

A Project report

on

L HELP

Submitted By

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DHARWAD

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1 .ABSTRACT (SUMMARY) :

Labour help is basically a software-based application aimed to link employers and employees to meet each others needs in different sectors, so that the work of both employee and employer are properly justified with proper coordination .The product will work as a complete user interface between Employer and employee . The software can be used by any existing or novice employee or employer for registering, updating ,editing ,requesting and checking status as and when required.

2 .INTRODUCTION :

The main intention behind choosing the project is to provide skilled and unskilled labourers to the three vital sectors of our society,which are Agriculture,Construction and Industrial sectors.It also aims to help poor unemployed labourers and needy people in order to meet their daily needs, which could also help to raise the economic growth of our nation.

2A. PROBLEM STATEMENT :

EMPLOYER'S POINT OF VIEW :

Now a days there's a scarcity of skilled employees to complete the work efficiently.Our project will be a bridge to solve this problem effectively.This becomes a serious problem to find labourers in right situation to complete the task within the allocated time which becomes crucial for his profession as a whole.

EMPLOYEE'S POINT OF VIEW :

Day by day the number of unemployee's in our country is increasing rapidly.Various organisations,NGOs and self help groups (SHGs) find it difficult to solve this problem.Labour help could be a digitalised and modern solution to curb this problem in a much productive way.This brings in contact of the people who are searching working labour force and people who are searching for job..

2A. STATE OF ART WORK :

As per sources and our knowledge we found that no such resource exists which connect the normal people who are searching for a job to work and people who are offering jobs in Agriculture,Industry and Construction sectors.Our project ensures the safety of both Employee 's and Employer 's details in respective domains.It ensures the transparency of each and every

transactions. If it is given more details it can be further developed into an app which can deal with various other technical problems.

3. SRS :

3.1 DEFINITIONS, ACRONYMS AND ABBREVIATIONS

3.1.1 AUDIENCE DEFINITIONS :

The intended audience of this project are the developers of software, employers, employees and the Database managers. Any suggested changes on the requirements specified on this project would be included in the latest version of it so it can be a reference to the developing and validating teams.

3.1.2 ACRONYMS AND ABBREVIATIONS :

UML-unified modelling language.

IEEE-Institute of Electrical and Electronics Engineers.

SRS- software requirement specification.

3.2.OVERALL DESCRIPTION :

3.2.1 PRODUCT PERSPECTIVE :

This project is a replacement for the traditional way of interaction/communication between distant employee with the respective employer.

3.3 PRODUCT FUNCTIONS :

3.3.1 ADMINISTRATORS :

- a. The admin of the software has the authority to add a new employer/employee, remove an existing employee/employer and improve the user interface as well.
- b. Can accept a new user depending on his status as well as based on certain terms and conditions.
- c. Remove an already existing employee based on his/her performance. Also provide labourers to the employer subjected to certain employer welfare policies.

3.4 NORMAL USERS :

- a. The employer or employee should be provided with the updated information of the available labourers and jobs respectively.
- b. The employer/employee are given the access to check their account details and change it whenever required.
- c. The users have the capability to search for the labourers or jobs in their respective sectors of employment.

3.5 OPERATING ENVIRONMENT :

This project is operated using the concept of files in c++ and by enabling the object oriented features. The files for the employees and the employers are created separately to store their information and enable the privacy for the respective users by allowing them alone to view and edit their details.

3.6 USER CHARACTERISTICS :

The users of this project are administrators, employers and employees who avail the services. The employers and employees are assumed to have basic knowledge of using smartphones. Administrators of the project should have more knowledge of internal structures of the system and are able to rectify the problems that may arise due to malfunctioning of the database or during system crashes due to overload of users.

3.7 DESIGN AND IMPLEMENTATION CONSTRAINTS

- a. The software has the capacity to run throughout the day for 24 hours.
- b. Users must have the correct usernames and passwords given by them at the time of registration to login successfully.
- c. The user informations are stored in the database in the form of files.

