

requirements document



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**ROJGAR**

* BACKGROUND

We all are very well aware of the truth about, Cities provide more opportunities for people to grow economically. However, these opportunities are unequal because of knowledge asymmetry. How can we ensure that people have more equal access to better economic job opportunities?

Android application specifically desig­­­­ned for opening all job applications to employ village with best of their abilities. Separate physical office in each village to help every villager. This office will be directly connected to school and can help the teachers of government school to understand the market of employment .This office will have in depth knowledge of all jobs and will help each villager to work on the application.

* PURPOSE OF ROJGAR

ROGAR will be looking forward to providing employment opportunities in rural society of India, thereby ensuring jobs to those in need.

* Job will be listed as per user requirements.
* Jobs will be suggested according to the capability of the user (Undergraduates, Graduates, and Post Graduates).
* Regional language will be used to communicate (Hindi).
* Roadmap facilities are provided in premium section of the application.
* User gets to publish their own jobs.
* Build your connections by chatting with other users of similar interest.

Anyone above 18 years of age belonging from rural area can register on the application and fill all the required details such as qualification, working experience (if any), etc. can find jobs as per there requirements very easily.

* ASSUMPTIONS AND CONSTRAINTS

n/a

* RELATED DOCUMENTS

Privacy Policy documentation

Rojgar features documentation

* TECHNOLOGY STACK

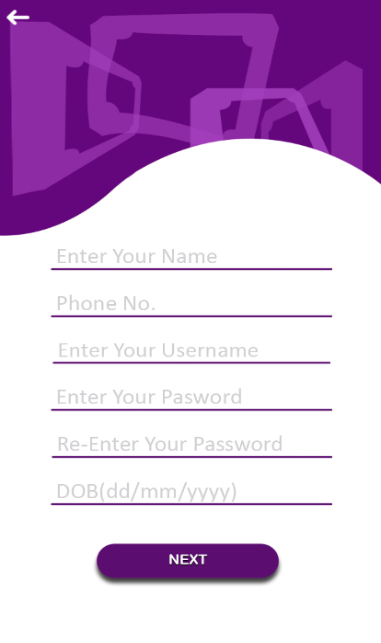
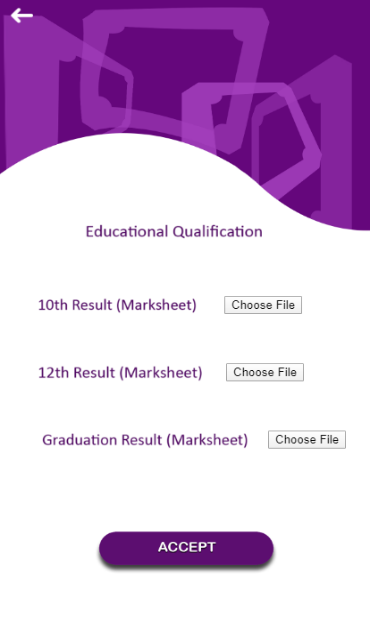
Our application will be Micro Services based Architecture which will contain Supervised Machine learning with Regression Algorithm of Decision Tree, which will help to predict the probability on which type of jobs user might engage in and will show the data accordingly. Our Application will first register User into our database with their respective qualification. Then we will direct them to our application. Inside our Application the Main Activity will contain Menu Drawer that will contain all jobs, tenders in public domain, freelancing work. Our Application will also be Bilingual (Hindi and English). Listed below are the major technology involvements in the application:-

* Android, Java
* Firebase
* ML (Python, surprise)
* RBM (Python)
* Neural Network (Python tensor flow)
* Smart Chat(Firebase)
* Google pay, Paytm, for online transaction (Black chain, Cryptography)
* Hashing function for hiding user’s personal data
* Protocols
* WIREFRAME

Above given sketch is self-explanatory and easy to understand. One can find jobs in four sectors i.e. public, Private, Freelancing and in Tenders if favorable job is found by the user in any of the sectors than user shall be directed to particular website of the job selected where that particular job is hosted by the particular organization and a road map will be provided to qualify that particular job.

