The Ultimate Online Job Portal For IT Sectors

A Project submitted to the National University in partial fulfillment of the requirements for the degree of Bachelor of science in Computer Science & Engineering.

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DECLARATION

We, hereby to declare that the "Project: The Ultimate Online Job Portal For IT Sectors" presented in this project paper is the outcome of the investigation performed by us under the supervision of Md Imran Hossain, Head of Department, CSE, Daffodil Institute of Information Technology (DIIT), Dhaka, Bangladesh. We also declare this project paper that has been submitted to the National University of Bangladesh for the award of bachelor degree that is Bachelor of Science and Engineering.

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APPROVAL

This project paper "Project: [The ultimate online job portal for IT sectors] submitted by Md Imran Hossain, Reg.No: 17502004918 and Sheikh Sakibul Hasan, Reg. No: 17502004993 to the department of Computer Science and Engineering, Daffodil Institute of Information Technology (DIIT), National University, Bangladesh has approved satisfactory for the partial fulfillment of the requirement for the degree of bachelor of science in computer science and engineering.

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ABSTRACT

Online job portals enhance job searches for candidates and recruiters, addressing challenges related to organizational comprehension. These platforms effectively link global job seekers and employers, providing user-friendly search experiences. Inclusive registration, profile updates, and application features promote diverse user participation. Employers can post roles, assess candidates, and gain valuable insights from reviews and interview feedback, thereby refining the recruitment process.

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INTRODUCTION

1.1 Background of the study

A job portal is a modern name for an online job board that helps the employers to find their candidates and also helps the job seekers to find the jobs which are suitable for them. This online job portals offer a wide range of in different areas. The government agencies, on profit organizations, universities and private businesses have created the online job portals to enable the job seekers access the organizations website.al tough it might not fully satisfy the job seekers and the job posters completely. Normally many companies waste their money and valuable time when finding the right candidates for the jobs. Although some site provide specific information of CVs and how to write them, they perform better in interviews and the topics preferred by the job seeker, the face difficulties in achieving the communication and interactions between the job seekers and the job posters.

In this project I have implemented an open source software tool for a job portal system for companies, agencies and freelance job portal developers. It provides a platform to start their own online web based job portal system where the employers and the job seekers can interact effectively. When a company wants to start their own online job portal they have to hire employees to develop system for their requirement or they have to but existing commercial job portals with limited functionalities through this job portal and recruitment system, companies do noted to hire several employees to develop entire system. At the same time, there is no time delay to start their web based system because it is provided online video based training for developers. By using these demos, they can modify the system and it will be more advantage if they have basic knowledge about web based system development. main key features in the system is job posting ,view the job, apply for the job, interview scheduling, job poster-job seeker interaction, admin based job or job seeker/job poster administration and supporting system by providing multimedia based video explanations and code level explanations. Here, there the admin of the system and there several job seekers and job seekers involved together. The system will involve the in real times as well as able to customize according to the requirements of a company;

Job Search Portal is a web application, which serves jobseekers to find available job vacancies and Employers to identify eligible job seekers with the prospect of selecting the most qualified candidates. The only way to select best-qualified candidate is to have a pool of eligible applicants, which is possible by drawing the interest of individuals in the market. Job search portals best serve this purpose. E-recruitment has become the standard means for employers and job seekers to meet their respective objectives. The traditional methods for recruitment includes Job fairs, University career employment services, Employee referrals, advertising in the newspapers, televisions etc. With the advancement in technology and growth of internet usage, the e-recruitment has revolutionized the way organizations hire and candidates search for jobs. With the Online Job search portals, the recruitment process is speeded up at every stage from job postings, to receiving applications from candidates, interviewing process.

The cost of searching/posting jobs will be much less compared to the traditional way of advertising. Job search portal stands as an effective means for Employers to outline the job vacancies, responsibilities and qualifications to attract jobseekers. Using the portal jobseekers can extensively search for jobs in companies, organizations and regions they may otherwise have not learnt. In addition, candidates/Employers can write a review about an organization, which might help them to change.

1.2 Existing System

There are some existing system in this domain of research. Those system has some similar functionality with our proposed system. But they do not combine all these features that are offered by our website. Those systems have some features which are restricted for use by non-paid users. Some major functions of these existing system are time scheduling and synchronization of routine.

1.2.1 Topjobs and CV.lk

Topjobs and CV.Ik are some of the popular websites which provide recruitment services in SriLanka.

1.2.2 Monster.com

Monster.com is Surrendering your information over to the Monster career site will automatically disrupt your inbox. Monster prides themselves over being one of the largest websites in the world, but users have rated the site to provide the excessive scamming and one of the weaker job search engines. General results tend to list position that you hadn't had in mind and if you're interested in media.