3.8 ASSUMPTIONS AND DEPENDENCIES

Files are used to store data and information and are imported as and when they are required.

3.9 EXTERNAL INTERFACES REQUIREMENTS

3.9.1 USER INTERFACES

Login interface:

In case the user is not registered yet he can enter his or her details and register. The user is asked to type his or her mobile number and password. If the user entered invalid mobile number or

password, an OTP(one time password) is directed to the registered mobile number and then redirected to login page.

*Search

*Categories view.

*Payment

3.10 SOFTWARE INTERFACES

1.Files are used to store the details of employer and employee respectively.

2.operating system.

3.11 FUNCTIONAL REQUIREMENTS

3.11.1 Data Base Manager :

Delete employee/employer:

The employee is rejected or his request is not accepted by the database manager in case if he is not active on the website since a long period of time.

Job assignment:

In case of employees the requested job vacancies are displayed based on the satisfied job amenities such as good medical health, required skills, etc. In case of employers the respective employees details allotted for the job are displayed if the estimated cost is accepted by the employer.

3.11.2 Normal User

Registration:

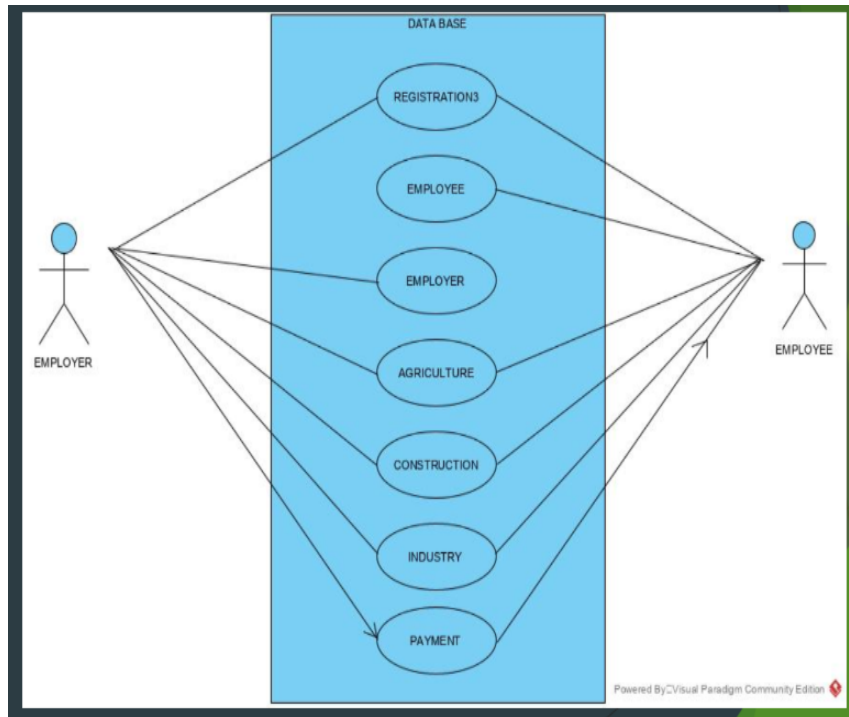
When the user enters for the first time he is asked to register.

Edit details:

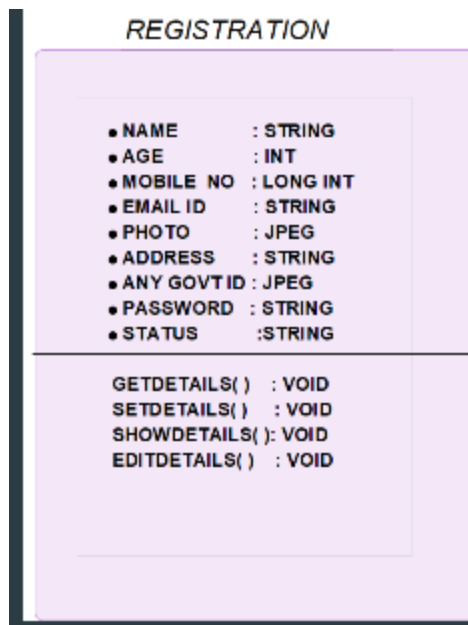
The user can edit or update his/her details by logging in into their respective accounts under the edit section.

