

Android-based Mobile Application for Specific Counsel or of Specific Domain

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Abstract: *The paper discusses the design and development of an Android application that provides career guidance on a specific domain to users and students. The application can be used by students and researchers as it is a Knowledge sharing platform for specific domains in the field of Computer and Information Technology. It provides complete details of counselors, counselors' profiles, the expertise of the counselor, interaction with counselors using chats, the features like sharing documents for sharing knowledge with users, privately chatting with counselors, the platform on which publicly users can post the question and counselors are present to help them out.*

Keywords: Android application, Specific Domain, Counselor for Specific Domain, Knowledge sharing platform, Firebase Realtime Database, Authentication.

I. INTRODUCTION

Career guidance is a crucial aspect of determining one's interests, ambitions, abilities, and qualifications, facilitating informed decision-making in terms of work and learning. It provides vital information about the job market and educational opportunities, systematically organizing and streamlining access to it. Expert guidance for a specific domain is an interdisciplinary field, drawing upon multiple domains such as Machine Learning, Cloud Computing, Cyber Security, Android Development, Web development, Java Kotlin technologies, etc. Qualified professionals, with diverse levels of academic credentials, provide career guidance in most countries. Our team is currently in the process of developing a cutting-edge Android application that provides specialized expert guidance. The application is designed to offer expert recommendations from seasoned career counselors, thereby catering to the needs of students and researchers alike. Users can filter counselors based on their domain name, experience, institution, and city ensuring a tailor-made experience for each individual. The application will also support multiple languages without altering the meaning of the content, providing seamless access to all users.

II. LITERATURE SURVEY

Android-Based Model(1) The paper discusses the design and development of an Android operation which provides career guidance to scholars. The operation can be used by scholars and parents as it provides complete details of sodalities like education and accommodation freights, eligibility criteria, lot placement openings, accommodation installations, education schemes, lot drag-harborage services, rules, regulations, etc. It helps scholars to elect sodalities in the engineering and operation field in India and abroad grounded on the fac- bluffs like qualifying test details, specialized moxie, and other details. Vishal. D. Kamath1.(2) primary findings from the Professional Engineering Pathways Study, a study of career placement processes of undergraduate engineering majors at six different US institutions will be presented, and small group conversations guiding the operation of the findings to the institutions represented by the followership will be led. In addition, Jinny Rhee, and Sheri Sheppard. (3) utmost of scholars across the world are always in confusion after they complete advanced secondary and the stage where they've to choose an applicable career path. At the age of 18, scholars don't have the acceptable `maturity to directly know about what an existent has to follow to choose a unanimous career path. As we pass through the stages, we realize that every pupil undergoes a series of dubieties or study processes on what to pursue after 12th which is the single altitudinous question. also comes the coming agony of whether they've essential chops

for the sluce they've chosen. Our motorized career comforting system is used to prognosticate the suitable department for an existent grounded on their chops assessed by an objective test. Vignesh S, Shivani Priyanka C. (4) A new approach for ranking visual career counseling grounded on distance measures is explained. In this paper, the traditional system of career comforting will be carried out utilizing distance consulting services to make career comforting. Especially, professional education in the capacity limitation and professional working demand for education has led to a proliferation of virtual operations. Hence, the e-Visual Career Application has been developed as a web grounded program for guests who have taken professional comfort efficiently. With this operation, it'll help guests in the process of discovering and making opinions to their interests, capacities, personalities, chops, and values. This paper relies on the counteraccusations of introducing online visual career consulting in the login sessions and how it affects the people(administrator and customer), the processes(consulting), and the associations involved. Mustafa TUNAY. (5) Question and Answer(Q&A) websites similar asYahoo! Answers give a platform where druggies can post questions and admit answers. These systems take advantage of the collaborative intelligence of druggies to find information. In this paper, we dissect the online social network(OSN) inYahoo! Answers. Grounded on a large quantum of our collected data, we studied the OSN's structural parcels, which reveals strikingly distinct parcels similar as low link harmony and weak correlation between indegree and outdegree. After studying the knowledge base and actions of the druggies, we find that a small number of top contributors answer the utmost of the questions in the system. Also, each top contributor focuses only on many knowledge orders. In addition, the knowledge orders of the druggies are largely clustered. We also study the knowledge base in a stoner's social network, which reveals that the members of a stoner's social network share only many knowledge orders. Grounded on the findings, we give guidance in the design of spammer discovery algorithms and distributed Q&A systems. We also propose a fellowship- knowledge-acquainted Q&A frame that synergistically combines current OSN-grounded Q&A and web Q&A. We believe that the results presented in this paper are pivotal in understanding the collaborative intelligence in the web Q&A OSNs and lay a foundation for the elaboration of coming-generation Q&A systems. Haiying Shen, elderly Member, IEEE, Ze Li.

III. PROBLEM STATEMENT OF SYSTEM

Career counseling for specific domains is the most crucial aspect of a student's life. It aids him/her in choosing a perfect counselor who will give the perfect direction and suggestions to achieve the outcomes of his/her software work in real life. In the past, individuals seeking guidance on their research or projects were required to manually search for a suitable counselor with expertise in their specific domain. Upon locating a counselor, an in-person meeting was necessary to resolve any queries. Unfortunately, this process was both time-consuming and financially draining. Therefore, we are developing an innovative Android application that will facilitate the seamless connection between users and qualified counselors, eliminating the aforementioned obstacles. Our application will provide users with the ability to easily access the most suitable counselor for their specific requirements, thus enabling them to receive expert guidance in their research or project work.

