

**LA GRANDEE INTERNATIONAL COLLEGE**

**Simalchaur, Pokhara Nepal**

Final Project Report

On

**“JobNexus”**

(Online Job Portal)

**Submitted to:**

Bachelor of Computer Application (BCA) Program

In partial fulfilment of the requirements for the degree of BCA under

Pokhara University

**Submitted by:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name:** | **Course** | **Semester** | **P.U. Registration Number** |
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**Date:29/05/2024**

**ACKNOWLEDGEMENT**

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. We express our sincere regard to our project supervisor Sunil Sapkota, for his valuable time, guidance, encouragement, support, and cooperation throughout the duration of our project. We would sincerely like to thank BCA Department for giving us the opportunity to work on enhancing our technical skills while undergoing this project. This project helped us understand the various parameters 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,

Akriti Chapgain (Registration No: 2019-1-53-0104)

Binaya koirala (Registration No: 2019-1-53-0111)

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**DECLARATION FOR**

**“JobNexus”**

**STUDENT’S DECLARATION**

We hereby declare that we are the only authors of this work and that no sources other than the mentioned here have been used in this. We assure you that the work we present here is unique to ourselves and resemblances to another similar project are purely coincidental.

Akriti Chapagai (PU Exam Roll no): 20530162

Binaya Koirala (PU Exam Roll no): 20530169

Program: BCA, 8th Semester

Date: 5/29/2024

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**Supervisor’s Declaration**

I hereby recommend that this project entitled "JobNexus " is done under my supervision by Akriti Chapagain, Binaya Koirala during 8th semester in partial fulfillment of the requirement for the degree of Bachelor of Computer Application (BCA) under Pokhara University is completed to my satisfaction and be processed for final evaluation.

Sunil Sapkota



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**Letter of Approval**

We certify that we have examined this report JobNexus ", and are satisfied with the proposal defense. In our opinion it is satisfactory in the scope and qualify as project in partial fulfillment of the requirements for the degree of BCA under Pokhara University.

**Project Supervisor**

**External Invigilator**

**Principal**

**Er. Sunil Sapkota**

**Er. Kiran K.C**

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**Abstract**

This report is submitted to the Department of Computer Application at LA Grandee International College as part of the BCA 8th Semester Project. The project, titled "JobNexus”, it serves as an introductory overview of the Job Portal App project, showcasing its potential to revolutionize the event planning and venue selection process. “Job Nexus” is being developing for creating an interactive job vacancy form for candidates the app effectively gathers client and candidate information, categorizing them based on job requirements and vacancies. Its unique development methodology helps in acquiring the client and candidate information and separating them according to the job requirements and vacancies. This application would provide details of the job. An employer being registered in the application has the facility to use the services. Being an authorized user he can .Publish vacancy details and can search no of Employees on portal and also he can search candidates on basis of the key skill which employee provides on registration.

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**List of abbreviation**

DFD- Data Flow Diagram

MySQL- My Structured Query Language

ER- Entity Relationship

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# INTRODUCTION

Job Nexus, a mobile application, is set to revolutionize the job search process in Nepal. Job Nexus establishes partnerships with local organizations to facilitate the provision of vacancies for semi-skilled manpower, as well as opportunities for individuals seeking entry-level positions. This strategic collaboration ensures that Job Nexus offers opportunities to a diverse range of job seekers, including those with varying levels of skills and experience. Leveraging these partnerships, Job Nexus broadens job access and provides opportunities for individuals in rural regions and local communities

The job market in Nepal, much like in many developing countries, is characterized by a significant gap between job seekers and job providers. Many job seekers, particularly those from rural areas and those with minimal skills, face difficulties in accessing job opportunities. On the other hand, employers often struggle to find suitable candidates for their vacancies. The rise of technology and mobile applications presents an opportunity to bridge this gap effectively.

By offering a platform that connects job seekers with a wide array of job opportunities, including roles that require minimal skills, Job Nexus plays a crucial role in promoting inclusivity and economic empowerment. Job Nexus simplifies the job search process for both candidates and employers. Job seekers have the ability to easily upload their resumes and explore job openings matched to their profiles, while employers benefit from simplified job posting and application management. Furthermore, Job Nexus is committed to strengthening skill development and professional growth. By creating a unified platform for training programs and volunteer opportunities, Job Nexus empowers individuals to enhance their skills and access new career opportunities.

This application was developed using technologies such as React Native for frontend development and Laravel for backend, along with various tools and utilities to ensure easy and flawless navigation. This enabled Job Nexus to serve as a beacon for candidates searching for job opportunities and an asset for those who benefited from this application.

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**2. Problem Statement**

Following were the problems we found in job portal applications:.

* Job seekers encounter difficulties finding appropriate roles because of insufficient skill-based matching on existing platforms.
* Semiskilled workers, like plumbers and construction workers, confront a scarcity of job listings as portals primarily prioritize skilled positions.
* In the absence of dedicated platforms, there's a notable gap for registering volunteers during events, leaving organizers without efficient means to manage manpower.
* There aren't many apps that bring together different training and workshop programs, making it hard for people to find skill-building opportunities.
* Current job portals in Nepal lack collaborations with local businesses, hindering job access, particularly in rural regions

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# OBJECTIVES

* To establish collaborations with local businesses to broaden job access and ensure rural inclusion and semi-skilled job potentials.
* To implement advance filter to better match job seekers with suitable roles based on their skills.
* To create a unified platform for users to easily find and enroll in diverse training programs, volunteers, fostering skill development.

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**4.Background Study**

Nepal’s job market is diverse, encompassing a range of sectors including agriculture, manufacturing, services, and more recently, technology and tourism. Despite this diversity, the market faces several challenges:

1. **High Unemployment Rate**: According to the Central Bureau of Statistics Nepal, the unemployment rate has been fluctuating, with youth unemployment particularly high. Many graduates are unable to find jobs that match their qualifications.
2. **Underemployment**: A significant portion of the workforce is underemployed, meaning they are working in jobs that do not fully utilize their skills or provide adequate income.
3. **Rural-Urban Divide:** There is a stark contrast between job opportunities in urban centers and rural areas. Many rural job seekers migrate to cities in search of better opportunities, leading to urban overcrowding and rural depopulation.
4. **Lack of Access to Information:** Job seekers often lack access to timely and relevant information about job openings, especially those in rural areas. Employers also face challenges in reaching a broad pool of candidates.

**Comparative Analysis of Existing Job Portals**

Several job portals are currently operating in Nepal, each with its own strengths and limitations.

1. **Merojob**

**Strengths:**

* One of the largest and most popular job portals in Nepal.
* Extensive database of job listings across various industries.
* User-friendly interface with advanced search options.

**Limitations:**

* Primarily focused on urban areas and skilled positions.
* Limited reach in rural areas and among semi-skilled workers.

1. **Kantipur Job**

**Strengths:**

* Wide range of job listings from various sectors.
* Strong brand recognition due to association with Kantipur Media Group.

**Limitations:**

* User interface can be cumbersome and outdated.
* Focuses more on white-collar jobs, with less emphasis on semi-skilled and entry-level positions.

1. **RamroJob**

**Strengths:**

* Extensive job listings and user-friendly interface.
* Good categorization of jobs by industry and job type.

**Limitations:**

* Limited outreach and engagement with rural job markets.
* Less emphasis on skill development and training opportunities.

1. **JobsNepal**

**Strengths:**

* Long-standing presence in the Nepali job market.
* Wide variety of job postings, including some from international companies.

**Limitations:**

* Interface and user experience are not as modern or intuitive.
* Primarily targets skilled and professional job seekers.

1. **Mero Rojgari**

**Strengths:**

* Focuses on job opportunities for semi-skilled and blue-collar workers.
* Accessible and straightforward for users with minimal technical skills.

**Limitations:**

* Smaller database of job listings compared to larger portals.
* Limited features for employers and job seekers..

**Need for Job Nexus**

Given the current landscape, there is a clear need for a platform like Job Nexus which:

1. **Focuses on Inclusivity:** By targeting semi-skilled and entry-level positions and ensuring accessibility for job seekers from rural areas.
2. **Facilitates Partnerships:** By collaborating with local organizations to source job openings and training opportunities.
3. **Utilizes Technology**: By employing modern technologies such as React Native and Laravel to create a seamless user experience for both job seekers and employers.
4. **Empowers Users:** By offering not just job listings but also training programs, volunteer opportunities, and career development resources to enhance skills and employability.

By conducting a comprehensive background study, we are prepared to develop a venue management app that meets the needs of your target audience and stands out in the market.

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**6. Requirement document**

**6.1. Tools and software requirements**

Integrated Development Environment (IDE):

Frontend Development: Built using React Native with Expo, providing a cross-platform mobile application for both iOS and Android users..

Backend Development: Developed with Laravel, offering a robust and scalable framework for handling API requests, user authentication, job listings, and application management

Database: MySQL managing user data, job listings, applications, and other critical information.

Version Control System: GitHub - A widely-used platform for version control and collaboration, facilitating code sharing, reviewing, and tracking changes.

Package Manager: npm (Node Package Manager) - The default package manager for JavaScript runtime environment Node.js, essential for managing dependencies and packages in React Native projects.

State management:

Deployment and Hosting Tools:

Expo: A powerful tool chain and platform for React Native development, providing features such as rapid prototyping, debugging, and over-the-air updates. It simplifies the development process and offers easy deployment to mobile devices.

Composer: Dependency manager for PHP, primarily used for managing dependencies in Laravel projects. It simplifies package installation and version management in PHP applications.

**6.2. Functional Requirements**

* User Registration and Authentication: - Enable users to register and create accounts. - Implement secure authentication methods like email/password, social media login, or OAuth. - Provide password reset and account recovery option
* User Profiles:

Job seekers and employers should have profiles where they can manage personal information, preferences, and settings.

* Job Listings and Applications:

Employers should be able to post job listings with details such as job title, description, requirements, location, and salary range and more

Job seekers should be able to browse, search, and filter job listings based on various criteria.

Job seekers should be able to submit job applications, including uploading resumes and cover letters.

* Notifications:

Push notifications should be implemented using Expo Notifications to notify users about new job listings, application status updates, and other relevant events.

* Deployment:

The application should be deployed and distributed using Expo, enabling easy deployment to both iOS and Android devices for testing and production purposes.