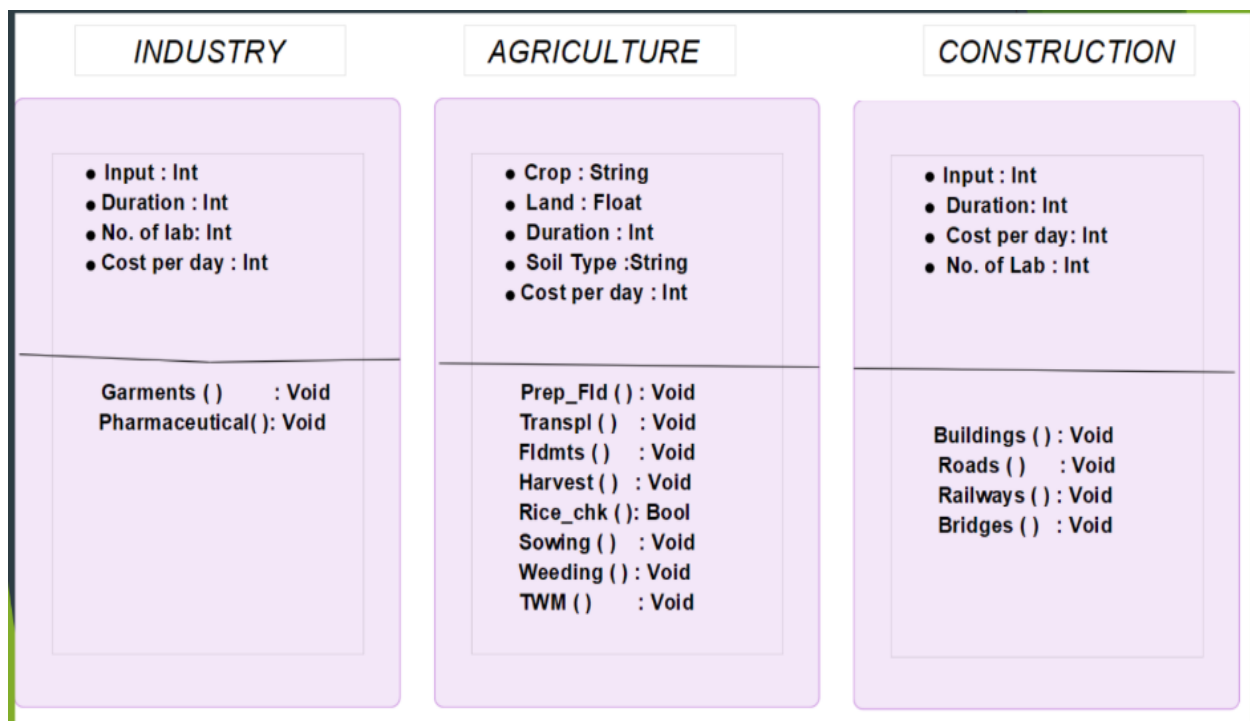