* USER FUNCTIONALITIES

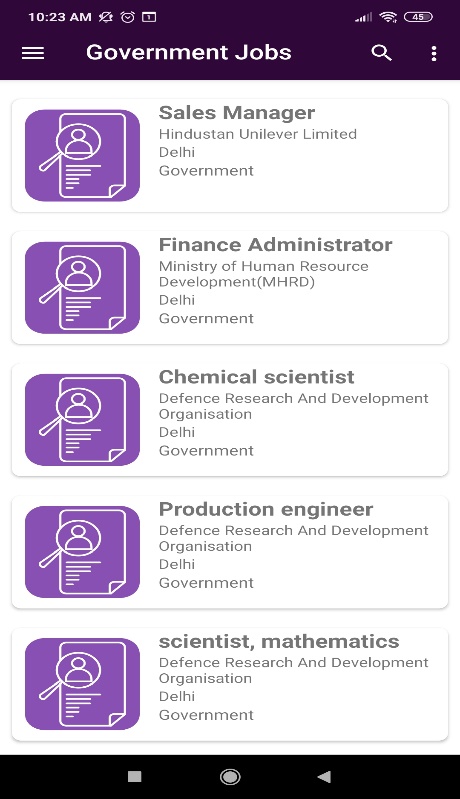
Our Application will first register the User into our database (with his/her qualification). Then we will direct them into our application. Before one heads into the application one needs to attach their mark sheets as asked. Inside our Application the Main Activity will contain Menu Drawer that will contain all jobs, tenders in public domain, freelancing work.

Once you fill your educational qualification you will be taken to home screen where in you can

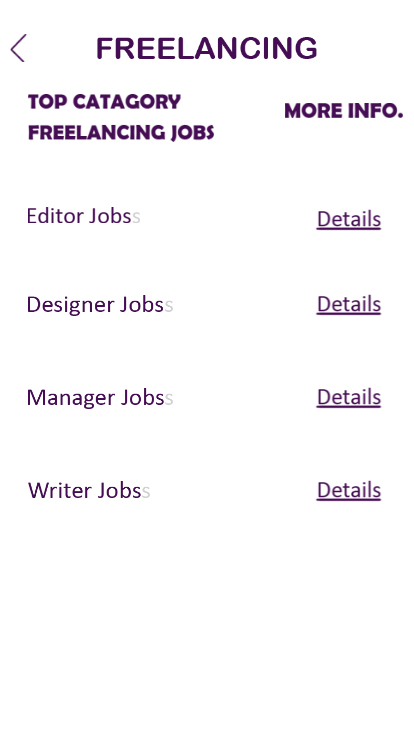
Choose any of the four sectors to find your suitable job.

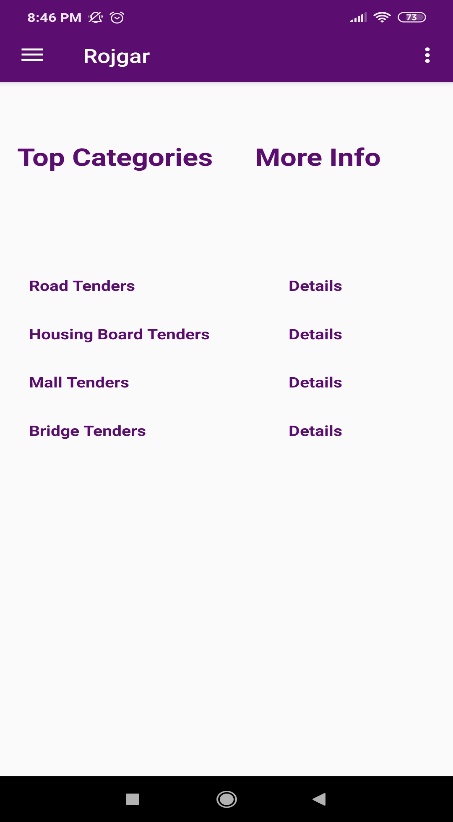
 

When the user chooses government jobs as an option then user will be directed to another page where in list of all government jobs will be provided. If you click on any occupation, then you shall be directed to the original website of that particular organization.