IV. IMPLEMENTATION DETAILS OF MODULE

The proposed system contains the following:

4.1 Registration/Login & Creating Profile

The application features two types of users: students and counselors, each with their login credentials. The login process is facilitated by the app's interface, which allows students to enter their email and password to gain access to their accounts. Students are prompted to provide additional information such as their username and mobile number upon logging in. Counselors, on the other hand, must provide their username, email, and password to log in. The app uses an authentication library to verify the information provided by both students and counselors. In summary, the application enables real-time login for students and counselors, with students logging in using their email and password, and counselors providing their username, email, and password. The app employs an authentication library to authenticate the users' login credentials.

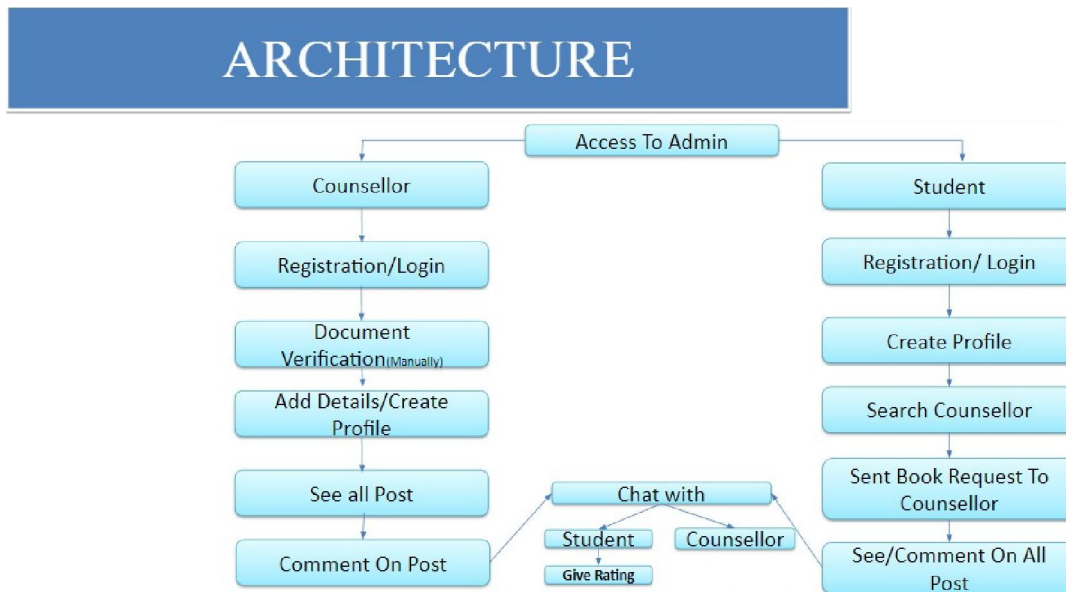


Fig. 1 System Architecture

4.2 Finding the Counselor

This module works on the list of counselors that save are on the Firebase database. The application allows users to search for counselors using domain filters. These filters help users to narrow down their search based on specific areas of expertise or interest. For instance, users can filter their searches by domain, such as psychology, relationship counseling, or career counseling. The domain filters also provide users with a list of relevant counselors, along with their profiles, qualifications, and experience. Users can review these profiles to determine which counselor is the best fit for their needs. Overall, the domain filters enable users to find counselors who specialize in the specific areas that they require assistance with.

4.3 Selecting Counselors and Chatting with them

Once users have filtered their search and found a suitable counselor, they can initiate a chat session with them directly through the app. Users can view the counselor's availability status and choose a convenient time to start the session. During the chat, users can discuss their concerns and seek advice from the counselor. The chat session is secure and private, ensuring confidentiality and anonymity for both parties. Overall, the app's chat feature enables users to connect with a counselor and receive support and guidance conveniently and confidentially.

4.4 Post Queries

In situations where users are unable to find a counselor or when the available counselors are busy, the app provides an option for users to post their queries. Other counselors registered on the app can view these queries and provide answers or suggestions. These posts are also made available to all users, allowing them to read and learn from the shared experiences of others. The app ensures that all queries and responses are kept confidential and anonymous. Overall, this feature offers users an additional avenue to seek guidance and support from qualified professionals and learn from the experiences of other users in a timely and convenient manner.

4.5 Feedback to Counselor

Once the user has completed a chat session with a counselor, the app provides an option to give feedback to the counselor. Users can rate the counselor's performance based on how well their queries were resolved and the overall experience of the chat session. The feedback is crucial in helping the counselor improve their services and ensuring that users receive high-quality support. The feedback is kept confidential and is only shared with the counselor. Overall, the app's feedback feature enables users to provide valuable input that can help improve the quality of the counseling services offered through the app.

V. CONCLUSION

The Android mobile application aims to provide students with a user-friendly tool for career counseling. The app's graphical user interface is designed to be accessible, easy to use, and intuitive. Using the app, students can easily browse and select counselors of their choice. The application is specifically designed to help clients receive professional career counseling efficiently, aiding them in the process of discovering and gaining knowledge in specific domains. Overall, the app offers a streamlined and convenient approach to career counseling for students, with an emphasis on simplicity and ease of use

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