Basic Idea

A lot of times people with unique skills and talent in various fields are not able to find a suitable and fulfilling job due to lack of platform, so for Bridging this gap between skill supply and skill demand, our mobile application will be very efficient and useful. Using this application user may register either as an employer or employee using their UID number. Then after successful registration they will need to provide their basic details like name, location, age, contact details, and skills. The provided data will be stored on our web server database. Now if any user registers him/herself as employee with a particular skill set, his/her skill will be matched with the necessitate skills of an employer and suggestion will be displayed. User will be able to choose and contact employer for a job of his/her choice. Since we are focusing more on linking semi-skilled labor the suggestion of job displayed will be from the same city, but one can filter the results according to his/her need or flexibility of location.

This application will be extremely advantageous for the semi-skilled labor who don’t have any higher education but have skills and experience, those who want to improve their skills but are forced to work in different sectors or are employed as domestic help in homes, gardeners, drivers etc. due to different circumstances. But the fact is that there is also a huge demand of people in public and private offices for computer operators, data entry operators etc. And all we need is to provide a link and a better connectivity. So, now with our application they will be able to find a job in his/her respective skills with ease.

In today’s world practical knowledge and skills are much more important than theoretical knowledge, and this application we can provide a bridge for everyone and make India a better place.

Technology Stack

The technologies that will be used in building this application consist of different stacks which are listed below as follows:

1. Mobile platform :

Our application is based on android platform and we are using Android studio, integrated development environment (IDE) for building the application.

1. Firebase :

Firebase provides a good platform for data storage, user authentication, crash analytics, real time database, notification and many more. That is why we are using Firebase authentication and data storage features in the application.

Firebase authentication allows user to authenticate or register themselves using Google/Email/Facebook account.

For storing employee and employer database and fetching from server we are using Firebase storage.

1. SQL lite :

Since the database fetched from server will be available only on an internet connection. Hence, we are using SQL lite for storing the fetched data locally. So that it can be viewed even if internet connection is not available after fetching.

Dependencies

For building the application we will be using following dependencies: -

1. Android OS
2. Firebase authentication
3. Firebase database
4. Third party android libraries
5. Access to Internet
6. Access to Smartphone camera

Users who will use this application need following dependencies:-

1. Android based mobile phone
2. Active internet connection
3. Google/Email/Facebook account