* Integration:

Integration with GitHub should be set up for version control, collaboration, and automated CI/CD workflows using GitHub Actions.

These tools and functionalities will provide a robust development environment and enable the implementation of essential features for the Job Nexus mobile application.s

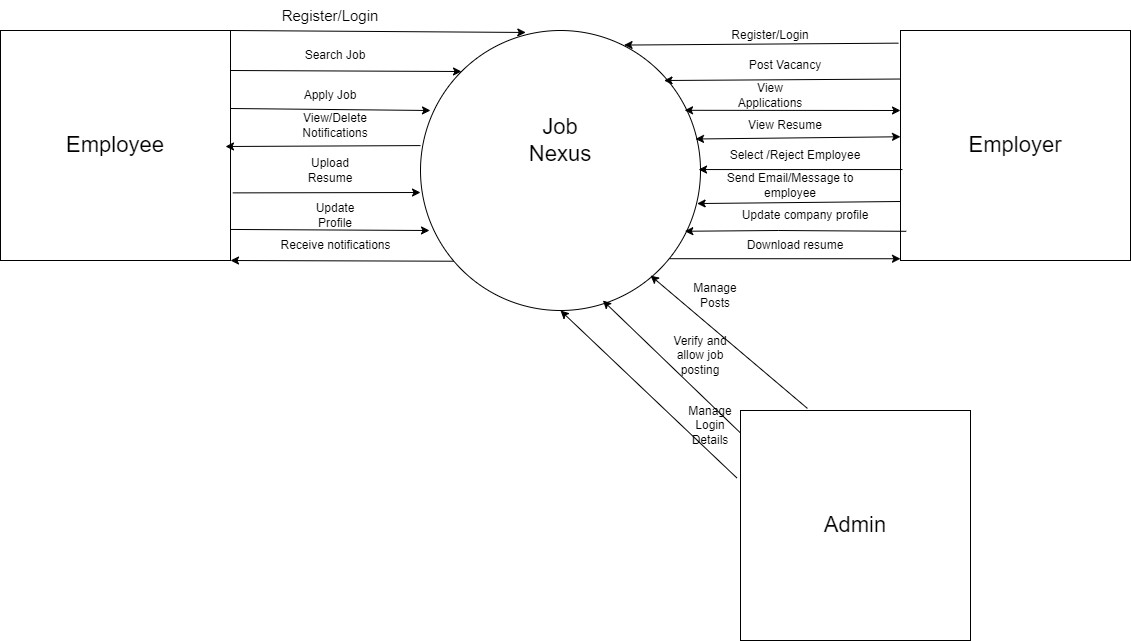
1. User Profile and Settings:- Enable users to view and update their profile information.
2. Backend Integration: - Connect the app with a backend system to handle data storage, product management, order processing, and other business logic.

**6.3 Requirement Matrix:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Requirement ID | Requirement Description | Type | Priority | Status |
| FR-01 | Users must be able to sign up using email, | Functional | High | Completed |
| FR-02 | Users must be able to log in using email. | Functional | High | Completed |
| FR-03 | Users must be able to reset their passwords via email. | Functional | High | Completed |
| FR-04 | Job seekers should be able to create and update their profiles. | Functional | High | Completed |
| FR-05 | Employers should be able to create and update company profiles. | Functional | High | Completed |
| FR-06 | Employers should be able to post job listings. | Functional | High | Completed |
| FR-07 | Job seekers should be able to browse and search job listings. | Functional | High | Completed |
| FR-08 | Job seekers should be able to filter job listings by criteria (location, industry, job type). | Functional | High | Completed |
| FR-09 | Job seekers should be able to apply for jobs through the app. | Functional | High | Completed |
| FR-10 | Employers should be able to manage job applications. | Functional | High | Completed |
| FR-11 | Users should receive push notifications for relevant events (application status, etc.). | Functional | Medium | Completed |
| FR-12 | The app should provide access to online training programs. | Functional | Medium | Completed |
| FR-13 | The app should offer information about volunteer opportunities. | Functional | Medium | Completed |
| NFR-14 | The app should have an intuitive admin panel for managing user accounts and content. | Non Functional | Medium | Completed |
| FR-15 | Notifications must work properly. | Technical/Functional | High | Completed |
| NFR-01 | The app must load quickly and handle a large number of users simultaneously. | Non-Functional | High | Completed |
| NFR-02 | The user interface must be intuitive and easy to navigate. | Non-Functional | High | Completed |
| NFR-03 | The app architecture must support future growth. | Non-Functional | High | Completed |
| NFR-04 | Data protection through encryption and secure communication channels is required. | Non-Functional | High | Completed |
| NFR-05 | The app must be compatible with both Android and iOS devices. | Non-Functional | High | Completed |
| NFR-06 | Ensure high availability and minimal downtime through robust infrastructure. | Non-Functional | High | Completed |