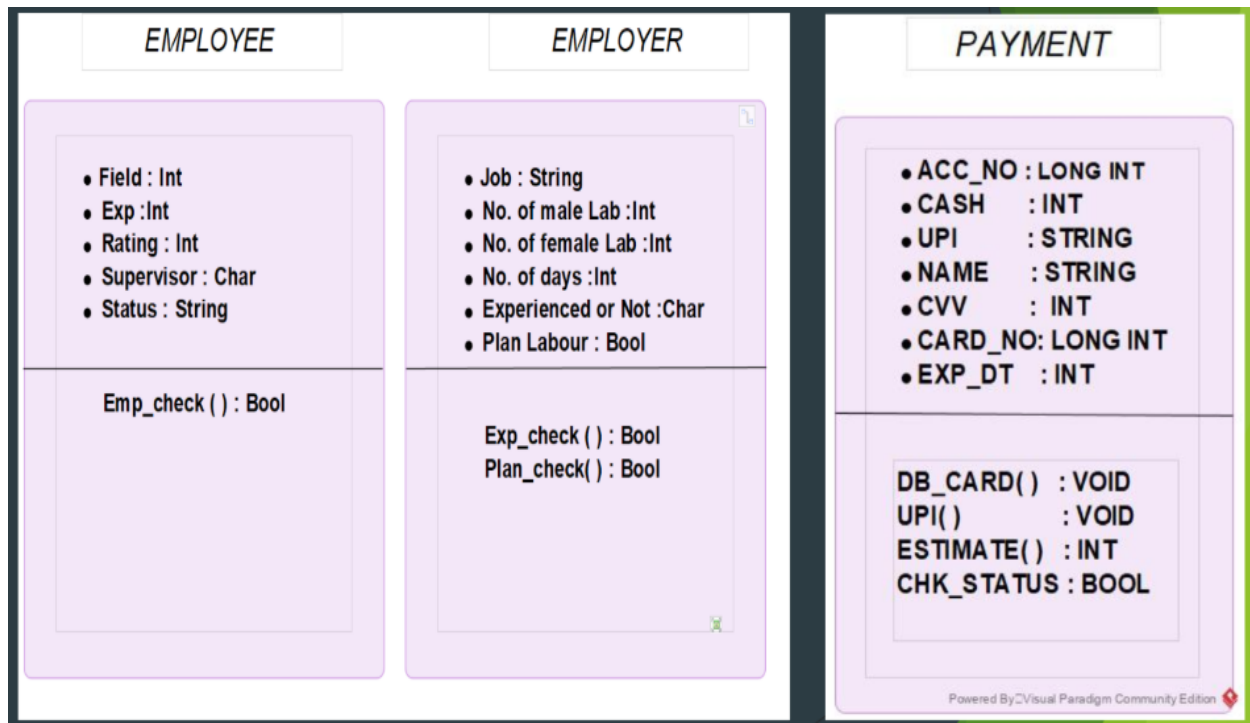
4. DESIGN :