1.2.3 Career Builder

Career Builder is a highlight for resume building and helping you to narrow in on your job search. Similar to Monster.com, you can expect an overload of emails and scams from the site's excessive job recommendations, where the majority typically won't coincide with your background, experience or qualifications.

1.3 Problem with Existing System

Our existing system is work fully manually. In a manual system Jobseeker can all work on paper so it is very time consuming process. When new member are include then paper work will be automatically increased. All job searches manually because the companies are connected will admin. The Jobseeker who want to apply for specific Job. It's hard to find as per specification.

Here are some potential problems with existing job portal systems:
- Restricted job postings on some portals hinder companies with numerous vacancies and constrain job seekers' options.
- Job portals' inaccurate algorithmic recommendations waste job seekers' time with irrelevant suggestions
- Misleading or incomplete job descriptions on portals lead to mismatches in job seeker applications.
- Restricted search features in certain portals force job seekers to sift through irrelevant listings due to limited matching.
- Unfriendly interface and navigation in certain job portals frustrate users, leading to platform abandonment.

1.4 Objective

The primary objective of the project is to transition from a manual job application process to an automated system, aiming to streamline the job search process, minimize time requirements, optimize human resource utilization for both employees and employers, and enhance flexibility for job seekers.

1.4.1 General Objectives

The main objective of the project is to change manual way of operation of the job application to an automatic system. This system will help to reduce the time required during the job search process.it will help the employees and the employers to reduce the human resources needed in a company. The job portal also provides flexibility to the job seekers.

1.4.2 Specific Objectives

- To analyze the system.
- To design the system.
- To develop System.
- To evaluate the system
- To test and implement the system.

1.5 Justifications

The online job portal creates a platform to the jobseekers for them to find the fitting job opportunities that suites their qualifications. It is also developed to help the companies in improving its standards through the use of computerized systems rather than manual. The main aim of developing this system is to make job searching more easy and efficient to the jobseekers and the employers.it is a primary source of talent search for the recruiters. The job seekers are also able know the vacancies available at single point. The online job portal has a connecter between the employers and the jobseekers. The job portals have become very good communication channels because they reach a wide audience world wide. There are various companies which might not be known if not through this use of job portal. The job portals also help in saving time and human resources since it do not require many employees, it only requires an administrator.

1.6 Limitations

Only attract job seekers and not actual difference makers. The best candidates aren't looking for a job they are happy doing what they are doing Miss out on great hires because your recruiter is tunneled in on only interviewing candidates with the right keywords in their resume Recruiters waste a lot of time with unqualified candidates The barrier to entry is too low and anybody can apply to your job. Internet-only job hunting does not give you access to many of the jobs that are available in your field. Assumptions 4 There are a number of modules which that will provide standardized ways of job postings, sorting out the resume according to qualifications and other requirements like age a ,experience, positions, gender and knowledge, there is the collection of resumes from the job seekers also. The admin and the users should be able to interact with the system effectively and error tolerant system.

1.7 Conclusion

In conclusion, the presentation on Job Portal Management System introduced the concept of job portals and their importance in connecting job seekers and employers. The presenter discussed the key features of a job portal, such as job search, job posting, and profile creation, and emphasized the need for a user-friendly interface.

The presentation also highlighted some examples of existing job portal websites and their services, and identified some potential problems with these systems that need to be addressed to improve the user experience.

Overall, the introduction part of the presentation provided a strong foundation for understanding the role and importance of job portal management systems in the recruitment process.

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Chapter: 02

<u>LITERATURE REVIEW</u>

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2.1 Background

The background of this study revolves around the critical examination and assessment of various interconnected systems and technologies that are pertinent to the proposed implementation. The primary focus lies in substantiating and appraising the processes associated with recruitment while also delving into the rationale behind the selection of specific technological solutions. This investigation is particularly centered on the evaluation of the recruitment process and the judicious selection of appropriate technologies.

Within the realm of online job portals, a multitude of systems come into play, each contributing to the landscape of job search and recruitment. Some of these systems function through manual operation, while others are technologically mediated. Among the key systems are job search engines and job websites, social media platforms, traditional print media like newspapers and advertisements, local employment agencies, and various social websites and online advertisements.

2.1.1 Introduction

It is concerned with the critical review of the related systems and technologies the required implementation.it is focused on the justification and evaluation of the recruitment process and technology selection. There are several systems which are related to the online job portal. Some of the systems are operated manually. The systems are as follows, the job search engines/job websites, social media, newspapers and advertisement, local employment agencies and the social websites and advertisements. This systems show the job vacancies available, the qualifications which a candidate needs to apply for the jobs and also how to apply for the jobs. Like the local employment agencies shows the jobs which are available local. People who are not able to access the social media and other job websites can access.