**7. System Analysis and Design:**

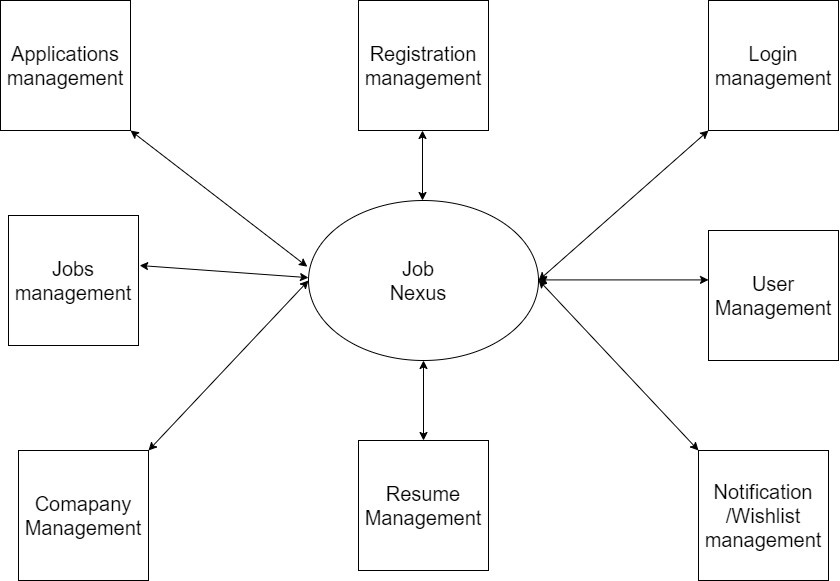
**7.1 Dfd Level 0**



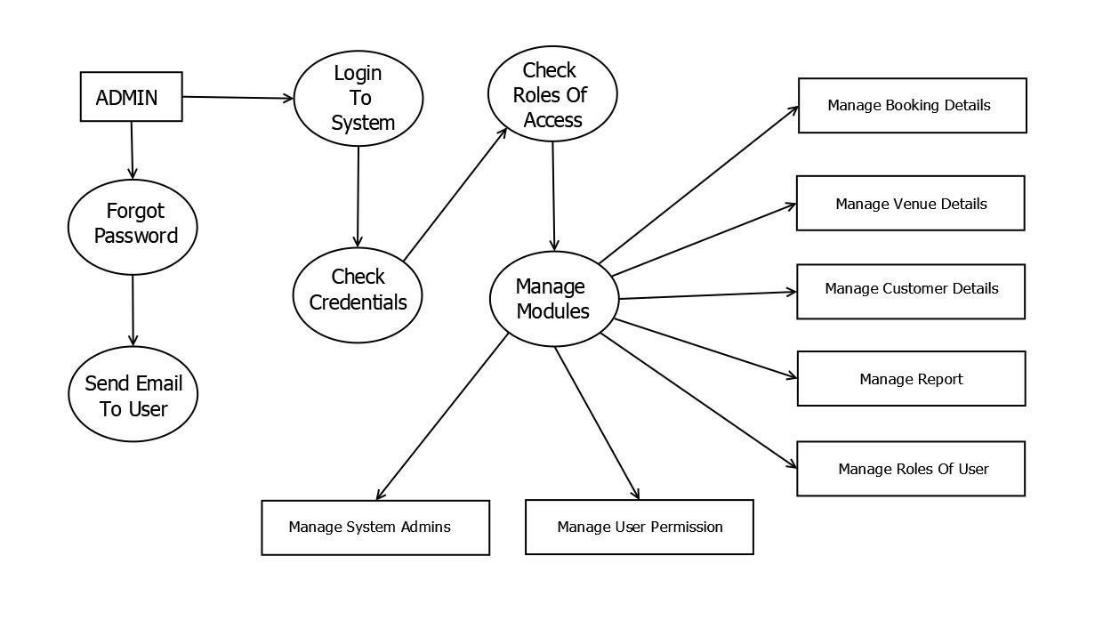
**Fig: Dfd Level 0**

7

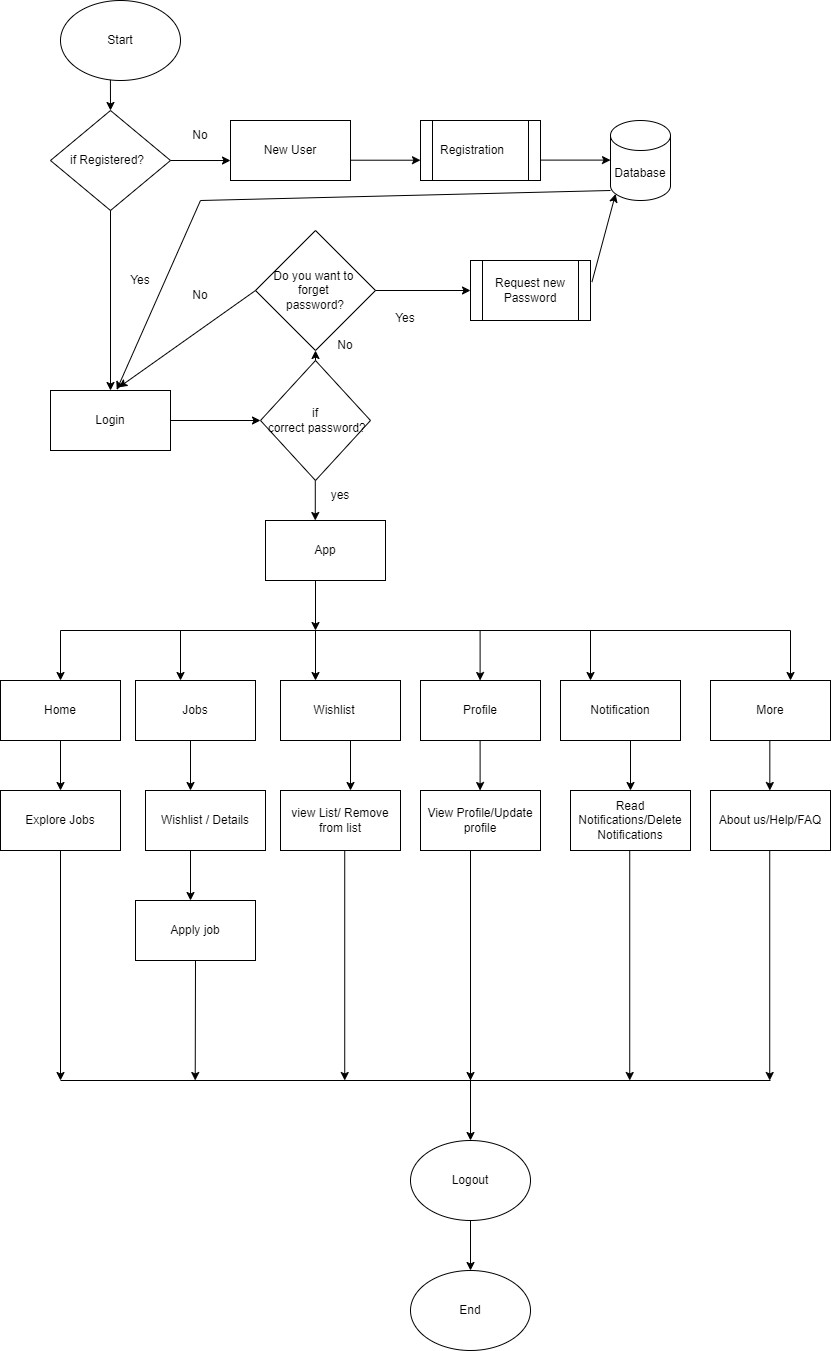
**7.2 Dfd Level 2**



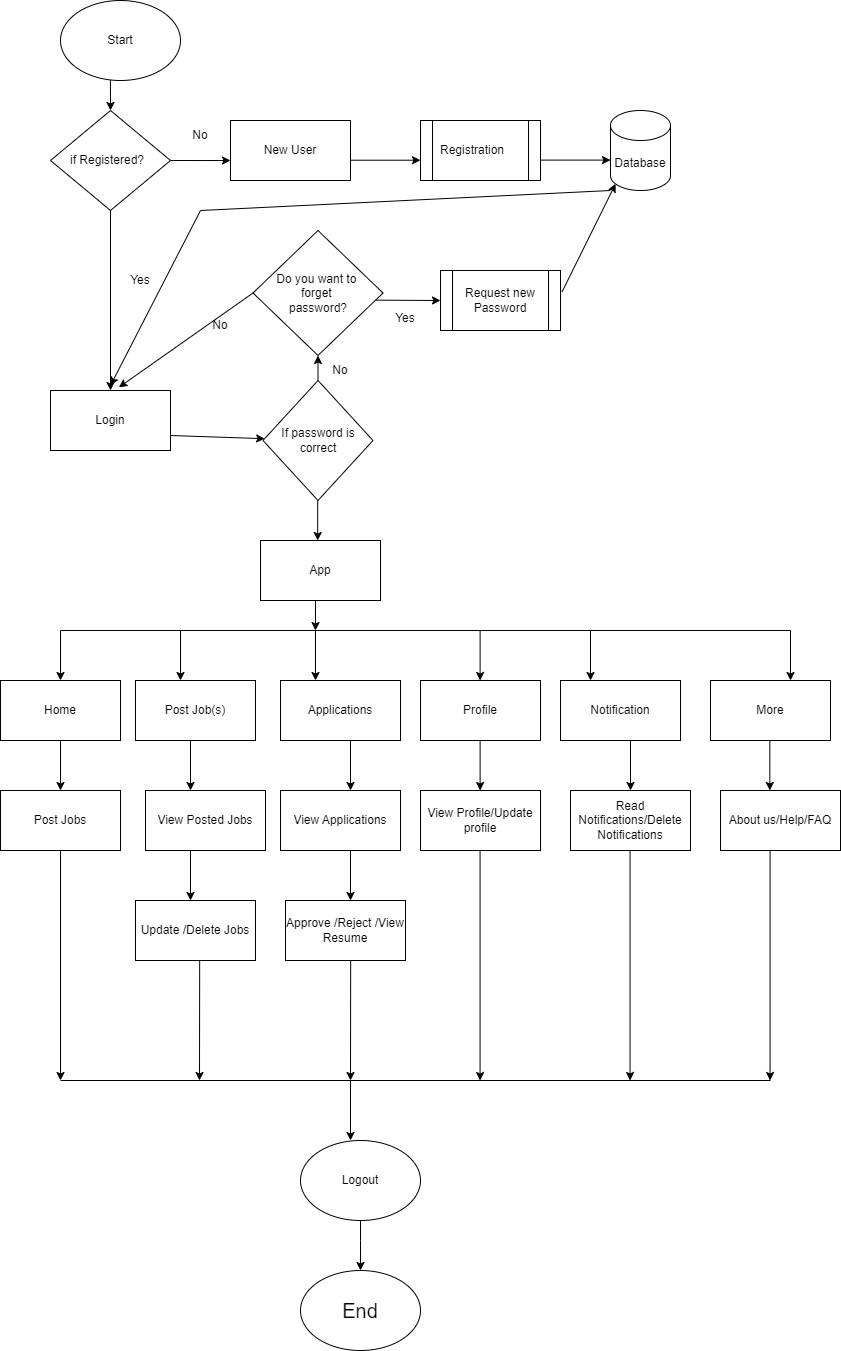
**7.2 Dfd Level 1**



**7.2 Flowchart for Employee**



**7.2 Flowchart for Employee**



**8. Development**

The development phase of the Job Nexus mobile application will involve the implementation of both frontend and backend components, integration with necessary APIs, and thorough testing to ensure the application meets all specified requirements. Below is a detailed breakdown of the development process, including key activities and milestones

7.1 Development Process

Agile Methodology:

The project will be developed using an Agile methodology, specifically the Scrum framework. This approach allows for iterative development, frequent reassessments, and adaptability to changing requirements.

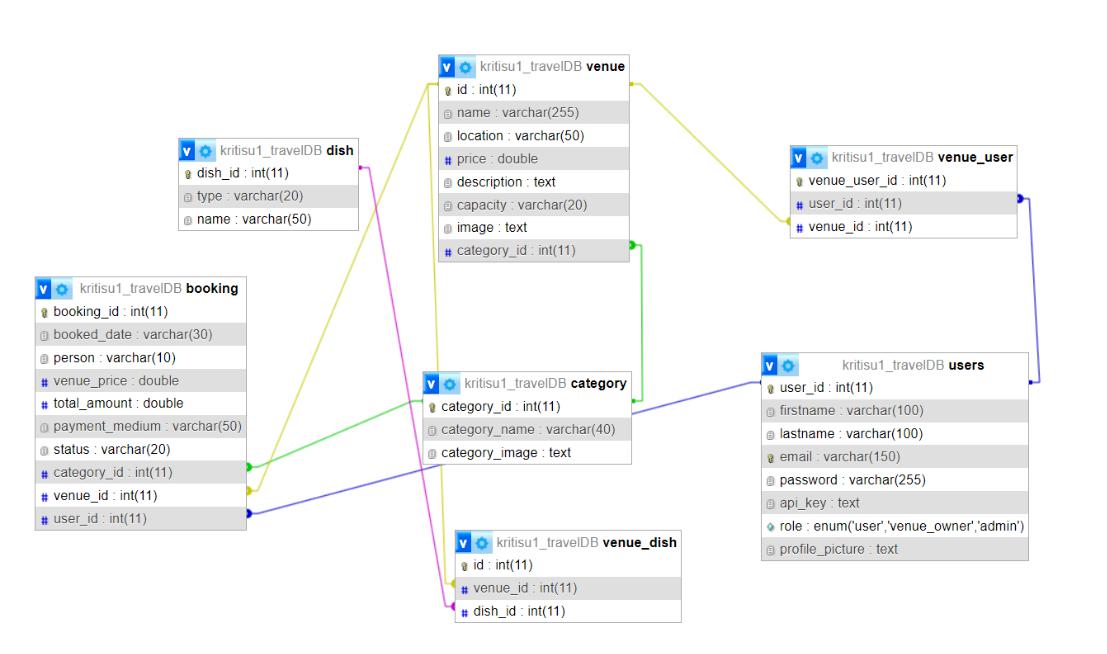
What sets the Iterative Model apart is that it doesn't attempt to define all project requirements upfront. Instead, it allows for flexibility, enabling developers and stakeholders to adapt and refine requirements as the project progresses. Each iteration results in a partially completed version of the software, and feedback from users and stakeholders is gathered and incorporated into the subsequent iterations.

This iterative process continues until the software reaches a state where it meets the desired level of functionality, quality, and user satisfaction. The advantage of the Iterative Model lies in its ability to accommodate changing requirements, respond to user feedback, and reduce the risk of late-stage project failures by addressing issues early in the development process.

