



JOB SEARCH AND POSTING THROUGH ANDROID APPLICATIONS

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Abstract

Our society tends to use devices that make our lives easier and more convenient. Smartphones are one of them. Our smartphone is our personal assistant that helps us mastering our everyday life. Android has emerged as one of the most widely used operating system in smartphones. Android is an open-source and free software designed primarily for touchscreen mobile devices such as smartphones and tablets. On Android operating system, many applications are built for entertainment, fun, learning and educational purpose. With the growing age of technology, many changes had taken place. The present paper discusses the design and development of an Android based app named as “Rojgaar” that will help people in searching and posting the job easily.

Keywords

Android, mobile applications, application framework, Android SDK, Android Studio, Android IDE

Introduction

Android is an operating system and programming platform which is basically developed for mobile phones and tablets by the Google. Android phones had change the human life in many ways. With the ongoing technology, mobile phones has become an important part of our life. Our day start with the morning alarm and ends with the gadgets. The ever developing mobile technology, increasing internet speed and the new interfaces had make us mobile friendly. This is made possible through the development of android applications (android apps). Today, there are unlimited number of android applications available on google play store and many other platforms. They are walking with us step to step. Presently, the use of apps can be seen in areas such as communication, education, cooking, social media, shopping, business (money making), matrimony, and banking.

These android applications are not only limited to shopping, cooking and entertainment purpose but they also help us in becoming financially independent.

According to the report presented by Indian Cellular Association and the Telecom and IT ministry, India is the second largest producer of mobile phones in the world. The annual production of mobile phones in India has increased from 3 million units in 2014 to 11 million units in 2017. The increasing production has opened many gateways for generating employment and helping people to secure job.

recent past years, mobile phones had become a sign of job creation.

Hardware and Software Requirements

- Microsoft Windows 7/8/10 (32 or 64 bit)
- Mac OS or KDE or Unity Desktop on Ubuntu or Fedora or GNU/Linux Debian
- 2 GB RAM
- 4 GB RAM recommended
- 500 MB Disk space
- 1 GB for Android SDK
- Java Development Kit (JDK) 7
- 1280*800 screen resolution
- A faster processor

Programming Codes

JAVA programming codes has been used for developing the application user interface. PHP (Hypertext Processor) programming codes have been used for dynamic access. Extensible Markup Language (XML) and Cascading Style Sheets (CSS) codes are used for experiencing good appearance.

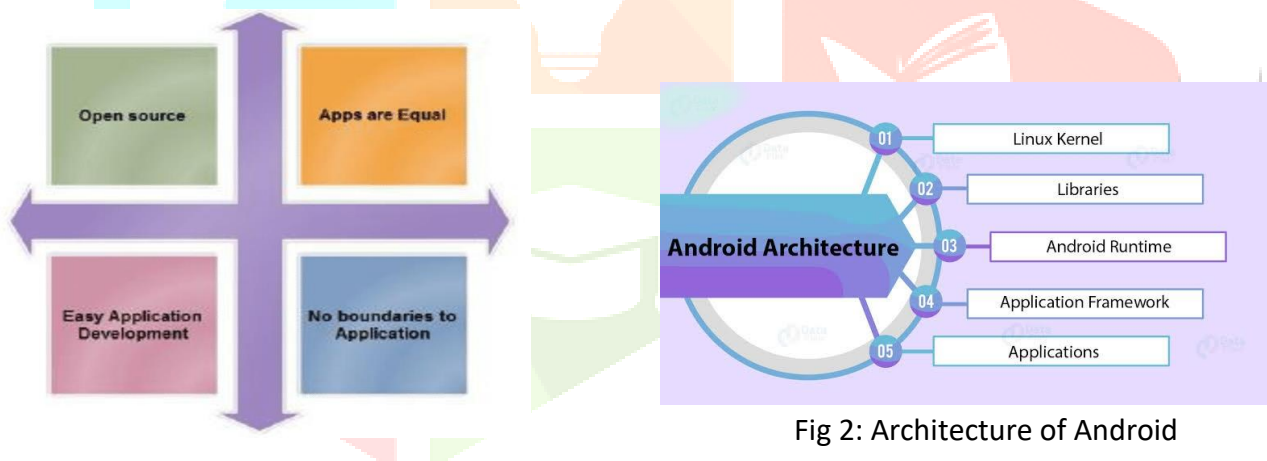


Fig 1: Core features of Android

Fig 2: Architecture of Android

Rojgaar- An Initiative

Since recent past years, the number of android users had grown very tremendously. India ranks second in the smartphone market in the world after China. Since September 2021, over 3.48 million applications are available on Google play store and this number is increasing very rapidly.

