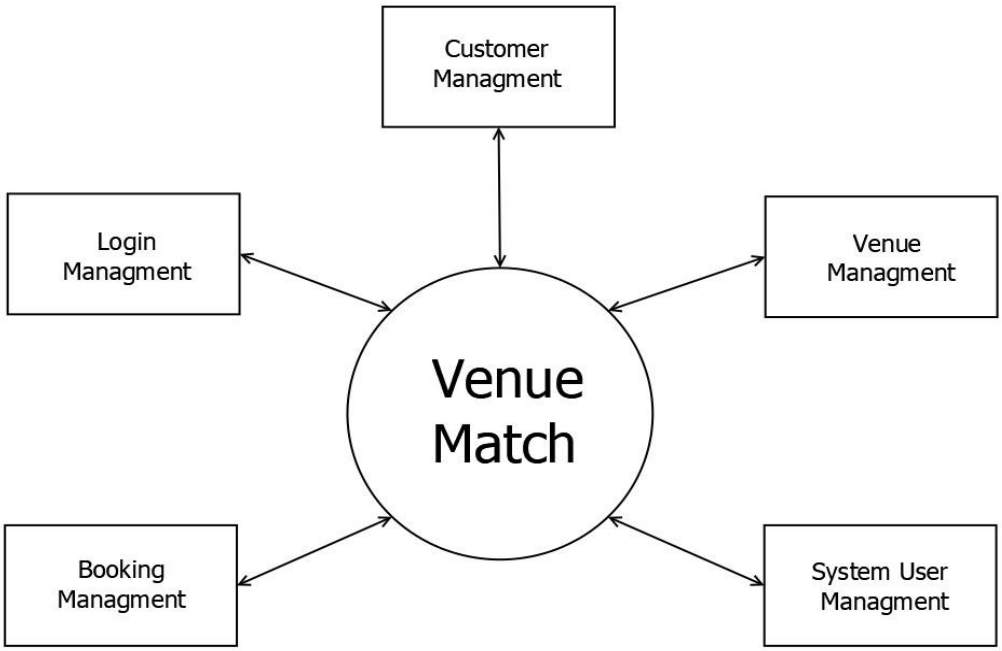

FIGURE 5:DFD LEVEL-0

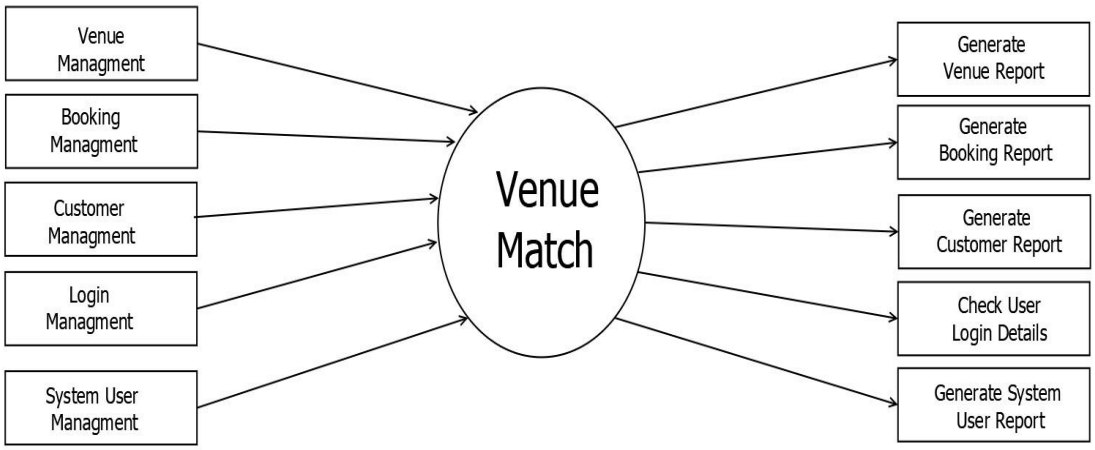

FIGURE 6:DFD LEVEL 1

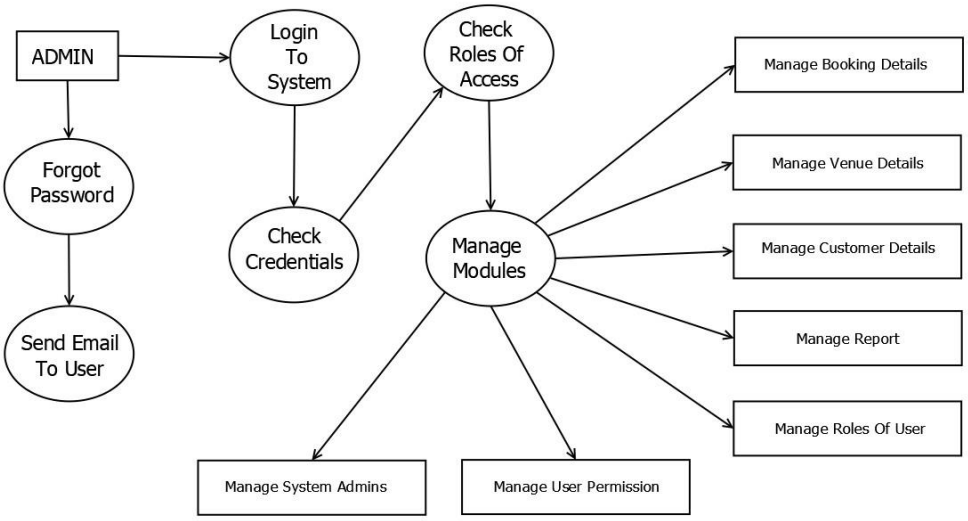

FIGURE 7:DFD LEVEL 2

d. Coding:

After program design phase coding is done according to the project design. For this project, we are using FLUTTER and for storing all the data we will be using MY SQL Database. In this defense, we have completed half coding.

We have included DFD, and ER diagram.

5. Task

1.Completed task

- UI designs
  (login screen, signup screen, explore/search screen, booking screen)
- Categories (birthdays, weddings, formal, concerts, rice feeding)
- Fetched Venue Data
- Backend
  (login screen, signup screen, explore/search screen, booking screen)

2.Incomplete Task

- Payment Integration
- Admin Dashboard
- Profile integration
- Other miscellaneous work

6. Deliverables

User interface design: The app should be easy to use and navigate. Database of venues: The app should have a comprehensive list of venues.

Search and filtering options: The app should allow users to search for venues based on different criteria.

Booking and payment system: The app should allow users to book and pay for venues directly.

Reviews and ratings: The app should allow users to rate and review venues to help other users make informed decisions.