As we know the process of planning, organizing, coordinating, and controlling resources to achieve specific goals is also referred to as development. Software engineers have created more sophisticated tools known as IDE (Integrated Development Environment) to accommodate the evolution of software development. We have used Visual studio IDE which has features that integrate flawlessly with flutter frameworks. Likewise, for effective and worthwhile documentation, many inhouse office products like Ms-excel, MS-word, and PowerPoint were used. For the charts and diagrams, DIA tool is used. PHP is a backend tools used in the system. We have used Discord, Git and Microsoft Teams for our collaborative platform to discuss with the problems and task division among the members with our project supervision among the team members in teamwork manner. Our system must store information about the

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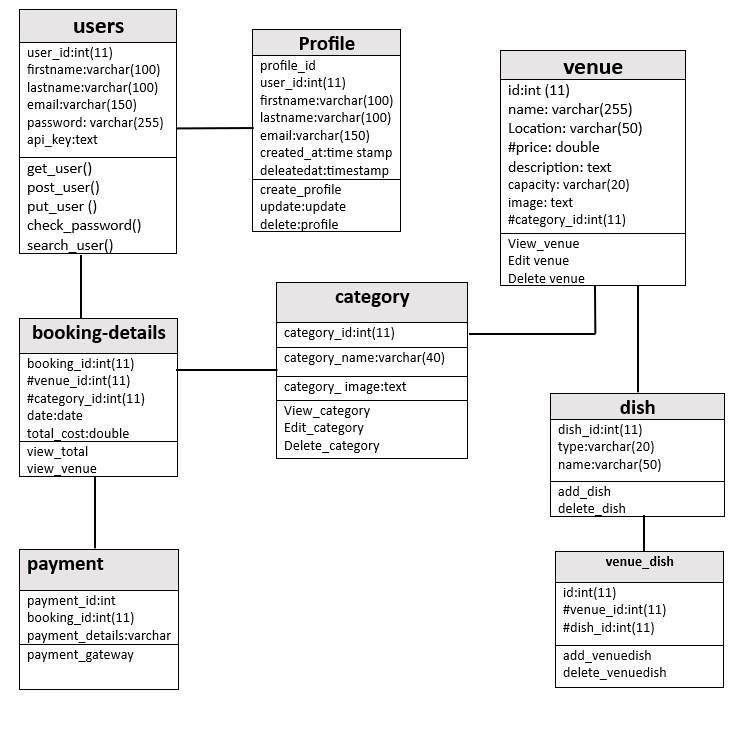
booking, venue details, Reservations, and so on. As a result, we've identified the major tables that will be implemented on the chosen RDBMS. So here is the database schema for our project "Venue Match".



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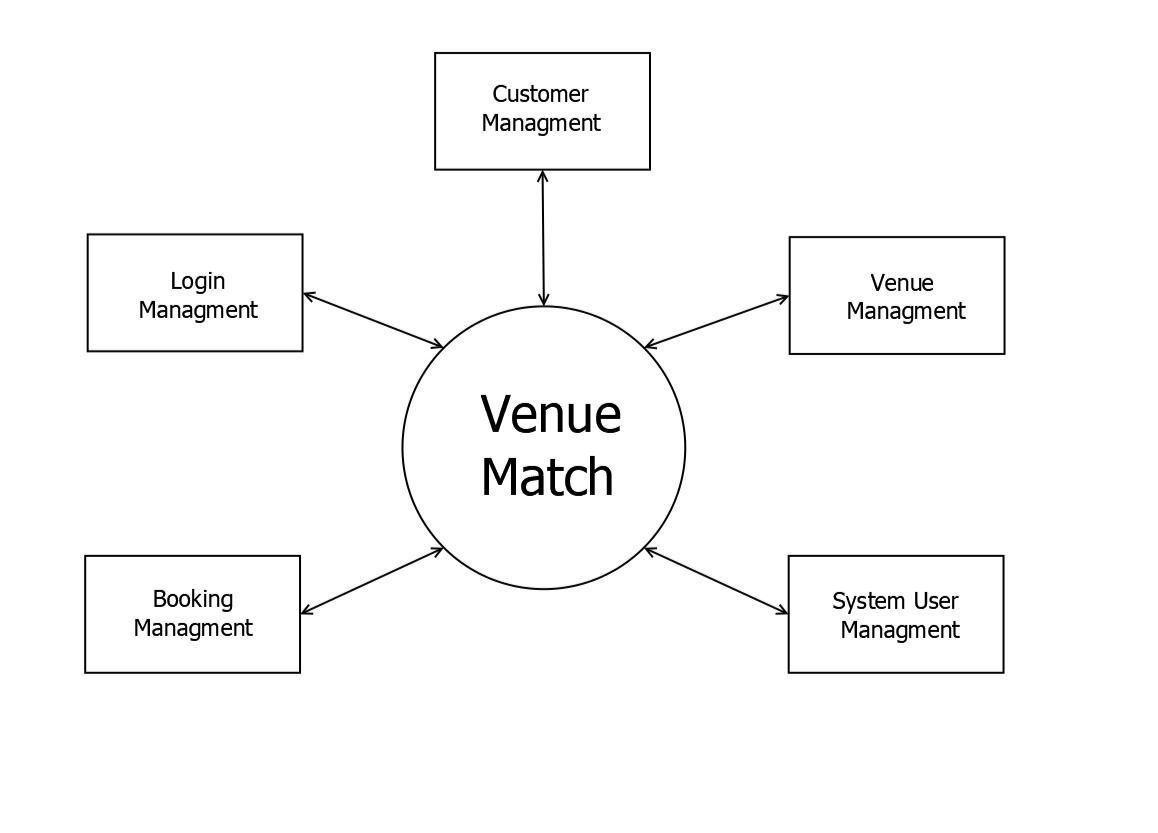
**7.2 Class-Diagram**



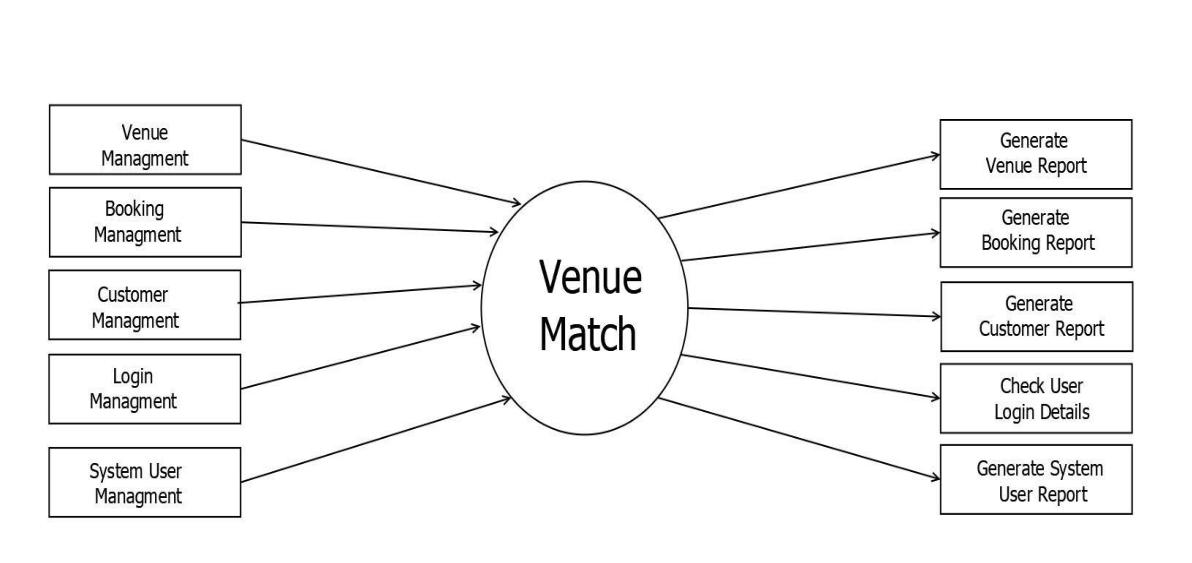
*FIGURE 3 CLASS-DIAGRAM*

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**7.3 DFD (Data Flow Diagram)**



*FIGURE 4: DFD LEVEL-0*



*FIGURE 5: DFD LEVEL 1*

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*FIGURE 6: DFD LEVEL 2*

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*FIGURE 7: DATABASE SCHEME*

The illustrated database visually represents the organization and relationships among the tables within the Venue Match database. This database schema serves as the structured, language-supported description of the database's architecture within a Database Management System (DBMS). The figure above provides a comprehensive list of tables and their associated entities involved in the development of Venue Match.

Specifically, the depicted database schema outlines the organization and interconnections of tables within a database named "kritisu1\_travelDB." Notable tables within the Venue Match database include "kritisu1\_travelDB\_user," "kritisu1\_travelDB\_booking," "kritisu1\_travelDB\_venue\_user," among others. These tables are integral components of the system.

To establish relationships and maintain data integrity, numerous foreign keys are employed throughout the database. A foreign key is a pivotal database constraint that establishes a connection between two tables within a relational database. This constraint

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actively enforces referential integrity by guaranteeing that the values within a column of one table correspond to the values within a column of another table.

In essence, foreign keys play a vital role in ensuring the coherence and reliability of data across different tables, thus facilitating robust relationships and enabling efficient data retrieval within the Venue Match database.

|  |  |  |  |
| --- | --- | --- | --- |
| S. N | Name of student |  | Work Assigned |
|  |  |  |  |
| 1. | Narvasha Adhikari | o | Documentation |
|  |  | o | Proposal Planning |
|  |  | o | Problem Identification |
|  |  | o | Design (system design) |
|  |  | o Coding (mostly website and some | |
|  |  |  | parts of mobile app) |
|  |  | o | Testing |
|  |  |  |  |
| 2. | Samjhana Poudel | o | Documentation |
|  |  | o | Requirement Analysis |
|  |  | o Design (support in system design) | |
|  |  | o Coding (mostly mobile app and some | |
|  |  |  | parts of website) |
|  |  | o | Backend |
|  |  | o | Testing |
|  |  |  |  |

*Table 2: Task Division*

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**9. TESTING**

A test case comprises a set of conditions or variables employed by a tester to ascertain if a system being evaluated fulfills prescribed requirements or functions correctly. The process of creating test cases can also aid in revealing potential shortcomings within an application's requirements or design. The Software Testing Life Cycle (STLC) serves as a testing methodology that contributes to the attainment of software quality standards with greater efficiency.

Throughout the entirety of the design and development stages, we have executed unit tests on each individual component, confirming their proper functionality before their integration into the larger system.

Given that we adopted the iterative model for our project's development. The iterative model testing process is an integral component of the iterative development methodology, where software is built and refined incrementally through a series of repetitive cycles. These cycles involve designing, developing, and testing small portions of the software in each iteration. The testing process within the iterative model is dynamic and evolves over the course of multiple iterations.

**9.1. Test cases**

**Test Case -No.1**

**Test Case Id:** TC001, TC002, TC003, TC004, TC005, TC006

**Test priority (low/medium/high):** med

**Module name**: Login module of Venue Match

**Test title:** verification of user login

**Description**: test the login page for valid entry

**Test executed by**: Narvasha Adhikari

**Test reviewed by**: Kreeti Subedi

**Pre-conditions**: user has valid username and password

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**Test Steps**: Navigate to the login panel in the project's executable file. Enter random characters, zero or null values, capitalized strings, functions inside of functions, and then check to see if the page redirects to the appropriate section.

