

A Project Report

On

InNeed – Online Job Portal

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Slot: C1, J Component

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VIT[®]
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ABSTRACT:

Job Portal For Physically Disabled People InNeed is a web-based job search portal specially designed for physically challenged. We have used HTML, CSS, JavaScript, Bootstrap, NodeJS, PHP, MySql. In order to ease the experience for the disabled we have provided gesture control to navigate across the website. This responsive and dynamic website will help the needy physically disabled get a job and get a chance to live an independent life. While on the other hand, the employer will get a needy and hardworking employee. The web portal includes login, signup, and register options for both job seekers and employers. For employers the form asks company name and other details to register. Once the registration is done the employer is redirected to the employer dashboard and gets an option to list jobs. The Employer can list their job as per their hirings. On the other side, we ask for educational details for the job seeker to register, after the registration the job seeker is redirected to their dashboard where they can apply for different job openings as per their likings. InNeed being a fast and responsive website it makes it easy for both the employer and job seeker to use.

INTRODUCTION:

Problem statement:

In today's scenario everyone wants to be ahead of everybody else and so is the case in every field of work. The companies in today's world want the most efficient and hardworking employees. But what about those people who are specially abled/disabled. We asked ourselves this and so we came up with the idea of making a website for these people so they can also find a job and lead a happy and independent life. But who will hire them. So, there are some companies and NGO's who want the same and want to help these kinds of people.

So, we thought of what if we create a website which can become a medium between the two. The people with disability can login to the website and apply for their dream jobs whereas employers register with the website and put-up jobs that are vacant at their company. This responsive and dynamic website will help the needy physically disabled get a job and get a chance to live an independent life. While on the other hand, the employer will get a needy and hardworking employee

Technical specification:

Languages used:

- HTML (Hypertext Markup Language)
- CSS (Cascading Style Sheets)
- JavaScript
- SQL (Structured Query Language)
- PHP (Hypertext Pre-Processor)
- Node.js Tools used:
- VS code

Frameworks/libraries used:

- Bootstrap
- jQuery

LITERATURE SURVEY:

1. Title: Survey of Technologies for Web Application

Development year: 2020

Author: Barry Doyle, Cristina Videira Lopes

Inferences: surveying and classifying and comparing technologies supporting web application development. Based on foundational technologies; integration with other resources etc.

Limitations: technical problems related to web infrastructure, scalability issues and how it is expensive, high levels of scalability are achieved through load balancing.

Simple applications that provide only small amounts of dynamic content are appropriately supported by ad-hoc programming.

2. Title: A Review Study on Online Job Portal year: 2019

Author: Anirudha Wankhade, Priyanka Pakhide

Inferences: learning is important to settle on educated choices, presents a plan of different on-line recruitment framework, that enables businesses to post their job advertisements. Portal can catch job prerequisites dependent on industry needs.

Limitations: execution, dependability and security issues, cost adequacy. it is unequivocally prescribed that an online test is joined in the recruitment and that additional security highlights.

3. Title: Online Job Portals- Job Seeker's Perception

year: 2021

Author: Swapna N, Dr. S. Seethalakshmi

Inferences: covered the perception of a job seeker, online portals are beneficial to the seekers in terms of time saved and easy mode of application.

Limitations: enhancing the placement chances was given less focus, with advancements in AI, ML and other techniques, placements services should be improved.

4. Title: Recommender System for Online Job Portal

year: 2021

Author: Madhura ashok Mane, Virendra D. Pawar

Inferences: the job portal shows the list of companies to the job seeker. To the recruiters provides suitable candidates from a pool of lacks.

Limitations: problems with data storage, authentication issues, can be improved in services and features, graphic improvements, contents improvements technical improvements should be focused.

5. Title: Employment opportunities for persons with different types of disability year: 2017

Author: Tomas Boman, Andres Kjellberg, Eva Boman

Inferences: divide into disability groups (communicative-hearing, communicative-speech-reading, communicative-vision, psychological disability, medical disability, physical disability) logistic regression analysis showed that probability of being employed was highest among respondents with hearing disabilities. The type of disability is essential for employment opportunities.
Limitations: the moderating variables did not have a different effect on the employment frequency in the different disability groups.