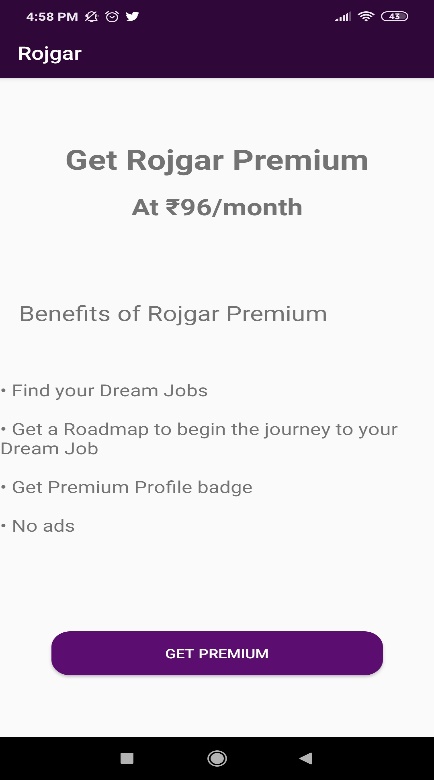
On clicking the Non– governmental job option user will get the list of all the private sector jobs available. Not just one but many kinds of job options will be provided to the users and every job will have enough vacancies for the users.

Freelancing jobs will also be provided to our users who are interested in work from home and also will be highly beneficial to those who are unable to work out be it any reason. This would help in encouraging job opportunities for women who can’t go outside of their home for work due to whatever reason. 

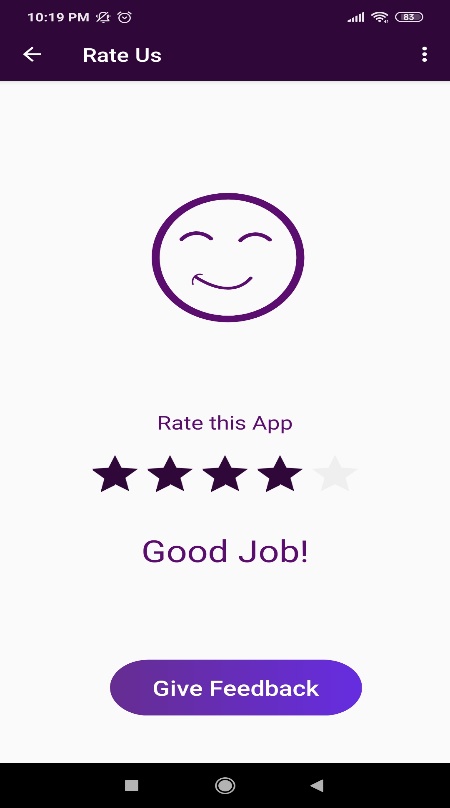


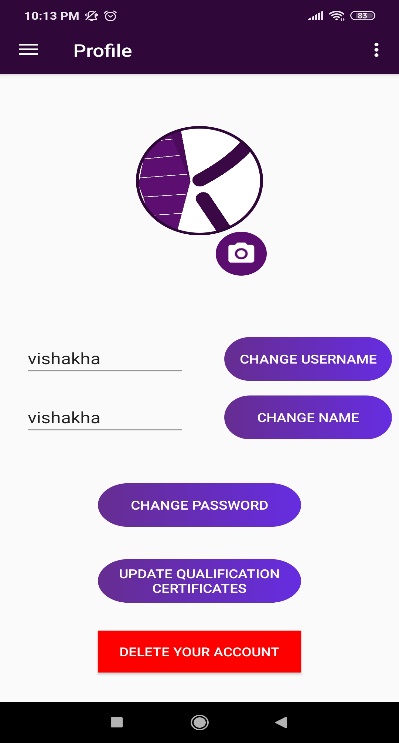
Jobs for tenders can be both private and government. To get their work done, they are circulated in public through newspaper etc. if a group of people can perform that task then they can apply for it.

Our premium version is high versatile and helps users in finding their dream jobs. Gives user a step by step roadmap to get them their dream job. No ads are published when you take the premium option in just rupees 96/ per month.

