

Nearest Vocational Job Finder Software Lab Project

PhantomTroupe

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9 September, 2020

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1 Introduction

Nearest vocational job finder is a website which is designed for the people who has difficulty in finding vocational job like Electrician, Plumbing etc. There are people who posses relevant skills but don't have the medium to find such jobs. This Platform will help such people to find the jobs in their nearby area related to their skills which will help them to earn money. The existence of such platform are even more required in a situation like covid-19 in which many people have lost their jobs. This web app will also be helpful to job provider as this will also help them to get their work done at reasonable price.

This web application which acts as a platform to publish , identify and optimistically match service providers to service receivers based on their location, job start time, job start date, skill required etc. In this app a user can register as a one out of three profile type, He can be job provider, job seeker or can be both. Depending on his profile type his view of the website is slightly changed. Job seeker and both profile type can see job sorted job notification and manage their applied job whereas job provider and both profile type can post a job and manage job responses. The platform is designed keeping in mind ease of usage so it is kept very simple.

2 Motivation

In the wake of the global pandemic, there has been a huge disturbance in the service market, both organized and unorganized. The organized sector from some time now has had many platforms (like Monster India, Indeed .etc) to publish and find stable full-time work. But such platforms are not appropriate to post nearby vocational jobs like Plumbing, Electrician, Nursing aides, Carpenters etc. These jobs arise at the need of the hour and current location of the service provider as well as job location is of utmost importance. Our idea is to develop a web application which can act as a middleman for service exchange in these sectors.

3 Dependencies

- Python3
- Django
- Postgresql

4 User Documentation

- `sudo apt-get install python3.6`
To install Django on ubuntu, run the following command in your terminal.
- `pip3 install django`
- install postgresql
to download the postgresql click on the below link :
<https://www.postgresql.org/download/>
after installation:
 1. create database with name NVJF with default user postgres and password="1234"(without quotes)
 2. check your port no in settings.py
- `pip3 install django`
- `pip3 install social-auth-app-django`
- `pip3 install psycopg2`
One needs to git clone the project. After that open terminal in main directory and run following commands.
- `python3 manage.py makemigrations`
- `python3 manage.py migrate`
- `python3 manage.py runserver` All the functionalities and how to use them is depicted ahead.

4.1 Login Page

The user will see this page whenever he visited a website. He can login using his G-mail account or create one at that time if he don't one.



Nearby Vocational Job Finder

In the wake of the global pandemic, there has been a huge disturbance in the service market, both organized and unorganized. The organized sector from some time now has had many platforms to publish and find stable full-time work. But such platforms are not appropriate to post nearby vocational jobs like Plumbing, Electrician, Nursing aides, Carpenters etc. These jobs arise at the need of the hour and current location of the service provider as well as job location is of utmost importance. This web application act as a middleman for service exchange in these sectors.

 Sign in with Google

Choose an account

to continue to [django job try](#)



Ajay Jain
ajayjain024@gmail.com



Anjana Jain
jainanjana0024@gmail.com

Signed out



Ajay Sarup Jain
203050036@iitb.ac.in



Use another account

To continue, Google will share your name, email address, language preference, and profile picture with [django job try](#).

English (United States) ▼

[Help](#)

[Privacy](#)

[Terms](#)


4.2 Make profile

The first time user has to fill a small form which will capture some important details and save it in our server.

NVJF

My ProfileLogout

Profile :

Avatar: 

Choose file

No file chosen

Name:

Email:

Mobile No:

Aadhar card No:

Choose your Profile: ☒ Job-seeker only ☐ Job-provider only ☐ Both

Choose your skills: ☐ Carpenter ☐ Driver ☐ Dog Walker ☐ Washer
☐ Plumbing ☐ House Cleaner


Submit

4.3 Job feed notification

If user is registered as job-seeker or both as a profile type, both will be re-directed to this page. This was the page where all new posted jobs were seen in a sorted order of distance. Here user can also apply various filters like price, skills required or by typing relevant words in search box. This will help him to find relevant jobs easily.

This job feed Notification is seen by user whose profile type is both. For a person whose profile type is Job seeker will see same page but less options in navigation bar as he will not be able to post jobs.

First image shown below is the view seen by profile type both and second image that is below it is the view seen by profile type job seeker only. You can notice the only major difference is in the navigation bar.



Filter by titles

Carpentry

Plumbing

Washer

Driver

Dog walker

House Cleaner

Filter by Money

5000

Search..

Nov. 25, 2020,9 a.m.

Price:4000

Required a dog walkers to walk dogs on agreed-upon routes and schedules, provide food and water, and dispose of waste products. Also, provide companionship during work hours or vacation absences as well.