USE CASE DIAGRAM :

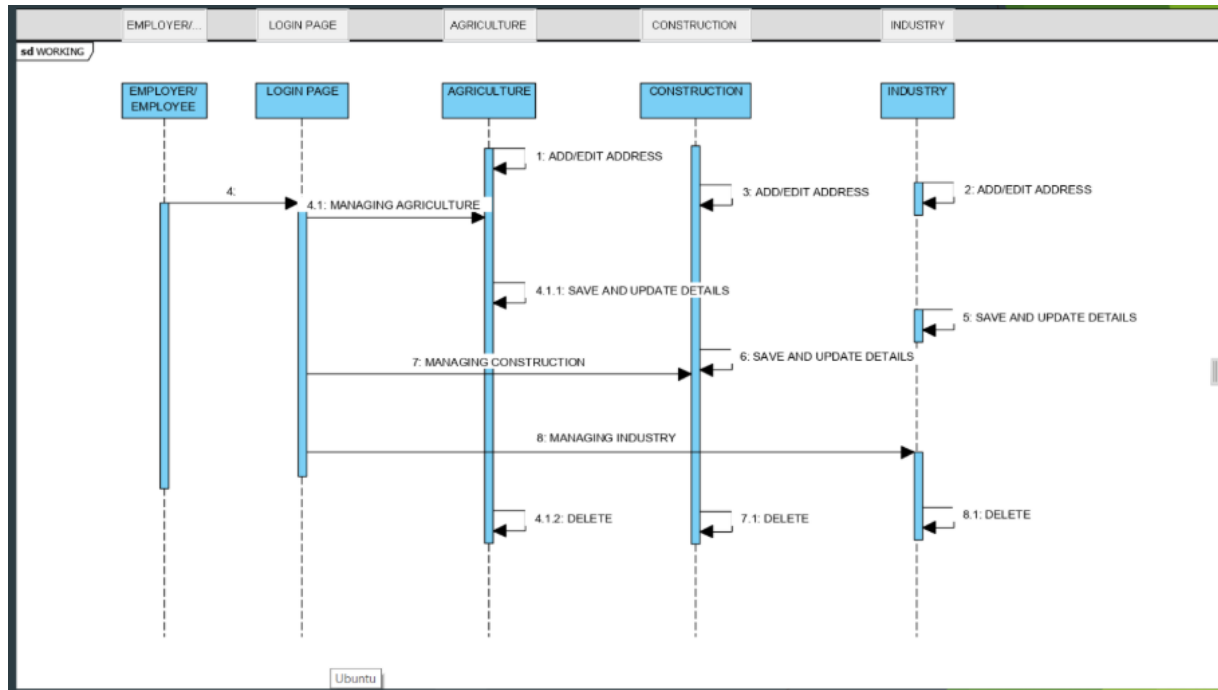


CLASS DIAGRAMS :