6. Title: a systematic literature survey: internet of things

year: 2017

Author: Shyna Kakkar, Vishal Monga

Inferences: machine to machine communication, impacting businesses in India, agriculture and healthcare are major sectors where web development and iot can play a major role for change and better quality of service.

Limitations: security issues and more physical attacks, no proper data authentication.

EXISTING SYSTEM PROBLEMS:

During the COVID we saw that in today's scenario there is a need of online job portals and the earlier system of getting jobs was of no use for the people. We saw that there is a need of online job portal especially for the people with disabilities.

There are problems with existing online job portals as well. The main issues here are with the authenticity, and the legitimacy of the sites. Mostly portals are fake and try to steal sensitive data of the job seekers. The other issues users faced were lengthy registration for the Job application and they had to fill that again and again. In our system we created the login page where the user/seeker once need to enter all his details and that will be stored in our dataset and they do not need to fill the forms again.

The existing systems also do not provide easy job search options. The system is very complicated to search for the jobs. They need to search by company names and job openings etc. and they need to visit the site regularly. Our system provides the seeker with an option to put all their needs first which is very easy to use.

Other problems include lack of regional orientation, fewer local openings, lack of lower end jobs, lack of Temp jobs, unorganised sector jobs, fresher jobs, walk in jobs, etc. they don't even include feedback mechanisms.

PROPOSED SYSTEM DESIGN:

Module description:

Login Page, Register Page: here the user/ admin/ employer enters the username and password. For users and employers if the account already exists, they will be directed to the dashboard. If they do not have an account, they need to create one.

Details page: the job-seekers here should fill out the necessary details about them and the details will be stored in the database. Same thing happens for the employers.

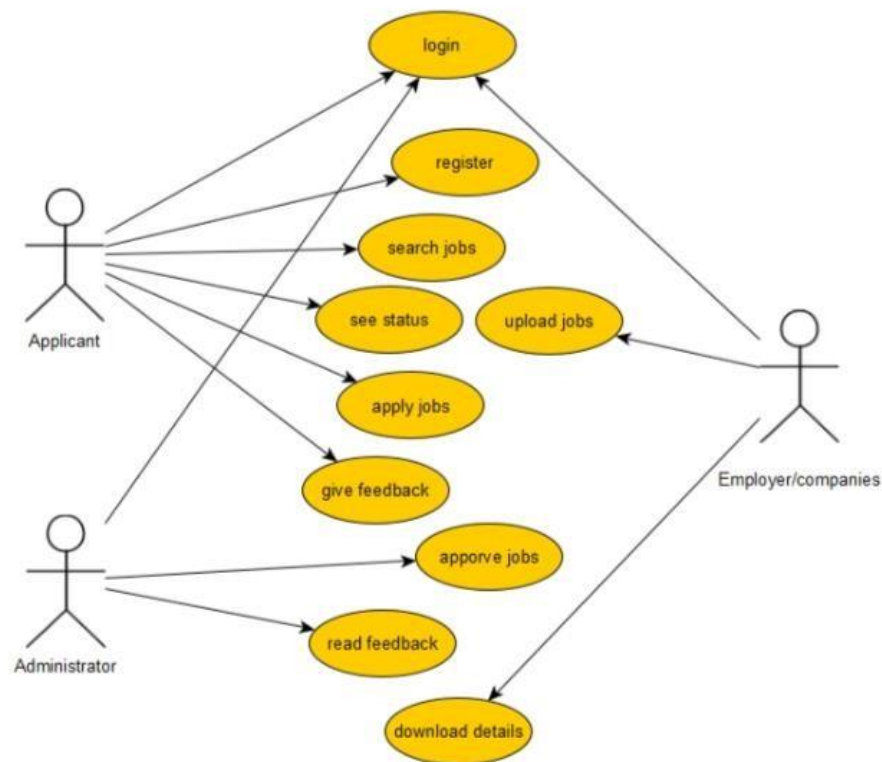
Search page: here the seekers can search the kind of job they want and in which location they want. They can manage other preferences like how much salary they want and tell the company about their previous experience.