As we can see that the market of smartphones is vary vast. Why we cannot use this as a great opportunity for those who are lacking employment. There are so many applications available which are built for searching for the job but there are so many issues with them. Some have login issues, some not working properly, have bugging issues and so on. **“Rojgaar”** is a solution for all these problems.

Rojgaar is an android application which is basically developed for the people to search and apply for the job. Here people can easily search and apply for the job without any issues. They have to complete some

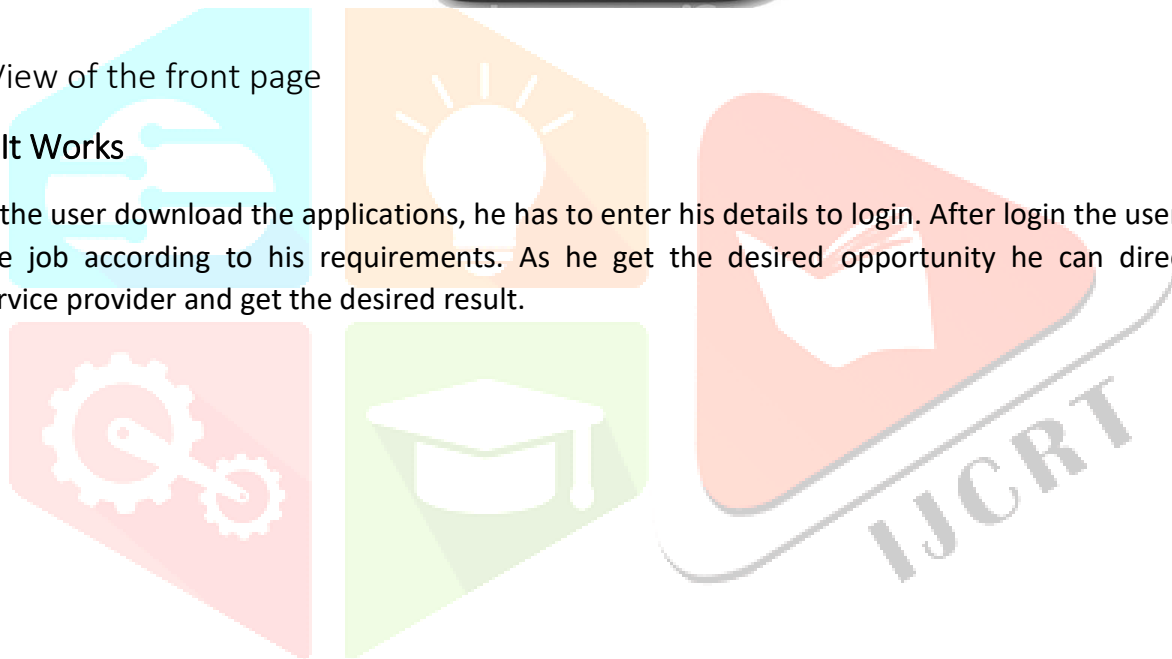
basic steps to get login. After that they can access all the opportunities and avail it according to their own choice. Here is the outlook of the application-



Fig: View of the front page

How It Works

Once the user download the applications, he has to enter his details to login. After login the user can search all the job according to his requirements. As he get the desired opportunity he can directly contact the service provider and get the desired result.