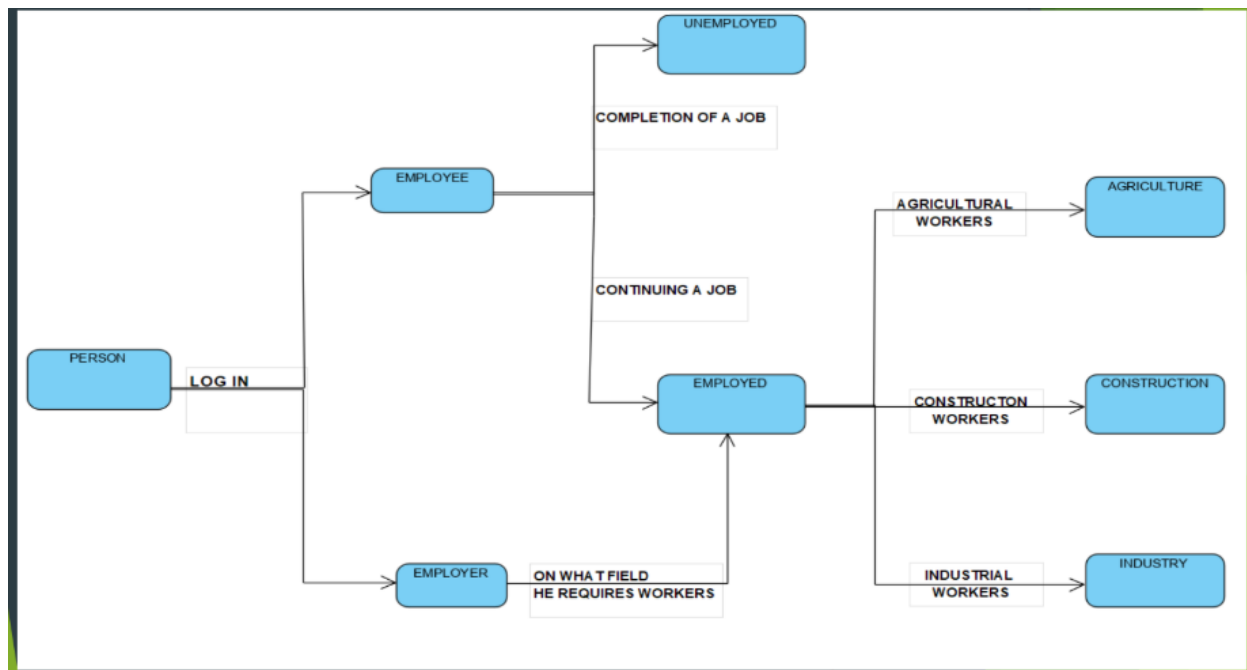




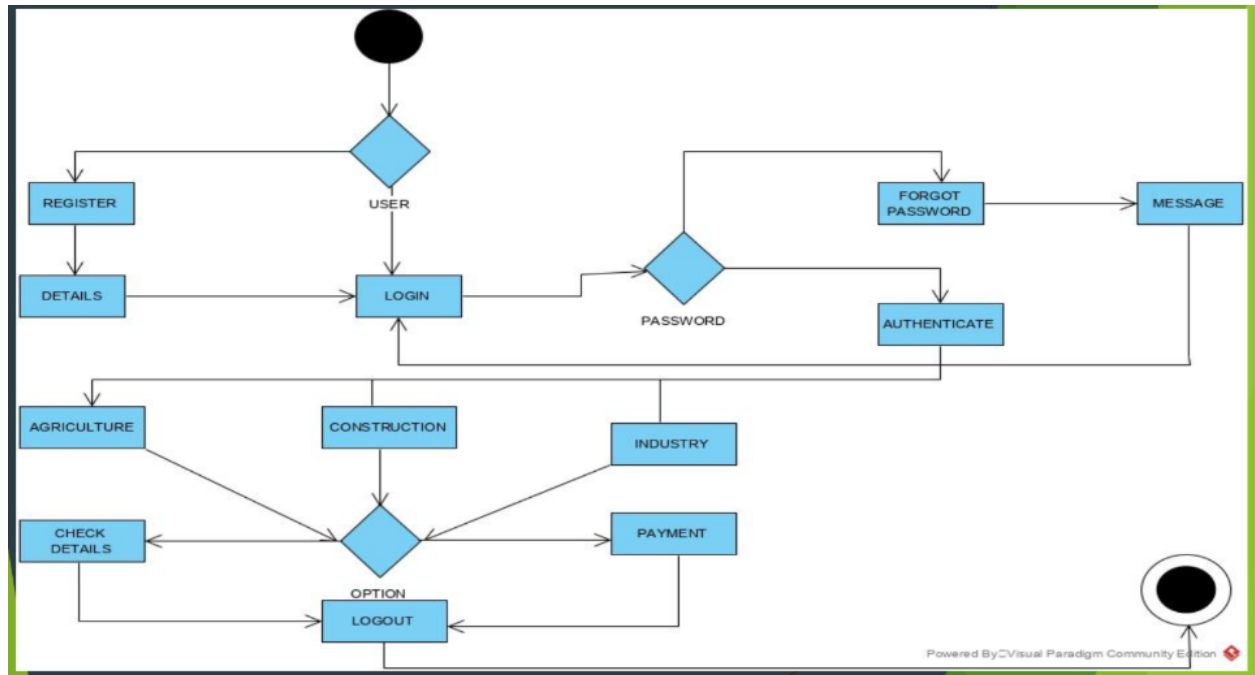
WORKING SEQUENCE DIAGRAM :



STATE DIAGRAM :



ACTIVITY DIAGRAM :