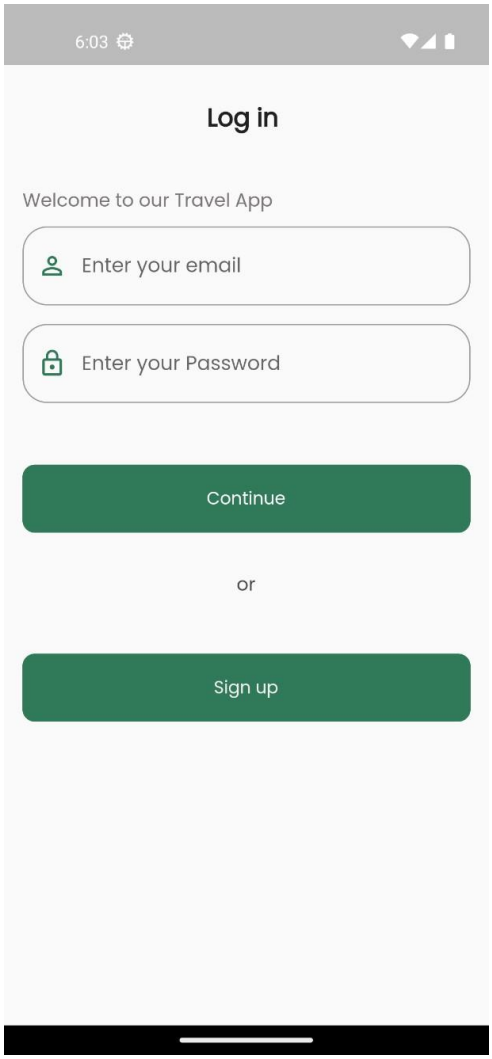

FIG: LOGIN PAGE

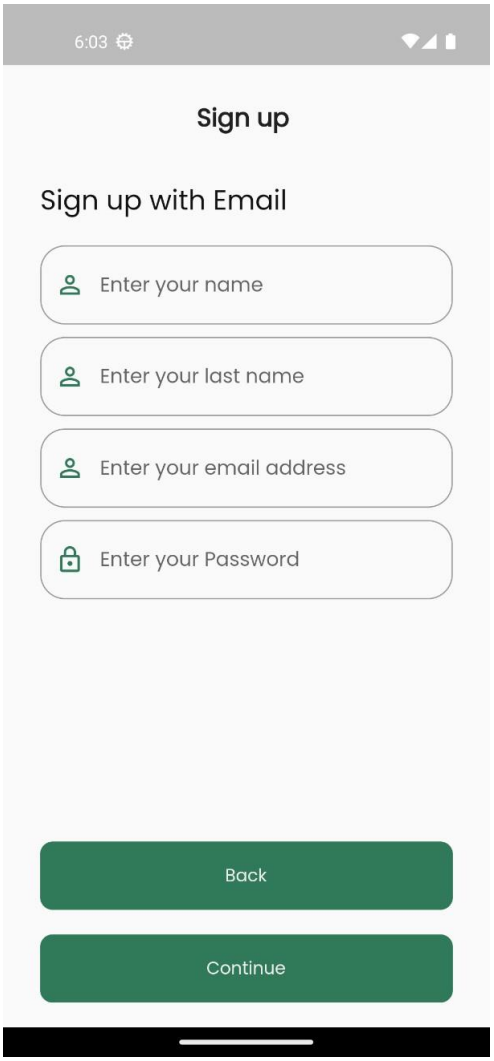

FIG: LOGIN PAGE

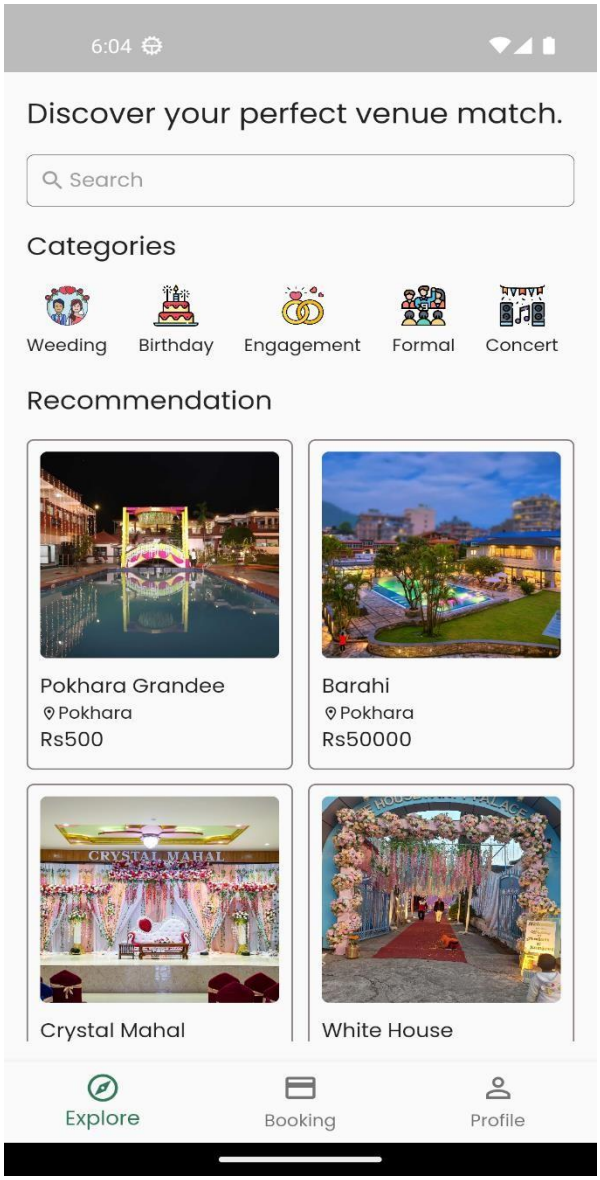

FIG: EXPLORE SCREEN

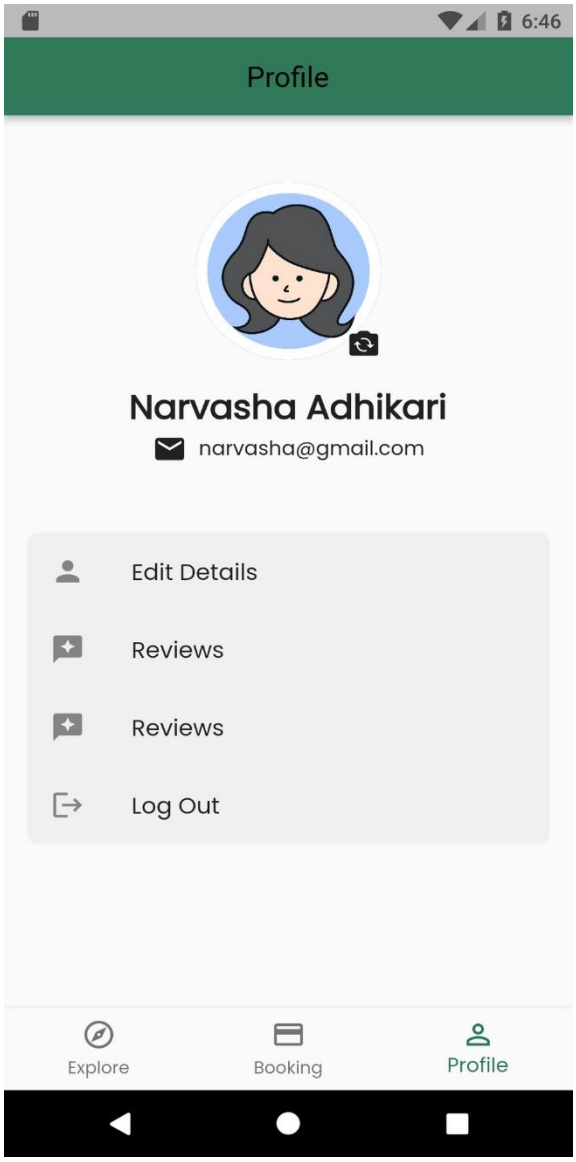

FIG: PROFILE SCREEN

7.Time schedule

TASKS	APRIL		MAY		JUNE		JULY	
1.PROJECT MANAGEMENT •MANAGING/MONITORING •NEXT ITERATION PLANNING								
2.REQUIREMENTS •MANAGE CHANGING REQUIREMENTS								
3.DEVELOPNMENT SUPPORT •REFINE THE ARCHITECTURE •INTEGRATION AND TEST SUPPORT								
4.DEVLOPNMENT COMPONENTS •FEATURES								
TESTING								
INTEGRATION								
DOCUMENTATION								

FIGURE 7 GANTT CHART

8.Conclusion

The Venue Management System is a comprehensive and efficient solution designed to streamline and automate various aspects of managing venues. Throughout the development and implementation of the system, several key observations and conclusions can be made:

1. Enhanced Venue Operations: The Venue Management System provides an effective platform for managing various operations within a venue. It enables easy scheduling and booking of events, efficient resource allocation, and seamless communication between event organizers, staff, and clients. By automating these processes, the system significantly improves overall operational efficiency.
2. Improved Customer Experience: The system offers a user-friendly interface for clients and event organizers, allowing them to conveniently browse available venues, check availability, and make reservations. This enhances the customer experience by providing a seamless and hassle-free booking process.