10.1 Functional Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sn | Test Case ID | Test Steps | Expected Results | Test Data | Actual Results | Status |
| 1 | TC-001 | 1. Navigate to registration page<br>2. Enter valid details<br>3. Submit | Registration successful and user receives a confirmation email | Name: John Doe, Email: john@example.com, Password: P@ssw0rd | Registration successful, confirmation email received | Pass |
| 2 | TC-002 | 1. Navigate to login page<br>2. Enter valid credentials<br>3. Submit | User successfully logged in and redirected to dashboard | Email: john@example.com, Password: P@ssw0rd | User logged in and redirected to dashboard | Pass |
| 3 | TC-003 | 1. Login<br>2. Navigate to profile page<br>3. Update profile information | Profile information updated successfully | Address: 123 Main St, Phone: 555-1234 | Profile information updated and changes reflected in profile | Pass |
| 4 | TC-004 | 1. Search for a job<br>2. Apply filters<br>3. View results | Job listings displayed based on filters | Keyword: Developer, Location: Kathmandu | Filtered job listings displayed correctly | Pass |
| 5 | TC-005 | 1. Select a job<br>2. Click on apply<br>3. Submit application | Application submitted successfully | Resume uploaded: resume.pdf | Application submitted and confirmation message shown | Pass |
| 6 | TC-006 | 1. Navigate to notifications<br>2. Check for updates | Notifications displayed correctly | User with job updates | Correct notifications displayed | Pass |
| 7 | TC-007 | 1. Login as admin<br>2. Access admin dashboard<br>3. Manage job postings | Admin can manage job postings effectively | Admin credentials | Admin dashboard functions correctly, job postings managed | Pass |
| 8 | TC-008 | 1. Navigate to skill development section<br>2. Access training resources | Training resources accessible | Logged-in user | Training resources displayed and accessible | Pass |
| 9 | TC-009 | 1. Perform actions requiring secure access<br>2. Monitor response | Data protected and access secured | Various user actions | Secure access ensured, data protected | Pass |
| 10 | TC-010 | 1. Generate analytics report<br>2. Review report | Report generated correctly | Admin generating report | Accurate and detailed analytics report generated | Pass |

10.2 Non-Functional Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sn | Test Case ID | Test Steps | Expected Results | Test Data | Actual Results | Status |
| 1 | TC-011 | 1. Simulate 1000 concurrent users<br>2. Monitor response times | Response times under 2 seconds for 95% of requests | Load test data | Response times within acceptable limits | Pass |
| 2 | TC-012 | 1. Simulate peak usage conditions<br>2. Assess scalability | Application scales to handle increased load | Load test data | Application scaled successfully with no performance degradation | Pass |
| 3 | TC-013 | 1. Monitor system uptime over a month | 99.9% uptime achieved | Continuous monitoring data | Uptime consistent with requirements | Pass |
| 4 | TC-014 | 1. Evaluate UI/UX with user testing<br>2. Collect feedback | Positive user feedback and high usability scores | User testing data | Positive feedback received, high usability scores | Pass |
| 5 | TC-015 | 1. Test app on multiple devices<br>2. Check compatibility | App works correctly on all target devices | iOS and Android devices | App functioned correctly on all tested devices | Pass |
| 6 | TC-016 | 1. Review code for maintainability<br>2. Evaluate ease of updates | Code is clean, well-documented, and easy to maintain | Codebase review | Code found to be maintainable and well-documented | Pass |
| 7 | TC-017 | 1. Validate data integrity<br>2. Perform backup and restore tests | Data remains intact, backups and restores function correctly | Database test data | Data integrity maintained, backups and restores successful | Pass |
| 8 | TC-018 | 1. Review privacy compliance<br>2. Check data handling procedures | Compliance with GDPR and local regulations | Data handling procedures | Full compliance with GDPR and local data protection laws | Pass |
| 9 | TC-019 | 1. Test application in multiple languages<br>2. Validate translations | Correct translations and localization | Multi-language data | Accurate translations, correct localization | Pass |
| 10 | TC-020 | 1. Evaluate accessibility<br>2. Use accessibility tools to check compliance | Meets WCAG 2.1 accessibility standards | Accessibility tools and guidelines | Application compliant with WCAG 2.1 standards | Pass |

Conclusion

The Test Case Matrix provides a detailed overview of the various test cases employed to validate both functional and non-functional requirements. This matrix ensures that every aspect of the application has been thoroughly tested and documented, confirming the quality and reliability of the Job Nexus application.

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**Test Case -No.2**

**Test Case Id:** TC001, TC002, TC003, TC004, TC005, TC006

**Test priority (low/medium/high):** med

**Module name**: Login module of Venue Match

**Test title:** verification of admin login on website

**Description**: test the login page for valid entry

**Test executed by**: Narvasha Adhikari

**Test reviewed by**: Kreeti Subedi

**Pre-conditions**: user has valid username and password

**Test Steps**: Navigate to the login panel in the project's executable file. Enter random characters, zero or null values, capitalized strings, functions inside of functions, and then check to see if the page redirects to the appropriate section.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ste | Test | Test | Test | Expected |  | Test data | |  | Actual | | Status |  |
| p | case | cases | steps | results |  |  |  |  | result |  | (Pass/F |  |
|  | id |  |  |  |  |  |  |  |  |  | ail) |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |
| 1 | TC0 | verificati | Navigat | System |  | User= | |  | User | is | pass |  |
|  | 01 | on | e | displays |  | [admin@gmail.](mailto:admin@gmail.com) | |  | navigat | |  |  |
|  |  |  | to login | homepag |  | [com](mailto:admin@gmail.com) |  |  | ed | to |  |  |
|  |  |  |  |  |  |
|  |  |  | page | e |  | Password= | |  | dashbo | |  |  |
|  |  |  |  |  |  | admin@123 | |  | ard with | |  |  |
|  |  |  |  |  |  |  |  |  | success | |  |  |
|  |  |  |  |  |  |  |  |  | ful |  |  |  |
|  |  |  |  |  |  |  |  |  | login |  |  |  |
|  |  |  |  |  |  |  | |  |  | |  |  |
| 2 | TC0 | Valid | Click on | Displays |  | User= | |  | Error in | | pass |  |
|  | 02 | usernam | login | error |  | [admin@gmail.](mailto:admin@gmail.com) | |  | success | |  |  |
|  |  | e wrong | button | message |  | [com](mailto:admin@gmail.com) |  |  | ful |  |  |  |
|  |  | passwor | enter | login |  | Password= | |  | login |  |  |  |
|  |  | d | valid | failed |  | admin@123 | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | usernam | |  |  |  |  |  |  |  |  |  |
|  |  |  | e | and |  |  |  |  |  |  |  |  |  |
|  |  |  | passwor | |  |  |  |  |  |  |  |  |  |
|  |  |  | d |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | | |  | |  |
| 3 | TC0 | Wrong | Click on | | Displays | |  | User= | | | Error in | | pass |
|  | 03 | usernam | login | | error |  |  | [admin@gmail.](mailto:admin@gmail.com) | | | success | |  |
|  |  | e valid | button | | message | |  | [com](mailto:admin@gmail.com) |  |  | ful |  |  |
|  |  | passwor | enter | | login |  |  | Password= | | | login |  |  |
|  |  | d | valid | | failed | |  | admin@123 | | |  |  |  |
|  |  |  | usernam | |  |  |  |  |  |  |  |  |  |
|  |  |  | e | and |  |  |  |  |  |  |  |  |  |
|  |  |  | passwor | |  |  |  |  |  |  |  |  |  |
|  |  |  | d |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | | |  | |  |
| 4 | TC0 | Button | Click on | | Successfu | |  | Navigated to | | | success | | pass |
|  | 04 | click test | login | | l | click |  | dashboard | | |  |  |  |
|  |  |  | button | | and |  |  |  |  |  |  |  |  |
|  |  |  |  |  | further | |  |  |  |  |  |  |  |
|  |  |  |  |  | result | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | | |  |  |  |
| 4 | TC0 | Verify | Try | to | error |  |  | Click on login | | | error |  | pass |
|  | 05 | login | login | |  |  |  |  |  |  |  |  |  |
|  |  | without | without | |  |  |  |  |  |  |  |  |  |
|  |  | registrati | providin | |  |  |  |  |  |  |  |  |  |
|  |  | on test | g |  |  |  |  |  |  |  |  |  |  |
|  |  |  | necessar | |  |  |  |  |  |  |  |  |  |
|  |  |  | y |  |  |  |  |  |  |  |  |  |  |
|  |  |  | credenti | |  |  |  |  |  |  |  |  |  |
|  |  |  | als |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | | |  | |  |
| 4 | TC0 | Forgot | Provide | | Authentic | |  | User=empty | | | Retriev | | pass |
|  | 06 | passwor | valid | | ate | the |  | Password=em | | | e | for |  |
|  |  | d test | user |  | user | and |  | pty | | | user |  |  |
|  |  |  | name | | change | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|  |  |  | and | the new |  | account |  |
|  |  |  | passwor | password |  | s |  |
|  |  |  | d before |  |  |  |  |
|  |  |  | clicking |  |  |  |  |
|  |  |  | forgot |  |  |  |  |
|  |  |  | passwor |  |  |  |  |
|  |  |  | d |  |  |  |  |
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*Table 4 : Test case for verification of admin login*