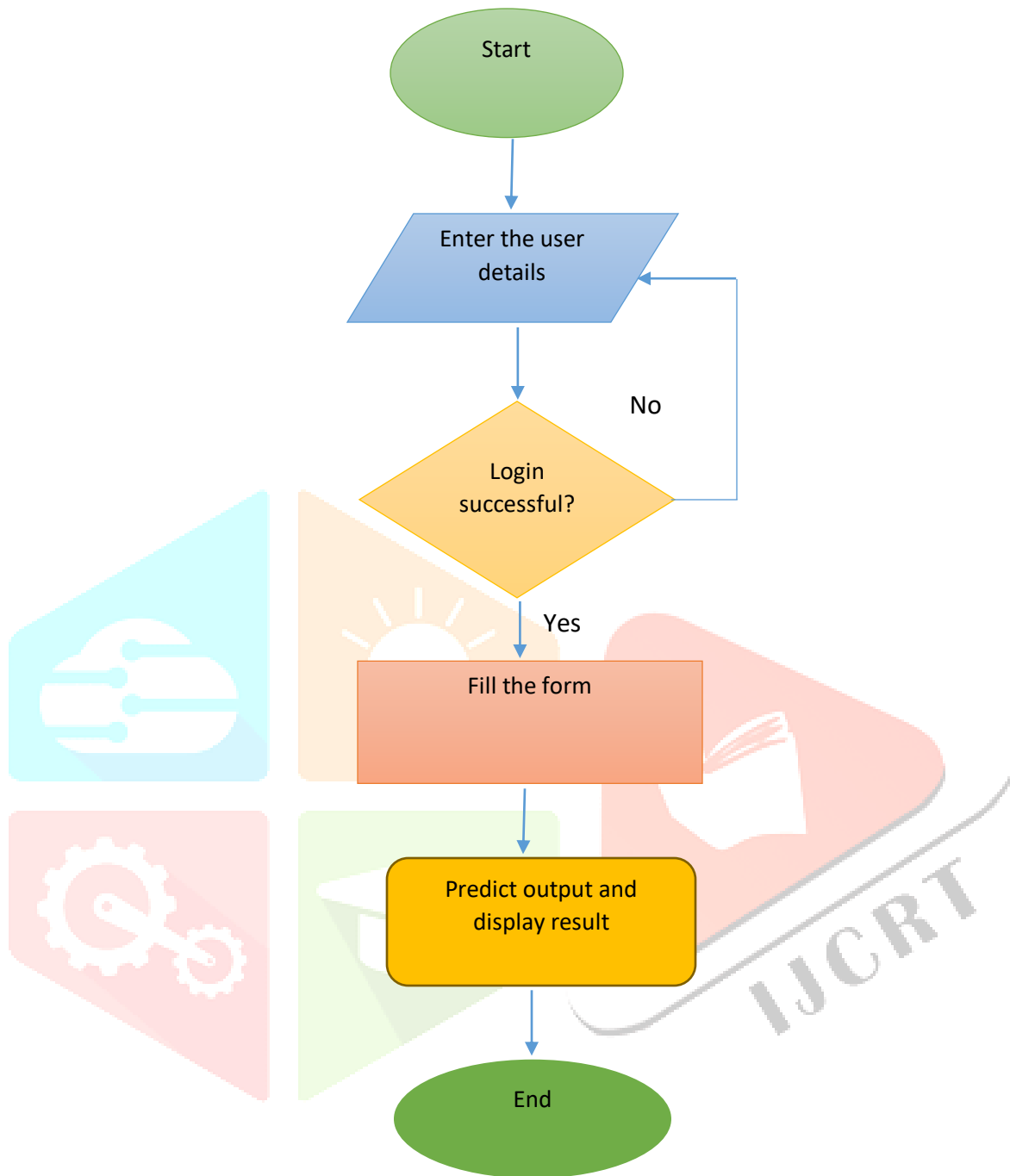


Fig: Flowchart to get login in the application



Fig (a)



Fig (b)

Fig: Options of the job opportunities available

LITERATURE SURVEY

India's digital journey is ebullience. The country had the world's second largest internet population at over 749 million users in 2020. Out of this large figure, 744 million users accessed the internet via their mobile phones. If the market of smartphones especially android is so vast why we cannot use it in eradicating the unemployment of India. The unemployment rate of India has grown at a very fast rate in recent last years. Since a large section of society had smartphone, this can be used as a tool which will help them in resolving their problem. We can see many applications had been built and are available for searching the job but the big issue with them is that they did not work properly. Some have login issues, bugging issues, some does not give proper information and so many other issues like this. So users are not comfort with them. If they want to apply for the job, they cannot do so due to these issues. Rojgaar is built as a solution for these issues. This application is especially built for the people who need job but do not had much high education qualifications. If they do not have much high education qualifications but have necessary skills and are eager to work they can opt here. This application is built to help people at local level over a small area. This approach can be further used to help large number of people for a large area with some editing and by adding some more functionalities.

CONCLUSION

This application is specially designed for a particular area over a small region. But there are several ways in which it can be utilized with a little more addition and editing. Thinking it especially for job purpose, it can be extended to a large area making it helpful to a large number of people in removing unemployment and improving their standard of life.

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