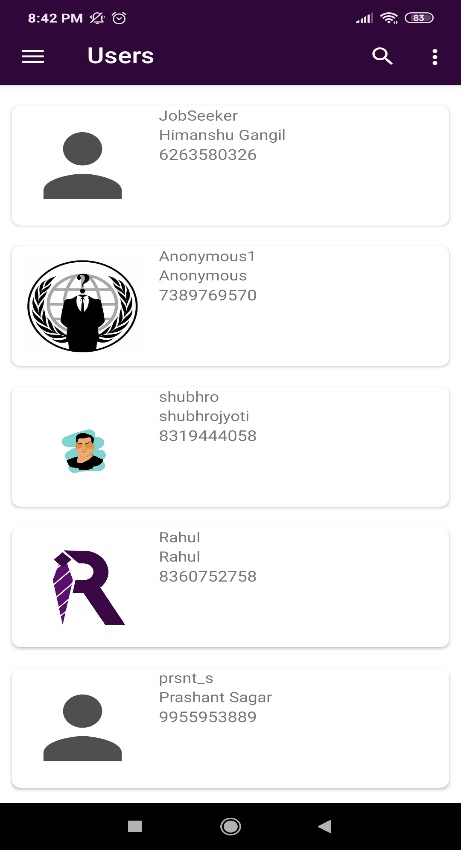


Rating the application feature is an easy way to give your feedback on the application. It might as well help the developers to knowing the scenario of the application.



Profile feature allows users, to update their profile picture. It asks you to change your username depending upon the user’s choice, Users can also change passwords, and even can delete the account.

Users have a chance to interact with other users of similar interest, with the build your connections feature.Communication is always a good way to learn more and enhance the skills.



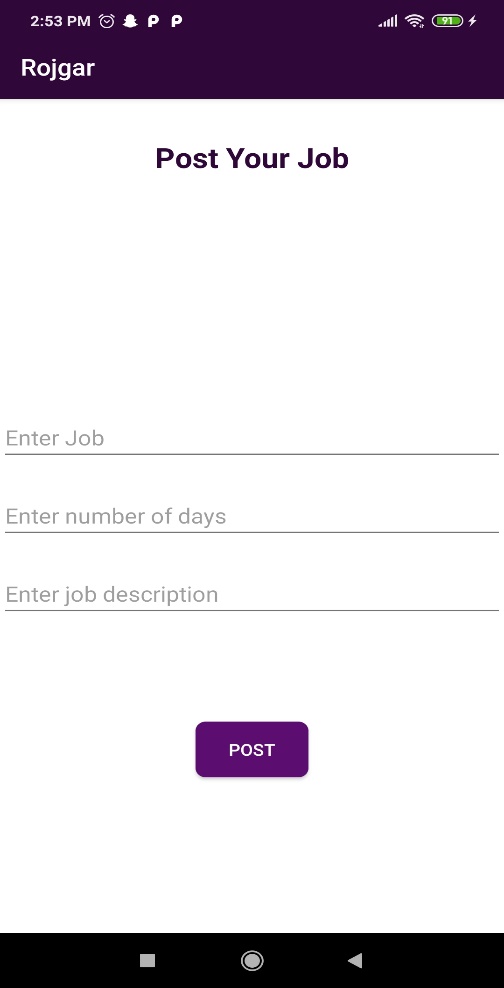
Top jobs is a great way to explore some of the highest jobs available for the users. Users with good knowledge and qualifications can apply for this and check out the best jobs available to them. Users can search and find jobs as per their choices.



Hiring is made very convinient for users , they can publish their own jobs . If users have their known start ups and are in need of workers / co workers etc. This feauture is highly suitable for them .



If users want to uplift their small scale business. They can post their jobs into it and buyers can communicate to them. This way Rojgar is not only supporting jobs but also leading towards self employment.



* KEY FEATURES
* Recommending different jobs as per the qualification and related factors (recommendation model).
* User can now enjoy the advantages of premium at very descent price.
* Users have the advantage to choose jobs on the basis of various sectors available.
* This would allow youth to choose the career as per their desired goal hence, suggesting stream in order to achieve their dream career.
* Teachers and parents will be aware of the current market situation or job scenarios so they can guide their students well.
* Rural development advancement as 68.84% of India’s population resides in rural community.
* FUNCTIONAL REQUIREMENTS