3. Optimized Resource Allocation: The Venue Management System facilitates better utilization of venue resources. It helps manage event calendars, track bookings, and allocate staff and equipment efficiently. By providing real-time visibility into resource availability, the system minimizes conflicts and ensures optimal resource allocation, leading to improved productivity and reduced costs.
4. Streamlined Communication: Effective communication is crucial in managing venues, and the system offers various communication channels, such as messaging and notifications, to facilitate seamless interaction between stakeholders. This improves coordination, minimizes misunderstandings, and enhances overall communication efficiency.
5. Comprehensive Reporting and Analytics: The system generates detailed reports and analytics, offering valuable insights into venue utilization, revenue generation, customer preferences, and other key performance indicators. This data-driven approach enables venue owners and managers to make informed decisions, identify areas for improvement, and optimize their business strategies.

6. Scalability and Customizability: The Venue Management System is designed to be scalable and customizable according to specific venue requirements. It can adapt to different types and sizes of venues, allowing for easy expansion and customization to meet evolving business needs.

In conclusion, the Venue Management System provides a robust and efficient solution for venue owners and managers to streamline operations, enhance customer experience, optimize resource allocation, improve communication, and gain valuable insights. Its implementation can significantly enhance the overall management of venues, leading to increased efficiency, customer satisfaction, and business success.

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