5. RESULTS :

5A. IMPLEMENTATION(No Code):

```
File Edit View Search Terminal Help
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
1
Enter your name :
Karthick
Enter your age :
23
Enter the Mobile Number :
9870654321
Enter the Email ID :
pskarthi15@gmail.com
Enter your current address :
Akshay_colony,hubli
Enter your current status      EMPLOYEE OR EMPLOYER
EMPLOYEE
1.NAME :Karthick
2.AGE :23
3.MOBILE_NO :9870654321
4.EMAIL ID :pskarthi15@gmail.com
5.ADDRESS :Akshay_colony,hubli
Enter the field in which you want to work
agriculture
construction
industry
agriculture
Enter your years of experience
3
Enter your level of qualification: 1.Higher secondary or school 2.degree
1
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
2
1.NAME :Karthick
2.AGE :23
3.MOBILE_NO :9870654321
4.EMAIL ID :pskarthi15@gmail.com
5.ADDRESS :Akshay_colony,hubli
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
3
Your Profile Details are :
1.NAME :Karthick
2.AGE :23
3.MOBILE_NO :9870654321
4.EMAIL ID :pskarthi15@gmail.com
5.ADDRESS :Akshay_colony,hubli
Enter the Detail No. to be changed :
```

```

File Edit View Search Terminal Help
Enter the Detail No. to be changed :
5
Enter the Address :
Adyar,chennai
Your Profile Updated Successfully !
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
2
1.NAME :Karthick
2.AGE :23
3.MOBILE_NO :9870654321
4.EMAIL ID :pskarthi15@gmail.com
5.ADDRESS :Adyar,chennai
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
1
Enter your name :
Ragavan
Enter your age :
18
Enter the Mobile Number :
7865436822
Enter the Email ID :
ragavanpal@gmail.com
Enter your current address :
ITpark,hubli
Enter your current status      EMPLOYEE OR EMPLOYER
EMPLOYER
1.NAME :Ragavan
2.AGE :18
3.MOBILE_NO :7865436822
4.EMAIL ID :ragavanpal@gmail.com
5.ADDRESS :ITpark,hubli
In which field do you require labourers
agriculture
construction
industry
Please enter the input as strings
construction
Are you a well experienced employer:
1.Yes 2.No
2
Don't worry we plan labourers for you in a cost efficient and standardised manner:
Planning.....
1.Roads
2.Buildings
3.Railways
3

```

```
File Edit View Search Terminal Help
Enter the Detail No. to be changed :
5
Enter the Address :
Adyar,chennai
Your Profile Updated Successfully !
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
2
1.NAME :Karthick
2.AGE :23
3.MOBILE_NO :9870654321
4.EMAIL ID :pskarthi15@gmail.com
5.ADDRESS :Adyar,chennai
##### WELCOME TO LABOUR HELP FOR AGRICULTURE,CONSTRUCTION AND INDUSTRY SECTORS #####
Enter the option :
1.Enter your details
2.show details
3.Edit details
1
Enter your name :
Ragavan
Enter your age :
18
Enter the Mobile Number :
7865436822
Enter the Email ID :
ragavanpal@gmail.com
Enter your current address :
ITpark,hubli
Enter your current status      EMPLOYEE OR EMPLOYER
EMPLOYER
1.NAME :Ragavan
2.AGE :18
3.MOBILE_NO :7865436822
4.EMAIL ID :ragavanpal@gmail.com
5.ADDRESS :ITpark,hubli
In which field do you require labourers
agriculture
construction
Industry
Please enter the input as strings
construction
Are you a well experienced employer:
1.Yes 2.No
2
Don't worry we plan labourers for you in a cost efficient and standardised manner:
Planning.....
1.Roads
2.Buildings
3.Railways
```

7. CONCLUSION AND FUTURE SCOPE :

7.A. CONCLUSION :

In this project we have used the most famous object oriented programming paradigm C++ .This has covered most of the real life issues and attempted solving it effectively.The enhanced feature of this project could be assured to solve most of the toughest real time issues.Design procedure and output reports are presented in this project report .This design is easy to understand that any new modules can be incorporated easily.

7.B. FUTURE SCOPE : This Initiation can be further developed as an app or as a startup. The people will be benefitted one or the other way financially and morally.

8. REFERENCES (ref IEEE format) :

- * IEEE 830-1998 Standard for writing SRS document
- * Object Oriented Language: By E Balaguruswamy
- * I Sommerville, software engineering, 8 th edition,
- * Addison Wesley, 2007.
- * Website <https://1000projects.org/>