2.2 Evaluation of Recruitment Services

The recruitment process is a critical aspect of any organization, especially in the defense sector, where skilled personnel are vital for maintaining national security. In this evaluation, we assess the effectiveness and efficiency of recruitment services provided by a job portal website tailored to the defense industry. This book aims to analyze the various dimensions of the recruitment process, from job posting to candidate selection, and provide insights into optimizing the hiring process for defense projects.

2.2.1 Advertisements on Print Media

Advertisement on newspaper and recruit people for a job is a most common process. Several employers follow newspaper media as a traditional method. Some of the organizations still follow this as legal policy based on their organization constitution. This allows many people to apply via postal service, email service and walk-in interview.

2.2.2 Advertise Through Recruitment Agency

Recruitment agency services have large amount of employee databases in several area. A company is recognized by holding higher the number of candidates. Most of the agencies using electronic database to handle candidates and this method is faster than advertising on newspaper

2.2.3 Online Job Portals

There are multitudinous recruitment websites launched after started internet era. In early internet era, a job has been posted with description and candidates applied using postal service, thereafter email services were used. Gradually begin to adapt with new technology growing trends in the world of information technology. Nowadays, job search engines help to accomplish recruitment task easily. At the same time, posting a job or applying for a job, both became very easy as just a few clicks away.

2.2.4 Job Recruitment in Social Media

Billions of users are actively interacting with social media websites. Nowadays, social media website like Facebook preside over the internet. They facilitate advertisements based on user location, age and type of advertisement like pay per clicks and post promotion. These advertisements are very cost effective. LinkedIn is one of the platform which interact companies and professionals together.

2.3 Literature Review

The concept of online job portal system is a unique and highly effective concept which exactly fits the above-mentioned shifting consumer behavior especially in Sri Lankan context where people are getting adapted to westernized lifestyle and packed with busy schedules. Fundamentally the concept is developed based on an online job portal which facilitates the candidate and the company or institutions from top to bottom. It caters the needs of the market by providing a hassle-free, paperless and less time consuming human resource experience. The objective of this project is to assess the HRM recruitment process and insert some innovation process for an effective and efficient method of recruiting people via this system.

Many websites are available to publish jobs and they allow candidates to apply via online or traditional postal service and also they store curriculum vitae or a user profile of candidate for future use. There are standalone applications to automated skill evaluation but those will help only the employer to sort list the candidate from applied employee list.

2.4 Conclusion

Based on the literature review, it can be concluded that job portal systems have become an integral part of the modern job market. They offer a platform for job seekers and employers to connect and interact with each other, providing a streamlined recruitment process. The job portal system helps job seekers to search for suitable jobs based on their skills and

qualifications, while employers can advertise their job openings and screen potential candidates.

The literature review also highlights the key features of a successful job portal system, such as user- friendliness, search ability, customization, and security. Additionally, the integration of advanced technologies such as AI and machine learning can enhance the user experience and improve the efficiency of the recruitment process.

Overall, the job portal system presents numerous advantages for both job seekers and employers. It simplifies the job search and recruitment process, provides wider access to job opportunities, and helps in identifying suitable candidates for job openings. As the job market continues to evolve, the job portal system is expected to become even more important in the future.

Chapter: 03

Feasibility Study and Requirement Analysis

3.1 Introduction

The job market has become increasingly competitive and complex, with job seekers and employers facing various challenges in finding suitable job opportunities and the right candidates for job openings, respectively. Job portal systems have emerged as a solution to these challenges, providing a platform for job seekers and employers to connect and interact with each other, making the job search and recruitment process more streamlined and efficient.

Before implementing a job portal system, it is essential to conduct a feasibility study to evaluate its viability, effectiveness, and potential impact on the job market. A feasibility study is a comprehensive analysis of the various factors that affect the success of a project, including technical, economic, operational, and social factors.

In the case of a job portal system, the feasibility study should assess the technical aspects, such as the system's functionality, security, and scalability. It should also consider the economic factors, such as the cost of development, maintenance, and marketing, as well as the revenue generation potential. Operational factors, such as user-friendliness, customization, and accessibility, should also be evaluated. Finally, the social impact of the job portal system, such as its ability to address the job market's needs and reduce unemployment, should be analyzed.

3.2 Feasible Study

he primary objectives of this feasibility study are to evaluate the technical, economic, operational, and social factors associated with the implementation of a job portal system. By conducting this study, we aim to gain insights into the system's potential success, identify potential risks, and make informed decisions regarding its development and deployment. The feasibility study will involve a thorough analysis of various factors related

to the job portal system. This will include a review of existing job portal platforms, interviews with potential users, technical experts, and industry stakeholders, as well as a detailed financial analysis.