View More

L block, connaught palace, New Delhi

Dec. 5, 2020,8 a.m.

Price:12000

Uses a working knowledge of electrical systems to conduct maintenance, fault-finding, and diagnostics on existing systems. Installs new electrical systems, including lighting and heating, to customer standards and to maintain those systems while upholding safety guidelines and complying with codes and regulations

View More

yamuna vihar, b block, Delhi

Nov. 21, 2020,10 a.m.

Price:9000

The Residential Cleaner will be responsible for cleaning and maintaining the household and its surrounds. Your responsibilities will include sweeping, washing, dusting, mopping, vacuuming, scrubbing, and sanitizing all areas and surfaces. You should also be proficient in making beds, and ironing and folding laundry.

View More

C block, Lucknow, Uttar Pradesh

127.0.0.1:8000/need/#

NVJF
New Jobs
Applied Job
My Profile

Filter by titles

Carpentry
Plumbing
Washer
Driver
Dog walker
House Cleaner

Filter by Money

5000

Nov. 25, 2020,9 a.m.
Price:4000

Required a dog walkers to walk dogs on agreed-upon routes and schedules, provide food and water, and dispose of waste products. Also, provide companionship during work hours or vacation absences as well.

View More

L block, connaught palace, New Delhi

Dec. 5, 2020,8 a.m.
Price:12000

Uses a working knowledge of electrical systems to conduct maintenance, fault-finding, and diagnostics on existing systems. Installs new electrical systems, including lighting and heating, to customer standards and to maintain those systems while upholding safety guidelines and complying with codes and regulations

View More

yamuna vihar, b block, Delhi

Dec. 10, 2020,9 a.m.
Price:12000

Cleaning, cooking and doing the laundry. Scheduling and overseeing property maintenance. Coordinating other household management activities. ... Advising household owners in housekeeping matters.

View More

Mandi, Himachal Pradesh

Nov. 21, 2020,10 a.m.

127.0.0.1:8000/feed/#

4.4 Job Details

On any job shown in New job notification page above if you click on view more button then the whole description of that job with images related to the work to be done, address where job is located and details of the job provider can be seen. Through this page job seeker can apply for the job through the portal by clicking on apply button which is at the bottom of the page

9

Job Details :



Builds or repairs cabinets, doors, frameworks, floors, or other wooden fixtures used in buildings, using woodworking machines, hand tools, or power tools. Assembles and fastens materials to make frameworks or props, using hand tools and wood screws, nails, dowel pins, or glue

Date :
Dec. 1, 2020 , 2 p.m.

Money : 20000


127.0.0.1:8000/job_info/#



Address : Andheri East , Mumbai

Job provider Details :





Name :Mahender Patel

Email id :mahender@gmail.com

Mobile no :7689012345

Apply

4.5 Applied Job

In the navigation you can see the options of Applied job. Using this option you will be able to track the status of your job whether your job is Approved or its approval is still waiting. Here you can also see the jobs you have successfully completed in past and the jobs you have applied to in past but not able to get. In page he can also able to delete the job he has applied for by clicking on delete button.

NVJF

New Jobs

Applied Job

Posted Job Responses

Post a Job

My Profile

Logout

Applied Jobs:

Approved Jobs

Current Approval Awaiting Jobs

Past Approved Jobs

Past Not responded Jobs

When : Dec. 10, 2020,9 a.m.

Money :

Cleaning, cooking and doing the laundry. Scheduling and overseeing property maintenance. Coordinating other household management activities. ... Advising household owners in housekeeping matters.

Delete

Mandi, Himachal Pradesh

4.6 Post a Job

This option in navigation is visible only if your profile type is both or job provider. Using this you will be able to post a new job for which you are looking for people. This is a simple form which required to fill small details like job description, address,date,time, price and relevant image related to work.

NVJF
New Jobs
Applied Job
Posted Job Responses
Post a Job
My Profile
Logout

Add a job :

Job Description:
Briefly Define your Job specifics

Your Email:
ajayjain024@gmail.com

Mobile No:
Enter Mobile No.

Pay:
Enter your pay price

Date:
dd/mm/yyyy

Time:
--:-- --

Choose skills required for job:

☐ Carpenter
☐ Driver
☐ Dog Walker
☐ Washer

☐ Plumbing
☐ House Cleaner

Address :

Enter Address and click Locate

Enter you Address
Locate

Upload Images :
Choose Files
No file chosen

Submit

4.7 Posted Job Responses

This option in navigation is visible only if your profile type is both or job provider. Using this you will be able to see who have applied to the all the jobs you have posted with his details by clicking on view responses. There is another button mark as completed which helps you to mark job successfully

completed.