Query/ feedback page: here the seekers can ask their queries to the company recruiters and same can be done by the company if the seeker misses out on any details. The seeker can also give feedback about the website.

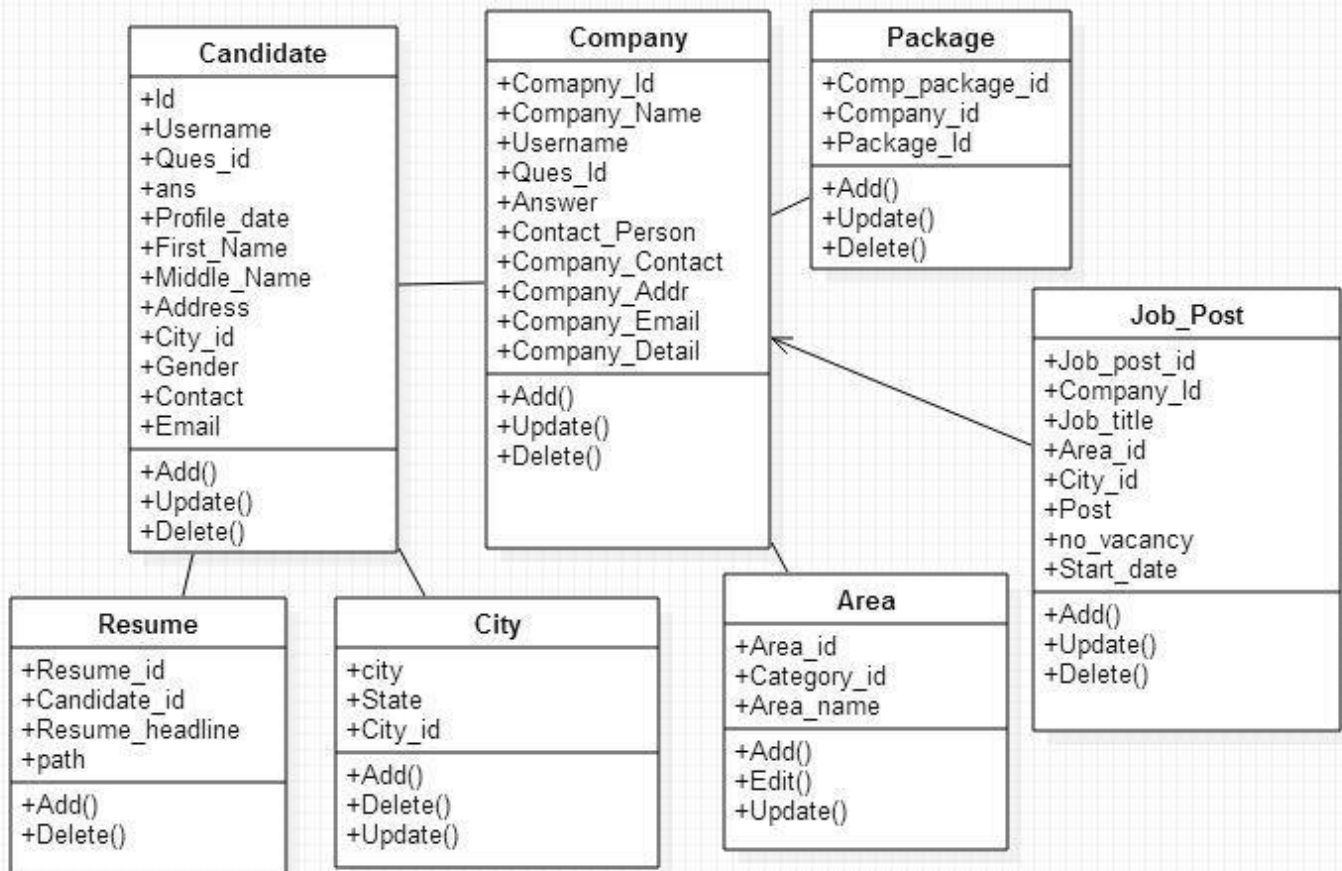
Maintenance: to remove any glitches and bugs existing in the website. They can be removed on the basis of feedbacks from the users and can be worked upon.