**Test Case -No.3**

**Test Case Id:** TC001, TC002, TC003, TC004, TC005, TC006

**Test priority (low/medium/high):** med

**Module name**: Login module of Venue Match

**Test title:** verification of venue owner login on website

**Description**: test the login page for valid entry

**Test executed by**: Narvasha Adhikari

**Test reviewed by**: Kreeti Subedi

**Pre-conditions**: user has valid username and password

**Test Steps**: Navigate to the login panel in the project's executable file. Enter random characters, zero or null values, capitalized strings, functions inside of functions, and then check to see if the page redirects to the appropriate section.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ste | Test | Test | Test | Expected | Test data | Actual | Status |
| p | case | cases | steps | results |  | result | (Pass/F |
|  | id |  |  |  |  |  | ail) |
|  |  |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | TC0 | verificati | | Navigat | | System | |  | User= | | | User | is | pass |  |
|  | 01 | on |  | e |  | displays | |  | [owner@gmail.](mailto:owner@gmail.com) | | | navigat | |  |  |
|  |  |  |  | to | login | dashboar | |  | [com](mailto:owner@gmail.com) |  |  | ed | to |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | page | | d |  |  | Password= | | | dashbo | |  |  |
|  |  |  |  |  |  |  |  |  | owner@123 | | | ard with | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | success | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | ful |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | login |  |  |  |
|  |  |  | |  | |  | |  |  | | |  | |  |  |
| 2 | TC0 | Valid | | Click on | | Displays | |  | User= | | | Error in | | pass |  |
|  | 02 | usernam | | login | | error |  |  | [owner@gmail.](mailto:owner@gmail.com) | | | success | |  |  |
|  |  | e | wrong | button | | message | |  | [com](mailto:owner@gmail.com) |  |  | ful |  |  |  |
|  |  | passwor | | enter | | login |  |  | Password= | | | login |  |  |  |
|  |  | d |  | valid | | failed | |  | owner@123 | | |  |  |  |  |
|  |  |  |  | usernam | |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | e | and |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | passwor | |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | d |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | |  | |  | |  |  | | |  | |  |  |
| 3 | TC0 | Wrong | | Click on | | Displays | |  | User= | | | Error in | | pass |  |
|  | 03 | usernam | | login | | error |  |  | [owner@gmail.](mailto:owner@gmail.com) | | | success | |  |  |
|  |  | e | valid | button | | message | |  | [com](mailto:owner@gmail.com) |  |  | ful |  |  |  |
|  |  | passwor | | enter | | login |  |  | Password= | | | login |  |  |  |
|  |  | d |  | valid | | failed | |  | owner@123 | | |  |  |  |  |
|  |  |  |  | usernam | |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | e | and |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | passwor | |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | d |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | |  | |  | |  |  | | |  | |  |  |
| 4 | TC0 | Button | | Click on | | Successfu | |  | Navigated to | | | success | | pass |  |
|  | 04 | click test | | login | | l | click |  | dashboard | | |  |  |  |  |
|  |  |  |  | button | | and |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | further | |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | result | |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | TC0 | Verify | Try to | error |  | Click on login | error |  | pass |
|  | 05 | login | login |  |  |  |  |  |  |
|  |  | without | without |  |  |  |  |  |  |
|  |  | registrati | providin |  |  |  |  |  |  |
|  |  | on test | g |  |  |  |  |  |  |
|  |  |  | necessar |  |  |  |  |  |  |
|  |  |  | y |  |  |  |  |  |  |
|  |  |  | credenti |  |  |  |  |  |  |
|  |  |  | als |  |  |  |  |  |  |
|  |  |  |  |  | |  |  | |  |
| 4 | TC0 | Forgot | Provide | Authentic | | User=empty | Retriev | | pass |
|  | 06 | passwor | valid | ate | the | Password=em | e | for |  |
|  |  | d test | user | user | and | pty | user |  |  |
|  |  |  | name | change | |  | account | |  |
|  |  |  | and | the | new |  | s |  |  |
|  |  |  | passwor | password | |  |  |  |  |
|  |  |  | d before |  |  |  |  |  |  |
|  |  |  | clicking |  |  |  |  |  |  |
|  |  |  | forgot |  |  |  |  |  |  |
|  |  |  | passwor |  |  |  |  |  |  |
|  |  |  | d |  |  |  |  |  |  |
|  |  |  |  |  | |  |  |  |  |
|  |  | *Table 5: Test case for verification of venue owner login* | | | | | |  |  |

**Test Case -No.4**

**Test Case Id:** TC001, TC002, TC003, TC004, TC005, TC006

**Test priority (low/medium/high):** med

**Module name**: Registration

**Test title:** test of registration

**Description**: registration of new user

**Test executed by**: Narvasha Adhikari

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**Test reviewed by**: Kreeti Subedi

**Pre-conditions**: user has valid username and password; email id must not be used before registration to the system i.e., is unique email id for each user

**Test Steps**: click on register button and fill with correct data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ste | Test | Test |  | Test | Expected | |  | Test data | |  | Actual | Status |  |
| p | case | cases |  | steps | results |  |  |  |  |  | result | (Pass/F |  |
|  | id |  |  |  |  |  |  |  |  |  |  | ail) |  |
|  |  |  | |  |  |  |  |  | |  |  |  |  |
| 1 | TC0 | Registrat | | Click | All | the |  | email= | |  | As | pass |  |
|  | 01 | ion | of | on | required | |  | [narvasha@gmai](mailto:narvasha@gmail.com) | |  | expecte |  |  |
|  |  | new user | | register | fields are | |  | [l.com](mailto:narvasha@gmail.com) | |  | d, |  |  |
|  |  |  |  | button | filled and | |  |  |  |  |  |  |  |
|  |  |  |  |  | Password= | |  |  |  |  |
|  |  |  |  | and fill | processe | |  | narvasha@123 | |  |  |  |  |
|  |  |  |  | fields of | d | to |  | Contact: | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | forms | verificati | |  | 9806669990 | |  |  |  |  |
|  |  |  |  | i.e. | on | of |  |  |  |  |  |
|  |  |  |  |  | Address: | |  |  |  |  |
|  |  |  |  | email id | details |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | contact |  |  |  | Lakeside, | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | number, |  |  |  | Pokhara | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | address |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  | |  |  |  |  |
| 2 | TC0 | Valid |  | Click | Displays | |  | email= | |  | Error in | pass |  |
|  | 02 | usernam | | on login | error |  |  | [narvasha@gmai](mailto:narvasha@gmail.com) | |  | success |  |  |
|  |  | e wrong | | button | message | |  | [l.com](mailto:narvasha@gmail.com) | |  | ful |  |  |
|  |  | passwor | | enter | login |  |  |  |  |  | login |  |  |
|  |  |  |  | Password= | |  |  |  |
|  |  | d |  | valid | failed |  |  | narvasha@123 | |  |  |  |  |
|  |  |  |  | userna |  |  |  | Contact: | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | me and |  |  |  | 9806669990 | |  |  |  |  |
|  |  |  |  | passwor |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Address: | |  |  |  |  |
|  |  |  |  | d |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | Lakeside, | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | Pokhara | |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | |  |  |  | |  |  |
| 3 | TC0 | Wrong | Click | | Displays | |  | User= | |  |  | Error in | | pass |  |
|  | 03 | usernam | on login | | error |  |  | [owner@gmail.c](mailto:owner@gmail.com) | | | | success | |  |  |
|  |  | e valid | button | | message | |  | [om](mailto:owner@gmail.com) | |  |  | ful |  |  |  |
|  |  | passwor | enter | | login | |  |  |  |  |  | login | |  |  |
|  |  |  | Password= | |  |  |  |  |
|  |  | d | valid | | failed | |  | owner@123 | |  |  |  |  |  |  |
|  |  |  | userna | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | me | and |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | passwor | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | d |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | |  | |  | |  |  |
| 4 | TC0 | Button | Click | | Successf | |  | Navigated | | to | | success | | pass |  |
|  | 04 | click test | on login | | ul | click |  | dashboard | |  |  |  |  |  |  |
|  |  |  | button | | and |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | further | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | result | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |
| 4 | TC0 | Verify | Try | to | error |  |  | Click on login | |  |  | error |  | pass |  |
|  | 05 | login | login | |  |  |  |  |  |  |  |  |  |  |  |
|  |  | without | without | |  |  |  |  |  |  |  |  |  |  |  |
|  |  | registrati | providi | |  |  |  |  |  |  |  |  |  |  |  |
|  |  | on test | ng |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | necessa | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | ry |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | credenti | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | als |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  | |  |  |  | |  |  |
| 4 | TC0 | Forgot | Provide | | Authenti | |  | User=empty | |  |  | Retriev | | pass |  |
|  | 06 | passwor | valid | | cate | the |  | Password=empt | | | | e | for |  |  |
|  |  | d test | user |  | user | and |  | y | |  |  | user |  |  |  |
|  |  |  | name | | change | |  |  |  |  |  |  |  |  |  |
|  |  |  | and |  |  |  |  |  |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | passwor | the new |  | account |  |
|  |  |  | d before | password |  | s |  |
|  |  |  | clicking |  |  |  |  |
|  |  |  | forgot |  |  |  |  |
|  |  |  | passwor |  |  |  |  |
|  |  |  | d |  |  |  |  |
|  |  |  |  |  |  |  |  |

*Table 6: Test case for verification of registration*

Test case No-5

Test case ID – TC001, TC002

Test Priority (Low/Medium/High): Medium

Module Name: Booking venue

Test Title: Booking testing

Description: User successfully books Venue A, is able to select their preferred date and time for the test, reviews the booking details, confirms the booking, and ensures that the confirmation is accurate.

Test Executed by: Samjhana Poudel

Test Reviewed by : Suman Poudel

Pre-condition: User must be logged in.

Test Steps : Select the desired venue and navigate to booking screen and select date, total guests

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Step 1 | Test Case | Test Cases | Test | Expected | Test | Actual | Status |  |
|  | Id |  | Steps | Results | Data | Results | (Pass/Fail) |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1 | TC001 | User | Select | Navigate | Venue id | As | Pass |  |
|  |  | Should be | the | to | Category | expected |  |  |
|  |  | logged in | desired | booking | id |  |  |  |
|  |  |  | venue | screen |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Click on |  |  |  |  |
|  |  |  | book |  |  |  |  |
|  |  |  | now |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2 | TC002 | User | User | Display | Total | As | Pass |
|  |  | should | should | the total | Amount | expected |  |
|  |  | navigate | select | details |  |  |  |
|  |  | to the | the date | and total |  |  |  |
|  |  | booking | and total | amount |  |  |  |
|  |  | screen | guests | for |  |  |  |
|  |  |  |  | booking |  |  |  |
|  |  |  |  | venue |  |  |  |
|  |  |  |  |  |  |  |  |
| 3 | TC003 | User | Click on | Navigate |  | As | Pass |
|  |  | should | book | to |  | expected |  |
|  |  | navigate | now | payment |  |  |  |
|  |  | to |  | screen |  |  |  |
|  |  | payment |  |  |  |  |  |
|  |  | screen |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

*Table 7: Test case for booking venue*

Test case No-6

Test case ID – TC001

Test Priority (Low/Medium/High): Medium

Module Name: Payment integration

Test Title: Payment testing

Description: A user should have the capability to successfully initiate a payment and successfully finalize the booking procedure.

