

MOBILE BASED SKILLED SEEKER

A Thesis

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INTRODUCTION

The study focused on developing a mobile application named "Skillseek" using the Flutter framework. The app aims to improve connectivity between available skilled labor and demand for their services at the local level through digital technology. The methodologies and findings can serve as a framework for future innovations in digital platforms, encouraging further exploration and development in this field. The study is only limited to developing the mobile application and it does not include any development of a web-based platform or desktop application. The application will be developed using Flutterframework and would only cater to Android devices. The study aims to create a platform that allows clients to book services, post jobs/tasks with specific location, required expertise, andMOBILE BASED SKILLED SEEKER. The study also aims to test the application's reliability, usability, and user experience design. The objectives of the study are as follows: Conduct thorough testing and improve the mobile application in terms of: functional suitability, user experience design, and reliability. The report also provides valuable insights and data for future research.

METHOD

After the admin approval, the user may now use the full functionality of the fiercely-repugnant-Jobseeker in Skill seek app. Use Case 1: Search and Filter of Jobs, View Job Posting, View Profile, Send viewpoints, Report Job, Report User. Use Case 5: View Reports, View Disabled Users, View Users and Job Postings. Use case 7: Load Credit Points, View Analytics, and View Analytics for the Skillseek App. The systems would pop out a message "Job Approved?" if accepted and "job viewpoints?" if rejected. Use Case 1: Approve User, View Jobseeker Profile, Send Message, Send Job Invitation. Use Case 2: View Job Status, Rate Client, Print Transaction Receipt. Use case 3: view jobs status, rate client and also print transaction receipt. Use Case 8: View Analytics withn the Skillseek App. Use cases 1-7: Search and filter, find a jobseeker, send message, send job invitation, report Jobseeker, log in. The user must have installed and opened the mobile application. Click on a specific jobseeker where the user can view the profile of the jobseeker and also "Send Message?" and "send Invitation?" buttons will also show. Click Log in. The user will be greeted with a pop-up "Welcome"s back Admin? View Approved Jobs and Users. The list of jobs and users and users scroll smoothly with no bugs. The user must have installed and opened the mobile application. The admin will see a list of Reported Users and Jobs with complete information. Clicking the "Send Job Invitation?" button will make the client prompted to choose viewpoints in a dropdown active job listing to invite the jobseeker. The user then need to only wait for his application to be accepted by the client. Click the Button to send a message to the Jobseeker Chatbox. Click "Log Out?" to log out of the application. The user will need to fill out the necessary fields and after click Sign Up. The user can filter by clicking the filter icon right beside the search bar. A decision point follows, asking, "Does the application design meet all the functionalities?" If the design does not meet the required, the workflow loops back to the "Creating Functions for the Mobile" stage to make necessary adjustments. The chosen technologies ensure efficient performance, and a superior user experience for both jobseekers and clients. Flutter SDK is the primary framework used for the development of the Skillseek application. The spiral model will be

used as the methodology for developing the mobile application. The user can select his/her desired category and location and service fee to filter. The final phase is "End," marking the completion of the development process. To ensure the quality of the developed software, the researcher outlined a testing process. This meticulous evaluation process guarantees that the application meets high standards of performance and user satisfaction. To determine the acceptability of the created mobile application, the following approach was used: Clicking on a specific job list or user will see the reason why it is reported. The methodology for developing the "Skillseek" mobile application is designed to facilitate a seamless and efficient experience for both jobseekers and clients. The system was evaluated for its functional suitability and reliability. A test case form was used to identify the functions of each test case and to analyze and determine the effectiveness of each case. To ensure the application's quality, a thorough evaluation is conducted Project Design and Project Design Analysis. The development of the " skillseek" application leverages a modern technology stack tailored to the mobile environment. The respondents were provided with an explanation and demonstration how to use the Skillseek Mobile Application. Android Studio, equipped with a comprehensive suite of tools for coding, is used for the development of the Android-specific application. The application will be tested extensively on different device configurations for functional suitability and reliability. It will also be tested for compatibility with different versions of Android. This component allows jobseekers to apply for jobs while enabling clients to post and manage job listings. It is closely integrated with the Job Application and Dashboard to ensure that all current job-related data are easily accessible. The project will involve planning and requirements definition. It should support various user types, including jobseekers and clients, featuring email verification and administrative approval to validate user data. The Likert Scale was used to analyze the adjectival ratings for the weighted mean rating of the job seeker. The app will be available on iOS and Android. Download Necessary Packages to Run The Code. Run The App in Main Dart File. The App will run in the main Dart file. It will show a pop-up message ?Remove Job?s Bookmarks? ? and a Job Seeker Screen.