3.2.1 Device Configures Requirements

Check the hardware components of the devices to be used for accessing the job portal system. This includes the computer, tablet, or mobile device. Ensure that all cables are properly connected, and the devices are functioning correctly.

Make sure that the necessary software applications are installed on the devices. This includes a web browser and any other software required for the job portal system. Ensure that the software is up to date to avoid compatibility issues.

Verify that the devices have a stable and fast internet connection to access the job portal system. If using a mobile device, ensure that cellular data is enabled.

Adjust the display settings of the devices to ensure that the job portal system is visible and clear. This includes adjusting the screen brightness, font size, and zoom level.

Log in to the job portal system and test its features and functions on the devices. Check the job listings, search functionality, resume submission process, and any other features relevant to the job search process.

By following these basic steps, you can ensure that the devices are configured correctly to access and use the job portal system, which will help to simplify and streamline the job search process.

3.2.2 Hardware and Software Requirements

Hardware Requirements are given below:

Processor	Intel/AMD-2.0 GHZ or higher
RAM	2GB or higher
Hard disk	500GB or higher

Resolution	At least 1024x768
Internet	Broadband with minimum 2 Mbps download rate

Table 3.2.2 Hardware requirements

Software Requirements are given below:

Operating System	Windows 7 or latest
Web Server	Apache 2.4 or above
PHP	Minimum PHP 7.x version
Database	MY SQL 5.x Version
Internet	Broadband with minimum Mbps download rate
Text Editor	VS Code, Sublime text3,Notepad++

Table 3.2.2 Software requirements

3.3 Programming Language Requirements

In order to develop a robust and dynamic web application, the following programming languages and technologies are essential components of the development stack:

- HTML
- CSS
- JavaScript
- Bootstrap
- jQuery PHP
- Laravel
- MySQL
- XAMPP

3.4 Requirements Gathering

In a requirements gathering task, more time and skill should involve in order to collect data from the right source and accurately for system development. Communication skill is much important in order to understand client's requirements and questioning to client regarding system requirements.

Requirement gathering phase should be handled very carefully, otherwise entire project will end up in failure, Business activity modeling will help to define system boundary.

3.4.1. Fact Finding Technique

Research on similar projects Searched on professional websites, and studied about their current process and access on dashboard in several user roles. Learned about online job portal system procedures by reading some research articles and analyzed them in an efficient way. Interview is one of the flexible solution to gain domain knowledge about recruitment process. By interviewing the university students and job seekers can find the interested field of current and future job market.

By monitoring the process of Human resource department learned about recruitment system procedures. Reading newspaper advertisements is helped to develop skill list for candidate.

3.5 Requirements Analysis and Management

The gathered requirements need to be validated and analyzed for clear doubts. Requirement is very obvious to meet a goal. Requirements could affect on the project scope and the project cost. Requirement gathering is a critical task in any project. New requirement make by client at the middle of the project can cost more than the budget and also time can exceed than the given time.

3.6 Requirements for the new system

3.6.1 Functional Requirements

- Create profiles for job seekers
- Create profiles for companies Job post
- Enable job posting features for companies
- Candidate can view all posts and apply suitable post

- Relevant candidate name list will be display for every skill search

- Generate report or high level design Searching

- Search using skills, job title, post, user name, or district

- Job alerts

- Password change

- Forgot password

- Interview schedules

3.6.2 Non Functional Requirements

Website loading speed and optimize script deliver better usability for even ordinary user, site performance is checked using GTMETRIX

Human–computer interaction is considered in order to deliver better User Interface (UI) design and User Experiences (UX). User has flexibility to use this website to complete their task.

Online job portal is 24x7 available for users.

System is designed for all device compatibility and responsive design using bootstrap for all the browsers and devices.

Users might have facility to protect their data by setting up some privacy option. User roles are clearly defined according to the user level.

If there is no deadline for a job post and that post is available on web all the time, candidate may not trust the content. Always all the job post content must be accuracy and reliable.

3.7 Conclusion

In conclusion, the requirement analysis is a critical phase in developing a job portal system. It involves identifying the functional and non-functional requirements for the system, understanding the user's needs and expectations, and defining the system's scope and constraints.

4.1 Introduction

System Analysis is one of the important phases at system development life cycle. This phase includes requirement gathering and understanding the functional and non-functional requirements of the proposed system. Similar type of systems are analyzed. Structured System Analysis and Design Methodology (SSADM) and high level architectural design diagram are incorporated with this chapter.