Test Executed by: Samjhana Poudel

Test Reviewed by: Suman Poudel

Pre-condition: The user needs to have an active login session, choose their preferred venue, and complete all the necessary information on the booking screen.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Step | Test | Test | Test | Expected | Test Data | Actual | Status |  |
| 1 | Case Id | Cases | Steps | Results |  | Results | (Pass/Fail) |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1 | TC001 | Payment | Navigate to | Venue | Phone no | As | Pass |  |
|  |  | process | payment | booked | and | expected |  |  |
|  |  |  | page. Enter |  | password |  |  |  |
|  |  |  | user's |  |  |  |  |  |
|  |  |  | payment |  |  |  |  |  |
|  |  |  | information. |  |  |  |  |  |
|  |  |  | Click on |  |  |  |  |  |
|  |  |  | "Pay Now" |  |  |  |  |  |
|  |  |  | button. |  |  |  |  |  |
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*Table 8: Test case for payment*

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*FIGURE 8 GANTT CHART*

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**11. Project Results:**

The Job Nexus application, designed to revolutionize the job search process in Nepal, has achieved remarkable results following its development and testing phase:

Intuitive User Interface: Job Nexus boasts an intuitive and user-friendly interface, providing seamless navigation through its features and functionalities. The design prioritizes clarity and simplicity, ensuring that users can effortlessly search, filter, and explore job opportunities.

Accurate Job Recommendations: Leveraging advanced algorithms, Job Nexus delivers precise and tailored job recommendations based on user preferences, including skills, experience, and location. This ensures that users are presented with opportunities that align closely with their professional aspirations.

Efficient Search and Filtering: The search and filtering mechanisms within Job Nexus are highly efficient and responsive, empowering users to swiftly browse through a diverse range of job listings and refine their search criteria as needed. Filters for industry, job type, and location enhance the search experience, enabling users to find relevant opportunities with ease.

Streamlined Application Process: Job Nexus offers a streamlined application process, allowing users to apply for positions directly within the app. This seamless process eliminates unnecessary steps and simplifies the application experience for candidates, facilitating faster and more convenient job applications.

Real-time Job Updates: Employers can update job listings in real-time, ensuring that users have access to the latest job openings and opportunities. Real-time notifications keep users informed about new job postings and application statuses, enhancing their engagement with the platform.

Robust Security Measures: Job Nexus implements robust security measures to safeguard user accounts and personal information. Secure authentication methods, encryption protocols, and regular security audits ensure the integrity and confidentiality of user data, instilling trust and confidence among users.

Scalable Infrastructure: Built on a scalable architecture, Job Nexus is capable of handling increasing user traffic and expanding job listings without compromising performance. This scalability ensures a seamless experience for users, even as the platform grows in popularity and usage.

Responsive Design: Job Nexus features a responsive design that adapts seamlessly to various devices and screen sizes, including smartphones, tablets, and desktop computers. This ensures a consistent and optimal user experience across all platforms, maximizing accessibility and usability.

Error Handling and Feedback: Comprehensive error handling mechanisms and meaningful feedback mechanisms are integrated into Job Nexus to provide users with informative responses in case of errors or unsuccessful operations. This proactive approach enhances user satisfaction and minimizes frustration.

Extensibility and Maintainability: Job Nexus is designed with extensibility and maintainability in mind, with a modular and well-structured codebase that adheres to best practices and design patterns. This facilitates the addition of new features and updates in the future, ensuring the long-term viability and relevance of the application.

In summary, Job Nexus has successfully delivered a comprehensive and user-centric job search platform that offers a seamless experience for both job seekers and employers. With its intuitive interface, accurate recommendations, efficient search capabilities, and robust security measures, Job Nexus is poised to make a significant impact on the job market in Nepal, promoting inclusivity, accessibility, and economic empowerment.

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**12.Future Enhancement**

As the Venue Match App evolves and aims to provide an even better experience for its users, several future enhancements can be considered:

* Advanced Matching Algorithms: Implement more sophisticated algorithms to enhance job recommendations further. This could include machine learning techniques to analyze user behavior and preferences, providing even more personalized job suggestions.
* Expanded Job Categories: Introduce additional job categories and subcategories to cater to a broader range of industries and professions. This will allow Job Nexus to accommodate diverse user interests and career paths.
* Integration with Learning Resources: Partner with online learning platforms to integrate educational resources directly into the app. This could include courses, tutorials, and certification programs to help users upskill and prepare for their desired roles.
* Networking Features: Introduce networking features that enable users to connect with professionals in their field, join industry groups, and attend virtual networking events. Facilitating connections and mentorship opportunities can enhance the overall user experience.
* Real-time Chat Support: Implement real-time chat support to provide users with instant assistance and guidance throughout their job search journey. This could include chatbots for basic queries and live chat support for more complex issues.
* Integration with Social Media Platforms: Allow users to import their professional profiles from social media platforms like LinkedIn, making it easier to create and update their Job Nexus profiles. This integration can streamline the onboarding process and ensure that user information remains up-to-date.
* Geolocation-based Job Search: Introduce geolocation-based search functionality to help users find job opportunities in their local area. This feature can be particularly useful for users seeking employment within a specific geographic region or commuting distance.
* Enhanced Employer Profiles: Provide employers with the ability to create more detailed profiles showcasing their company culture, values, and perks. This can help job seekers evaluate potential employers more effectively and make informed decisions about their career choices.
* Interview Preparation Resources: Offer interview preparation resources, including tips, sample questions, and mock interview simulations. Empowering users with the tools they need to succeed in interviews can improve their confidence and chances of landing their desired roles.
* Analytics and Insights: Introduce analytics and insights features for both job seekers and employers, providing valuable data on job market trends, candidate profiles, and hiring patterns. This data-driven approach can help users make informed decisions and optimize their job search or recruitment strategies..

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**13.Conclusion**

JobNexus, the mobile app designed to revolutionize the job search process, is poised to be a project with a high success rate. It caters comprehensively to the needs of both job seekers and employers, offering a seamless platform for job discovery and recruitment.

Job seekers benefit from the app's user-friendly interface, which enables them to easily find job opportunities relevant to their field. They can apply online with ease, track their application status, and receive timely updates from employers. This empowers them to make informed decisions about their career path and enhances their chances of securing meaningful employment.

Employers, on the other hand, enjoy a streamlined recruitment process facilitated by Job Nexus. They can post job listings, manage applications, and communicate with candidates efficiently through the app. The platform's advanced algorithms ensure that employers receive qualified applicants, saving time and resources in the hiring process.

Throughout the development of Job Nexus, it became evident that the project is dynamic and continuously evolving. With endless possibilities for improvement, the app remains adaptable to changing market trends and user needs. This flexibility ensures that Job Nexus will remain relevant and effective in facilitating job matches for years to come.

In essence, Job Nexus represents a significant advancement in the job search landscape, offering a modern solution that caters to the evolving needs of job seekers and employers. With its commitment to innovation and user satisfaction, Job Nexus is positioned to make a lasting impact on the employment industry, empowering individuals to find their ideal job opportunities and helping businesses thrive by connecting them with top talent.

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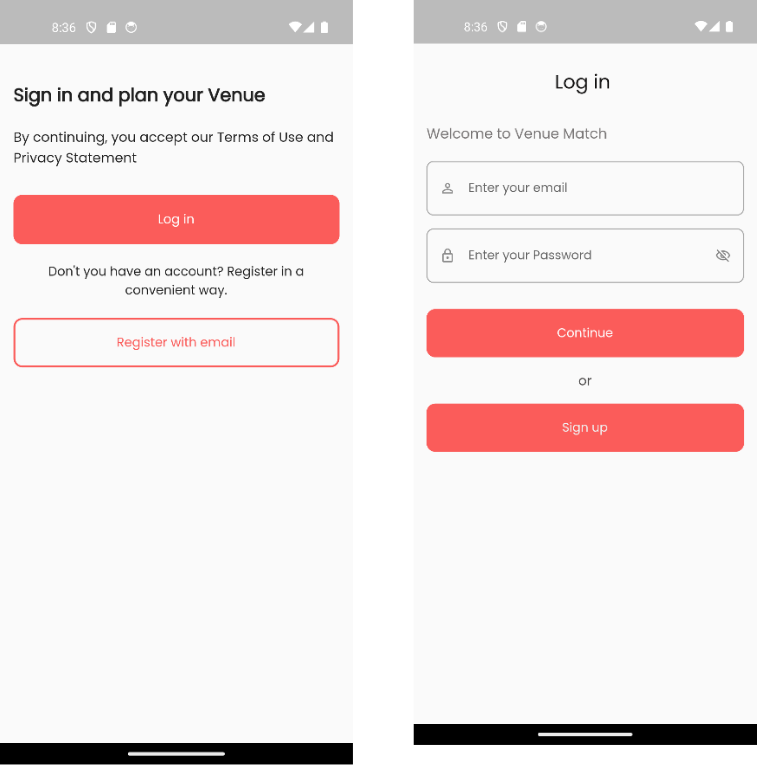
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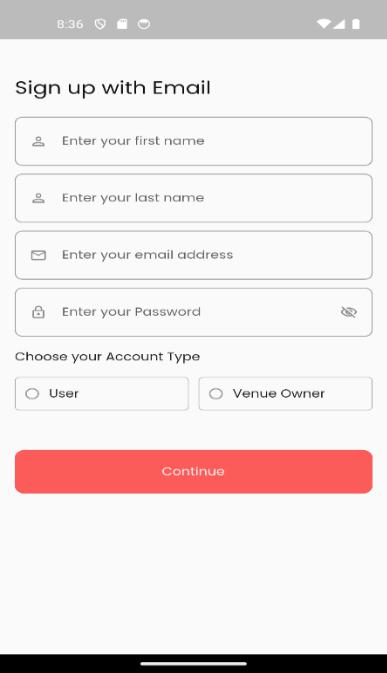
**Annexure**