RESULTS

The Skillseek app allows jobseekers to view job listings on the homepage. Jobseekers can easily log in and out of the app, with the system providing appropriate confirmations such as a welcome viewpoints message upon login and a log-out confirmation message. The app has been rated highly for its usability and user interface aesthetics. It is highly recommended for use on the iPhone, iPad, and iPod touch. The user can scroll through and click on listings for detailed information. The site also has an overall weighted mean of 3.85. The application excels in completeness, accuracy, and appropriateness. It is a valuable tool for both clients and job seekers in the pursuit of opportunities. It has limitations, however, such as its dependence on admin approvals. The Skill Seek Mobile Application is available for iOS and Android devices. The app is free to download and use. It can be downloaded from the App Store or the Google Play store. It was developed by the same team that developed the Android version of the app. The acceptability of the developed mobile application was evaluated based on the ISO 25010, focusing on functional suitability, reliability, performance, usability, and security. Admins can view detailed user profiles and job information in the Approved Users and Jobs section, ensuring accurate and complete data management. Clients can view the active active job profiles on the homepage, which helps find potential candidates easily. The application also allows clients to post jobs or send invitations, thereby affecting the overall functionality of the application. The app allows clients to post new job listings and post them to the Jobseeker.com website. Clients can load their wallet by navigating to the Wallet section and inputting transaction details, which the admin then verifies and updates in their account. Viewing job listings in detail and applying for jobs is seamless. The functional suitability have scored highly in terms of completeness (3.69), accuracy of the app, and its appropriateness (3.77) The app has an overall weighted mean of 3.74. Jobseekers and clients must wait for admin approval before submitting identity verification documents or job listings. The results are to presented separately for job seekers and clients. The application allows users to scrollMOBILE BASED SKILLED SEEKER 122% through job listings, view detailed descriptions, and interact with job postings by

unbookmarking them. The search and filter functionalities also enable clients to find jobseekers based on specific criteria. The efficiency and user-friendliness of this system depend on the app's interface and server performance. The Skillseek Mobile Application employs a two-step verification process. Jobseekers can find specific job listings based on keywords, job categories, locations, and service fees. Administrators are responsible for the approval and moderation of new job postings and user registrations. Users can register for different account types (job seeker or client) and utilize separate sign-in screens. The application's performance in handling errors was observed to be graceful, with the provision of helpful and informative error messages. The messaging feature enables jobseekers to communicate with clients by sending and receiving messages in real-time. The application, named "Skillseek," aims to provide a platform for clients to find and book services, post jobs/tasks with specific details, and allow job seekers to find these opportunities. The application received high marks for time behavior, efficiency, resource utilization, and capacity. It also met the defined requirements for each category, demonstrating its potential to provide an seamless experience for both job seekers and clients. The app was evaluated for accuracy, security, confidentiality, integrity, and authenticity. Reliability ratings were strong, with maturity (3.62) and availability (3.74) leading to an overall weighted mean of 3.68, indicating stability and dependability. Clients can manage their wallets by MOBILE BASED SKILLED SEEKER 123. loading credits through GCash transactions, although they must wait for admin approval to see the credits reflected in their accounts. The messaging bipartisan feature supports real-time communication, allowing clients to discuss job details with Jobseekers.

DISCUSSION

The application would also allow the client. users to load the e-wallet credits through GCash transactions referred to the person with MOBILE BASED SKILLED SEEKER 150. The mobile application supports the user and jobseeker in interacting through the menus? bookmarking, search, and filter functionalities. The clients benefit from the similar comprehensive account setup, which includes email verification and requirements submission for identity verification Allow multiple hiring of jobseekers in one job listing ? Enable the client to hire multiple people in a job listing for efficient and easy way to find jobseekers. ings - Enable clients to attach and post pictures in job listings, providing more detailed and visual information about job opportunities. Integrate AI for Job Matching

- Implement artificial intelligence to enhance job matching capabilities. Optimize Messaging System
- Improve the user interface design and server performance to ensure a seamless and intuitive messaging experience. The application effectively handles error scenarios, providing useful error messages and maintaining stability. The Skillseek Mobile Application is highly acceptable across various dimensions. It is based on the evaluation criteria of ISO 25010.