4.2 Use Case Diagram

A use case diagram for an online job portal system would identify the primary actors involved in the system (such as job seekers, employers, and administrators) and the various use cases they would engage in. Examples of use cases could include job searching and application submission for job seekers, job posting and candidate management for employers, and system maintenance and user management for administrators. The diagram would also illustrate the relationships between the actors and the use cases, highlighting how they interact with one another within the system.
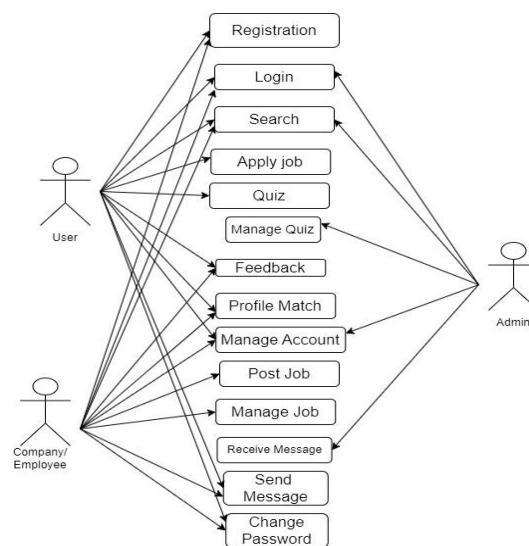
Fig 4.2: Use Case diagram of Online job portal

4.3 E-R Diagram

An Entity-Relationship (ER) diagram for a job portal is a visual representation of the various entities (e.g., job seekers, job listings, employers, etc.) involved in the job portal system and the relationships between them.

The ER diagram typically includes entities such as job seekers, employers, job listings, applications, and various attributes for each entity (e.g., job seeker name, employer name, job title, job location, etc.).

The relationships between the entities are depicted using various types of lines, such as one-to- one, one-to-many, and many-to-many relationships. For example, a job seeker can apply for multiple jobs, but each job listing can only be associated with one employer.

The ER diagram serves as a blueprint for the job portal system, providing a clear and concise representation of how the different entities are related and how they interact with each other.
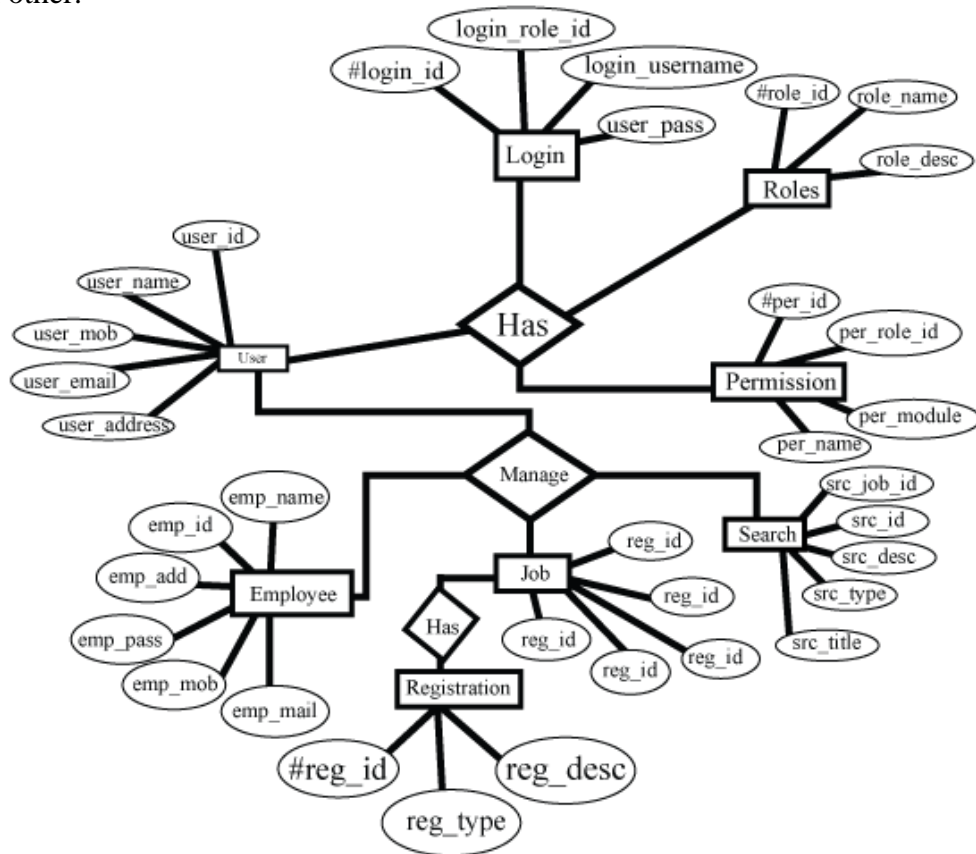
Fig 4.3: E-R diagram for online job portal