During the development of our project we have faced unfamiliar errors while developing various services and we have come across to solve the problem within the given time period of time. So we are finally able to deliver the website and mobile application that will satisfy the customers. Here are some screenshots of our system

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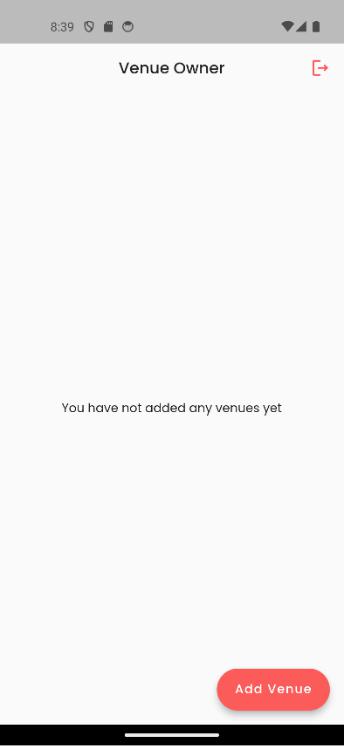
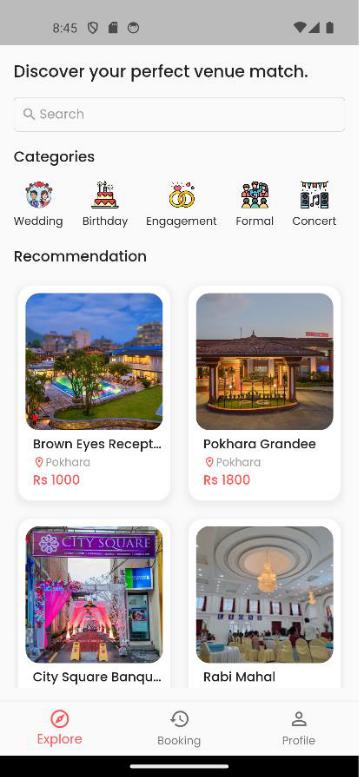


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| --- | --- | --- |
|  | **WELCOME SCREEN** |  |
| **FIG: WELCOME SCREEN** | **FIG: LOGIN SCREEN** |  |
|  |  |



**FIG: SIGNUP SCREEN**

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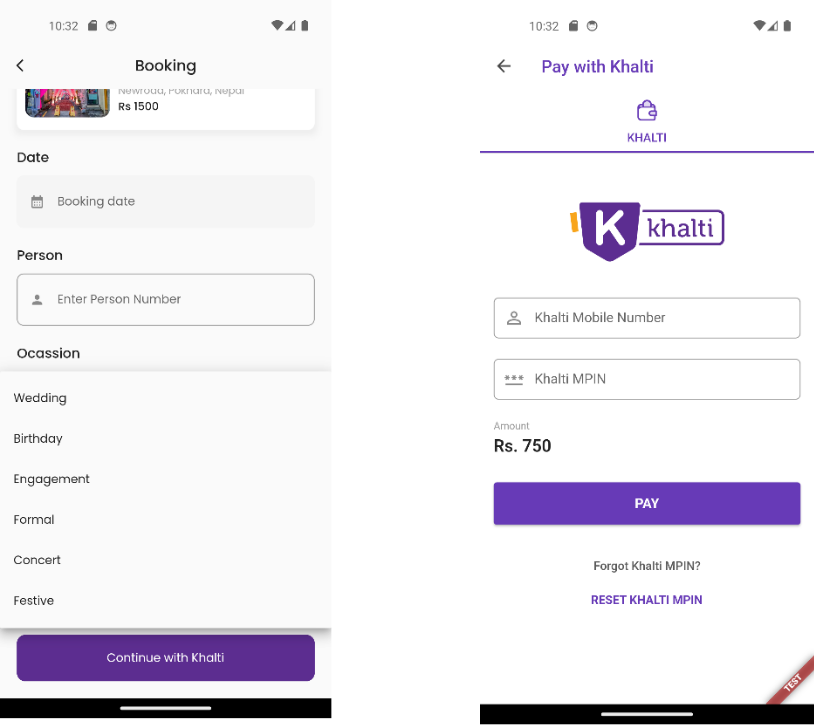


**FIG: VENUE OWNER PAGE** **FIG: EXPLORE SCREEN**



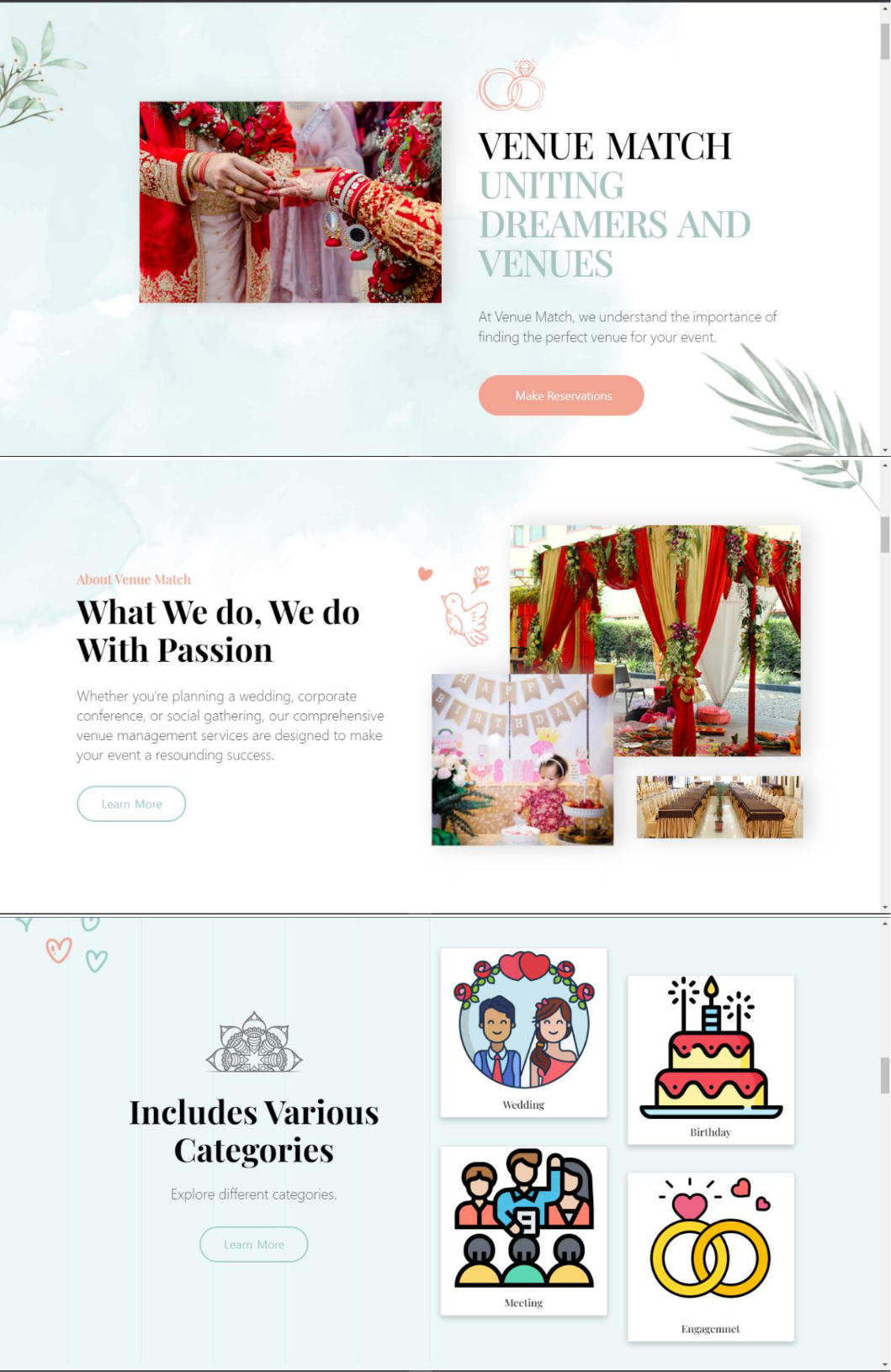
**FIG: DETAIL SCREEN**

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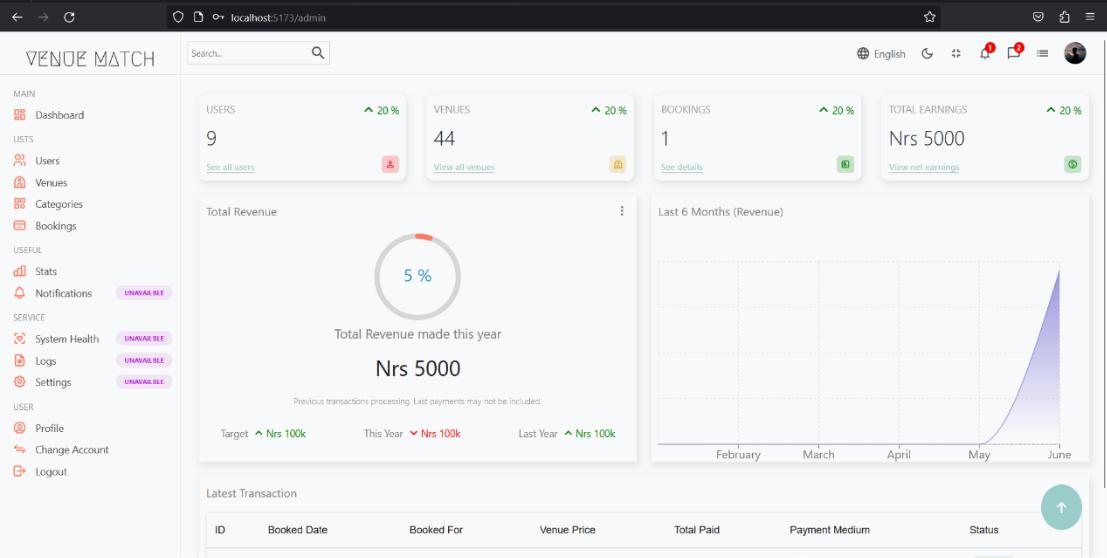
**FIG: BOOKING AND PAYMENT SCREEN**

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**FIG: WEBSITE LANDING PAGE**

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**FIG: ADMIN DASHBOARD**

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