The screenshot displays the 'Job Responses' section of the NVJF application. The top navigation bar includes links for 'NVJF', 'New Jobs', 'Applied Job', 'Posted Job Responses' (which is active), and 'Post a Job'. On the right, there are links for 'My Profile' and 'Logout'.

The main content area is titled 'Job Responses :'. It features a sidebar with 'Upcomming Jobs' (highlighted in blue) and 'Past Jobs'. The main area lists two jobs:

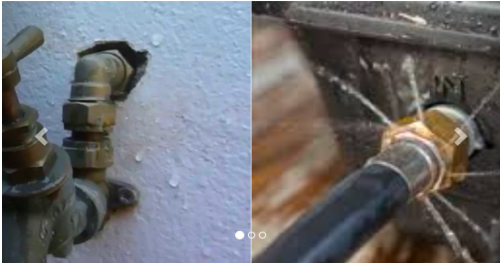
- Job 1:**
 - When :** Nov. 28, 2020,3 p.m.
 - Money :** 3000
 - Description:** Install, repair, and maintain pipes, valves, fittings, drainage systems, and fixtures residential structures. The building is old so its taps are leaking from many places.
 - Location:** B BLOCK, GANDHI NAGAR, Gujrat
 - Buttons:** 'View Responses' and 'Mark job as Completed ?'
- Job 2:**
 - When :** Sept. 12, 2020,noon
 - Money :** 9000
 - Description:** need
 - Location:** Bhopal,Madhya pradesh
 - Buttons:** 'View Responses' and 'Mark job as Completed ?'

At the bottom left, there is a small text element: '127.0.0.1:8000/posted_job_response/#'.

4.8 View Response

If you click on view response button you will be able to see all the job seeker who have applied to the job you have posted and then you will be able to select a one or more person for the job depending on requirement by clicking on select button which is provided adjacent to each job response you have got.

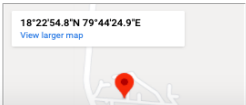
Job Responses :



Install, repair, and maintain pipes, valves, fittings, drainage systems, and fixtures residential structures. The building is old so its taps are leaking from many places.

Date :
Nov. 28, 2020 , 3 p.m.

Money : 3000



127.0.0.1:8000/show_job_responses/#



Address : B BLOCK, GANDHI NAGAR, Gujrat

Job Responses :

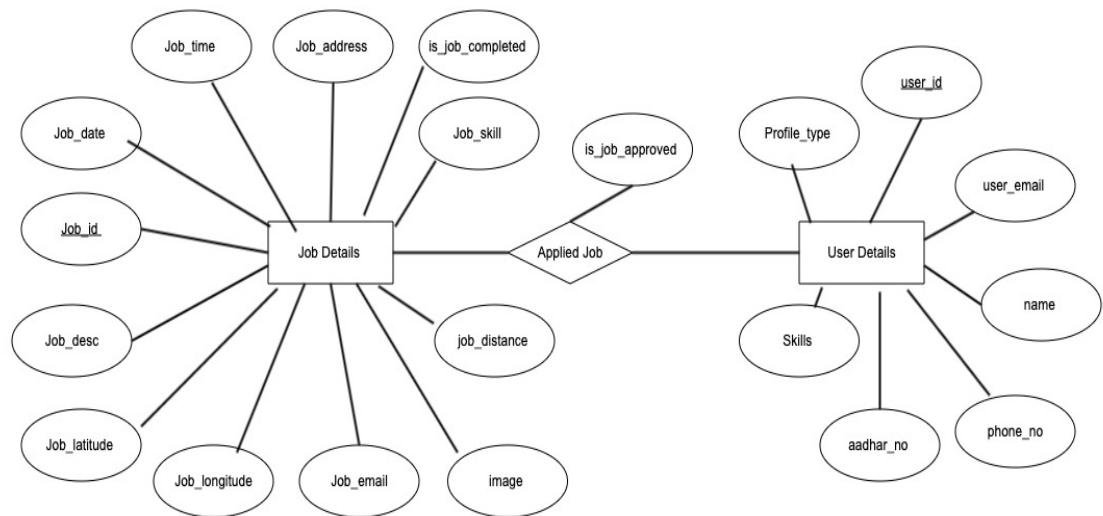
| | |
|-------------|----------------------|
| Name : | brezza |
| Email id : | jainbrezza@gmail.com |
| Mobile no : | 1234567890 |
| Aadhar no : | 123456789012 |



Select for Job

5 System Design

5.1 ER Diagram



5.2 Use Case Diagram