4.4 Flowchart

A flowchart is a graphical representation of a process or algorithm that uses different shapes and symbols to illustrate the steps involved. It is used to depict the sequence of activities, decision points, inputs and outputs in a clear and concise manner, making it easier to understand and communicate complex procedures.
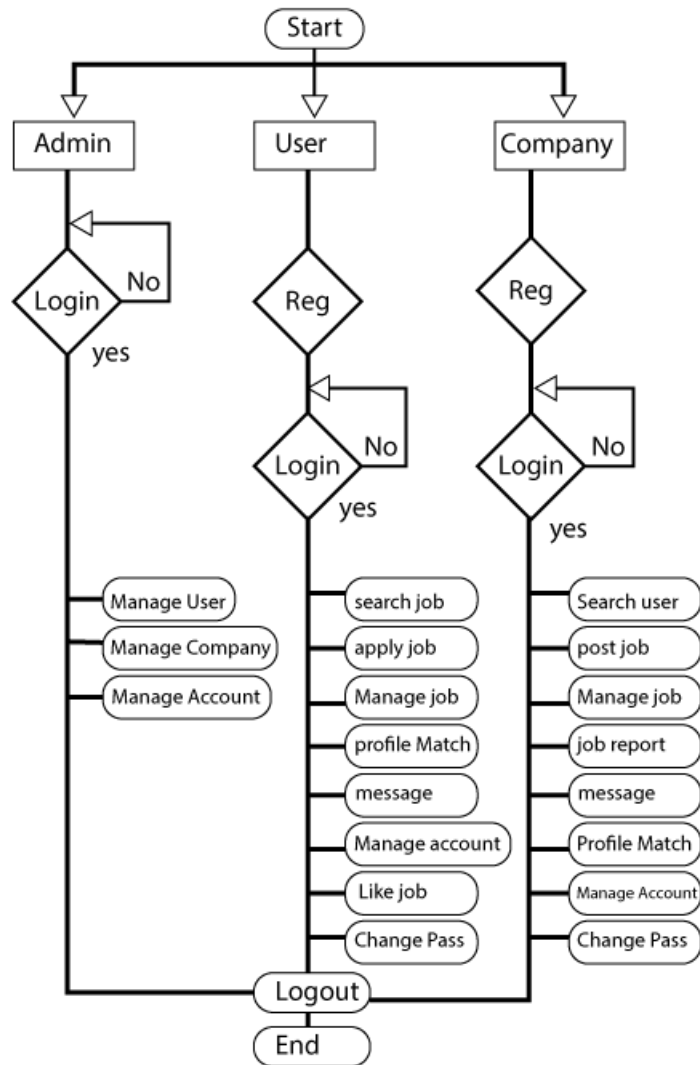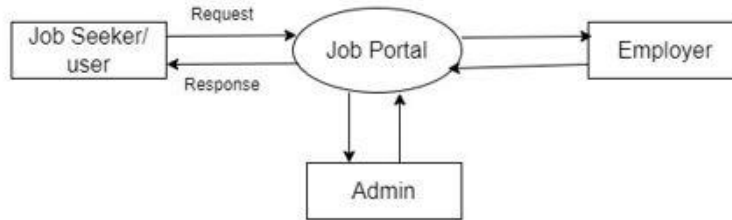

Fig 4.4: Flow Chart for Online Job Portal

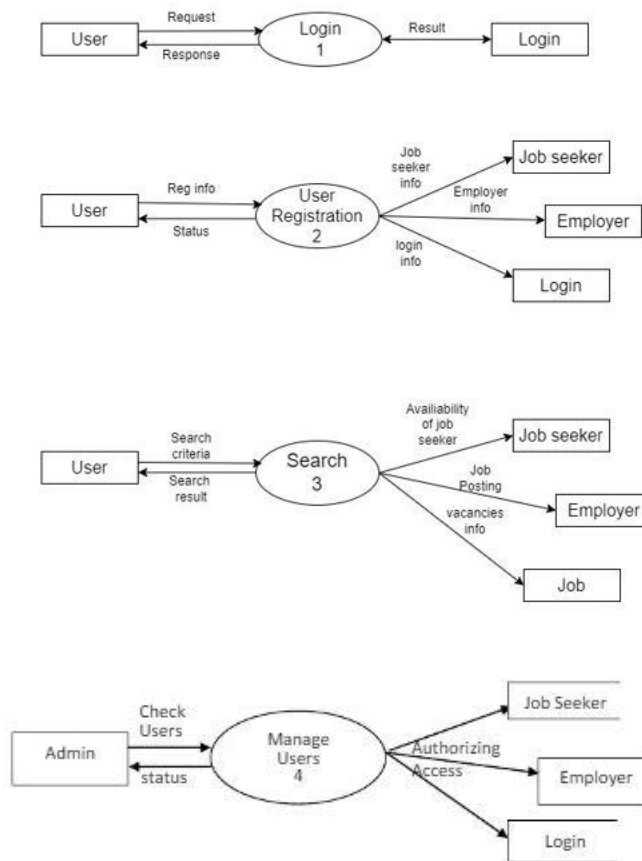**4.5 Data Flow Diagram (Level 0 and 1)**