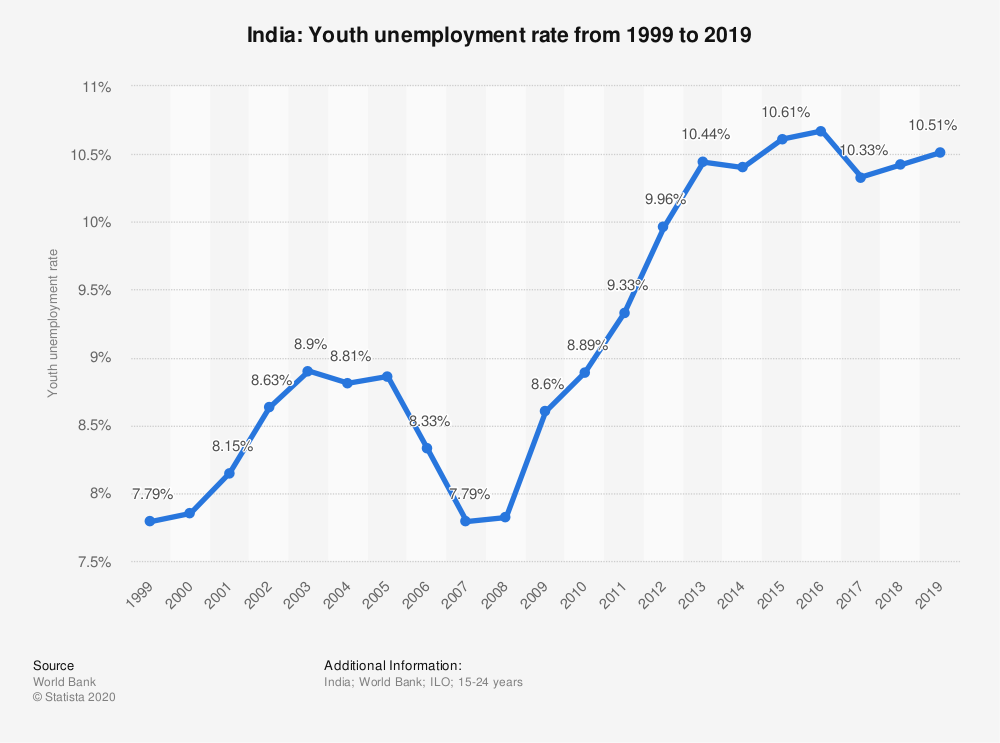
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| --- | --- | --- | --- |
| REQUIREMENT  ID | REQUIREMENTS STATEMENT | MUST/  WANT | COMMENTS |
| FR001 | The application should have a home  Page which lists the purpose of it. | MUST | n/a |
| FR002 | One extra page for phone number authentication shall be compulsorily  Provided for verification if user forgets the password. | WANT | Name, Phone number has to be compulsorily mentioned. |
| FR003 | Application will be containing a “Feedback” form for users to rate our services. | MUST | Star rating will be provided to users. |
| FR004 | Facilities like “banking” in rural area would help people in easy access to money withdrawal or transfer. | MUST | Info regarding nearby banks will be mentioned clearly. |
| FR005 | Users not yet graduated can also register into application, considering they are matriculated. | MUST | Graduation is compulsory. |
| FR006 | Email id of all the developers of the application must be provided in the separate page. | MUST | This would allow users to communicate with developers. |

* NON- FUNCTIONAL REQUIREMENTS

n/a

* APPENDICES

Our objective behind framing the document is to give the clear and detailed view point of our project and how can our project help the rural sector of India to raise a better future. As the fact is very much known to all Indians, unemployment is one of the major problem that has arose a lot. If we take a look at the graph we can clearly see the fall in employment from rural sector is adverse.



Our motive behind this is to encourage employment in the country so that there is 90 percent of employment rate in rural sector of our country if not 100 percent. At least we can be a help in serving our nation. Our future plan would be to provide more such services to the rural society so that we can increase the employment rate in India. Our initiative can help millions of users belonging from rural community and would lead them to have better future.



This application is not restricted to rural society but also urban society users can use the application for their benefit. As education rate is very weak in our society therefore employment has been hindered which is why our application provides various sectors to users so that whichever job suits them as per their qualification can permit them their required job.

* FUTURE OBJECTIVES: -

Our future objective is to come up with the best possible solution for the society which can give them maximum benefits and also we want to be as flexible as possible with our work. We should be able to say, we are 100 percent sure of providing employment to the nation. We shall also be updating the app at time to time basis, so that each time it comes out to be more user friendly.