UML Diagram/pseudocode:

Use Case Diagram:

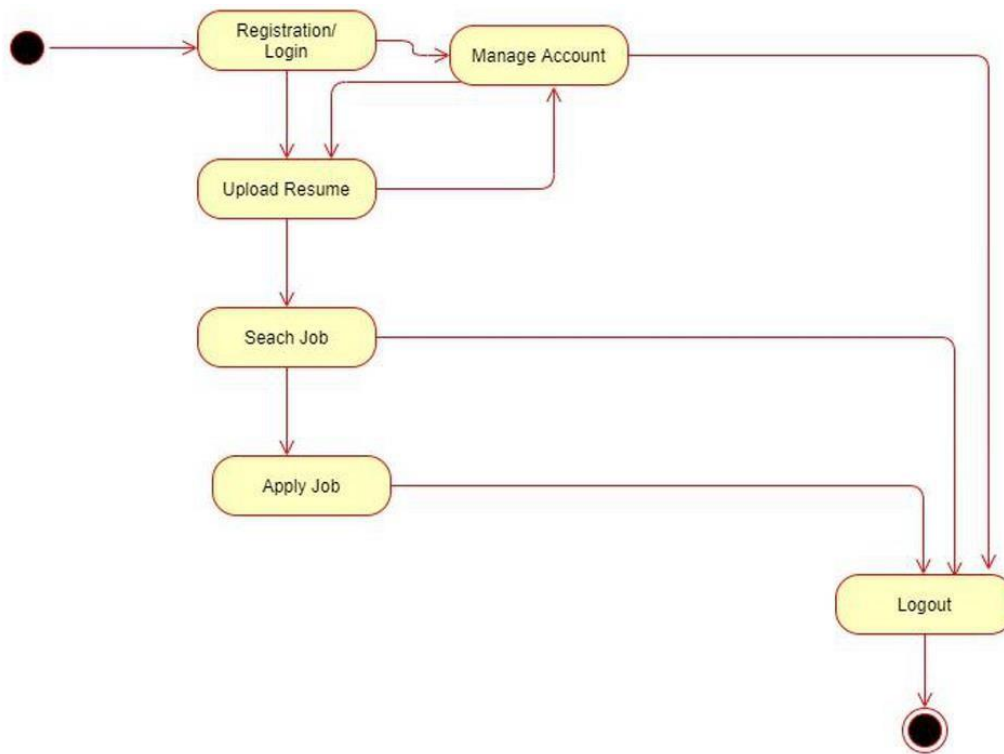


Class diagram:

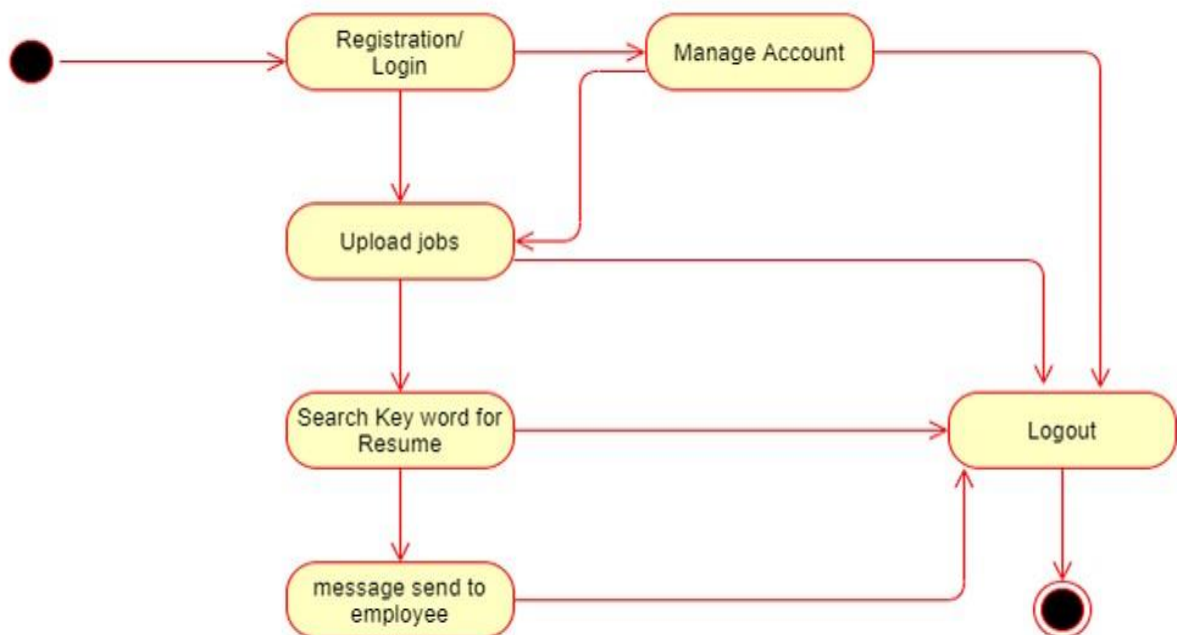


Activity diagram:

-job seeker activity diagram



-Company activity diagram

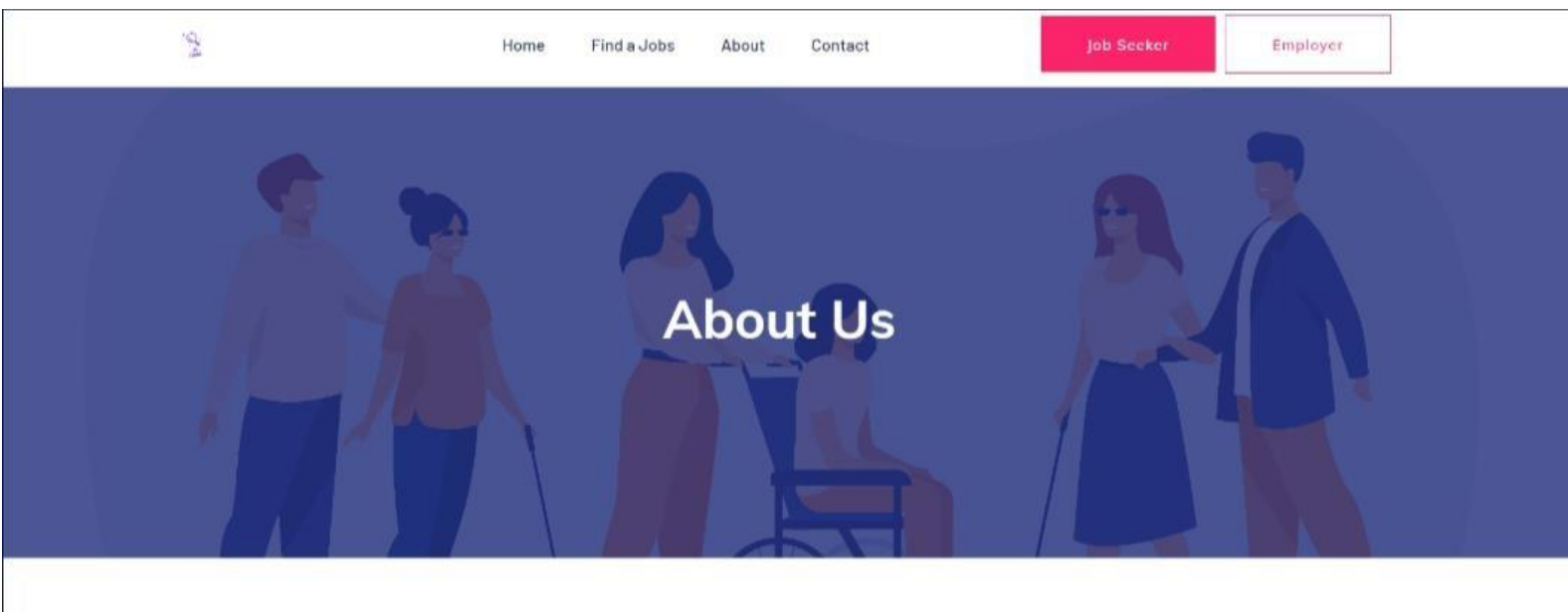


RESULTS:

Source code:

<https://drive.google.com/drive/folders/1tvSRzB1TOjOxJ8mOWkEMpqRu5n7RmMTq?usp=sharing>

Output and screenshots:



Find the Job You Deserve

InNeed is a platform which aims to provide jobs to the disabled. Globally Disabled people are looked upon as people who are incapable of working. We at InNeed provide an easy and smooth job seeking process, where the employer and jobseeker are easily connected. The job seeker can sign up with us by providing us information about his disability, academics, skills, and other details. Depending upon his/her skills and disability, a number of apt jobs will be listed. By choosing a job which he/she looks forward to join, he/she will be contacted within a few days by the management of a firm. We always look forward to helping the disabled section of our



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APPLY PROCESS

How it works



1. Search a job

Fill the Keyword in the search box and location and search for jobs



2. Apply for job

Fill the details about yourself in the form and click on apply



3. Get your job

Soon The Company HR will Contact You for The JOB

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Get The Right Job You Deserve

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Search Jobs

Keywords

Job Location

Salary

Category

Experience

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Name

Email Address

Message

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Job Seeker Sign in

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Don't have an account? [Signup Here](#)

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Employer Sign in

[Sign In](#)☐ Remember me[Forgot Password?](#)

Don't have an account? [Signup Here](#)

phpMyAdmin

cent Favorites

- New
- information_schema
- mysql
- performance_schema
- phpmyadmin
- project
- test

Server: 127.0.0.1 Databases: project

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Designer

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> emp_details		0	MyISAM	latin1_swedish_ci	1.0 KiB	-
<input type="checkbox"/> highest_course		4	MyISAM	latin1_swedish_ci	2.1 KiB	-
<input type="checkbox"/> in_need		0	MyISAM	latin1_swedish_ci	1.0 KiB	-
<input type="checkbox"/> job_details		4	MyISAM	latin1_swedish_ci	2.7 KiB	-
<input type="checkbox"/> job_exp		31	MyISAM	latin1_swedish_ci	2.6 KiB	-
<input type="checkbox"/> job_func_area		47	MyISAM	latin1_swedish_ci	3.8 KiB	-
<input type="checkbox"/> job_industry_type		59	MyISAM	latin1_swedish_ci	4.1 KiB	-
<input type="checkbox"/> seeker_details		0	MyISAM	latin1_swedish_ci	1.0 KiB	-
8 tables	Sum	145	InnoDB	utf8mb4_general_ci	18.3 KiB	0 B

☐ Check all

With selected:

Print Data dictionary

Create new table

CONCLUSIONS:

Job Search Portals stands as a revolutionizing element in the sphere of recruitment and specially for the people with special needs as there are no websites or medium who are solving this issue and the people with disability continue to struggle to find a good paying stable job. Now, they will have easy and quick access to opportunities. The search portals act as a communication bridge between applicants and recruiters facilitating their requirements. This website helps organizations to have a greater exposure to the candidate pool and job seekers facilitating wide search of jobs matching their interests. This website provides an enhanced user experience for both employer and jobseeker and fulfil their needs. It provides user friendly interface which facilitates in reaching wide range of audience.

REFERENCES:

- [1]. Barry Doyle, Christina Videira Lopes. Survey of Technologies for web application development. ACM Journal Name. June 2020
- [2]. Swapna N, Dr. S. Seethalakshmi. Online Job Portals- Job Seeker's Perception.
- [3]. Madhura ashok Mane, Virendra D. Pawar. Recommender System for Online Job Portal. ResearchGate. February 2021.
- [4]. Tomas Boman, Andres Kjellberg, Eva Boman. Employment opportunities for persons with different types of disability. June 2017.