Level 0

Level 1

Fig 4.5 Data flow diagram level 0 and 1

DFD level 2

Level 2
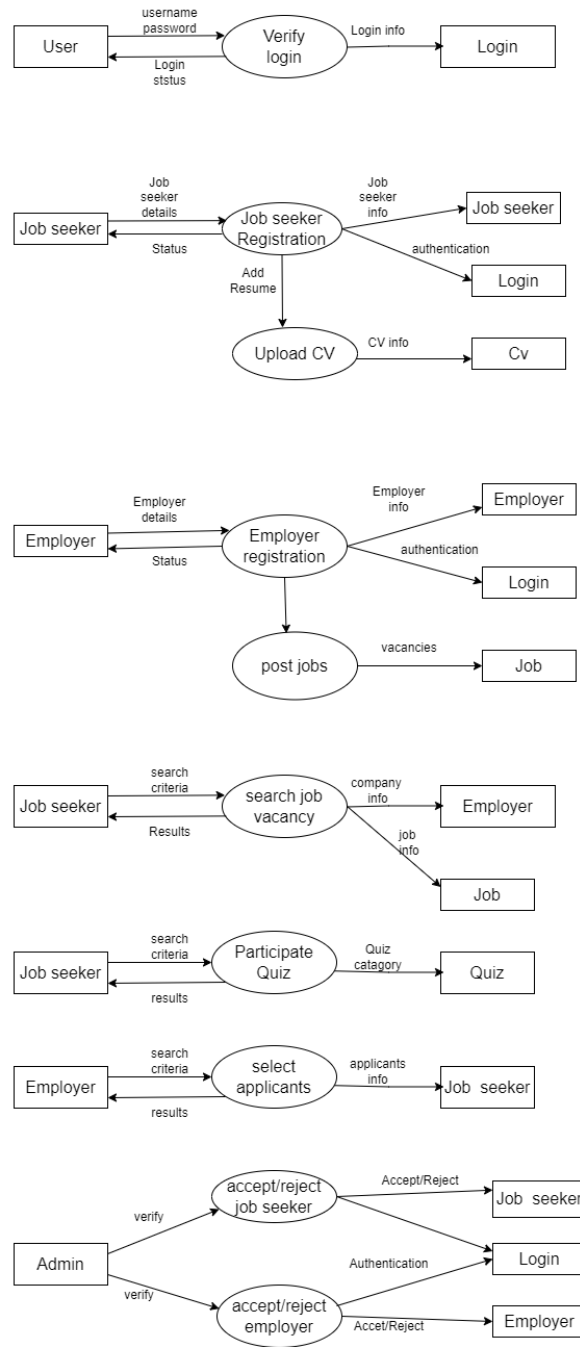
Fig 4.5 Data flow diagram level 2

4.6 Conclusion

In conclusion, designing a job portal website requires careful consideration of the needs and expectations of both job seekers and employers. The website should have a user-friendly interface with intuitive navigation, making it easy for users to find the information they need. It should also offer robust search functionality, filtering options, and personalized job recommendations to help job seekers find relevant job openings.

Employers should have easy access to post job openings, manage job postings, and search through resumes. The website should also provide analytics to help employers track the performance of their job postings.

Additionally, the website should be designed with mobile responsiveness in mind, as many job seekers prefer to search for jobs on their mobile devices. Security measures should also be implemented to ensure that user data is protected.

Overall, a well-designed job portal website can effectively connect job seekers with job opportunities and provide employers with a valuable platform to find qualified candidates.

5.1 Home Page

This is the form which is displayed to all users of the system its has different parts for the administrator where he/she has to login in and the job seekers where they have just to click and view the information they want.
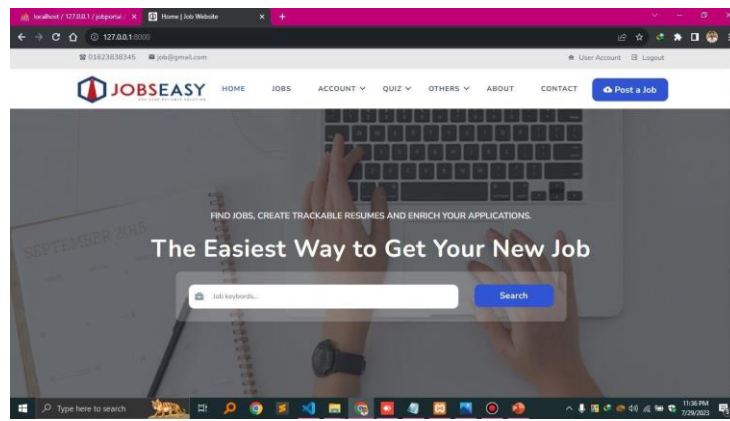

Figure1: Home page of job portal website

5.2 User Registration page

User must register on the job portal if they want to apply for any job. Users can find the registration button on the system. After a click on that button, a registration form will appear. Users need to fill up all the compulsory fields and then need to press the submit button. After a successful registration, user can access into the system and apply for jobs.
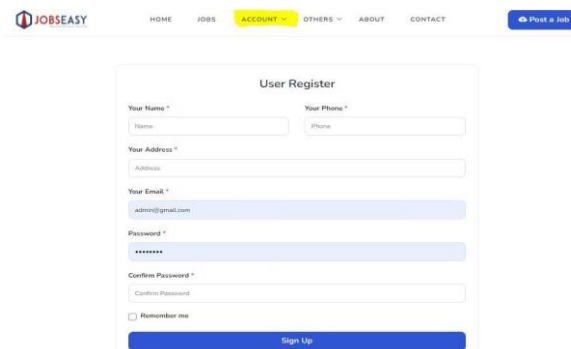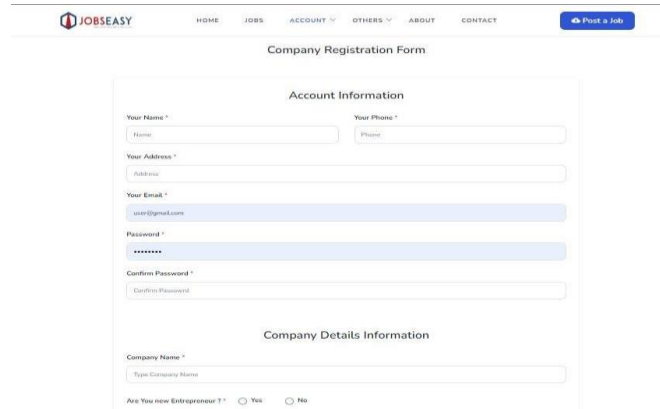

Figure 2: User Registration page

5.3 Company Registration page

The company must register on the job portal if they want to post any job. The registration button is available on the system for company users. After a click on that button, a registration form will appear. The company user needs to fill up all the compulsory fields and then need to press the submit button. After a successful registration, the company user can access into the system and post jobs.

Figure 3: Company Registration page

5.4 User/Company Login

User login gives access to the system only to registered users. Users need to write the correct email and password to log in to the application. After successful login, the user can access the home page.

Figure 4: User login page
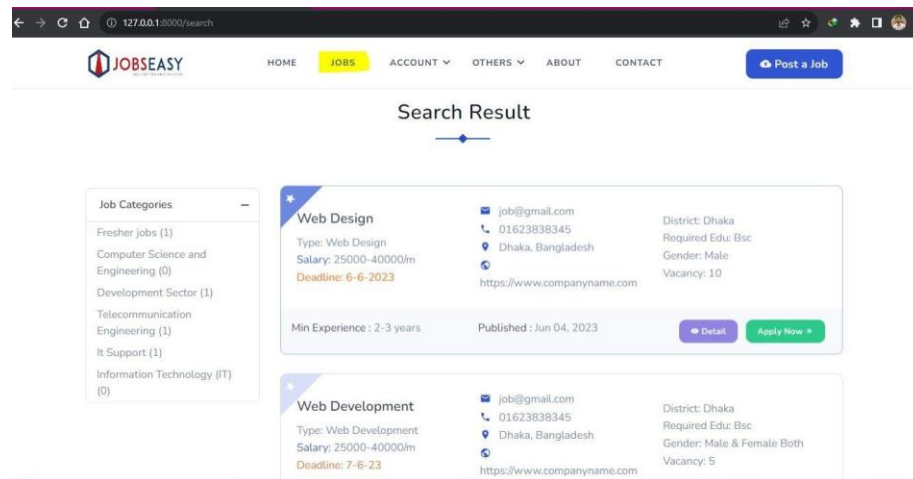
5.5 Job listing Category

Figure 5: Job category page

5.6 Quiz Test Page

The user can participate quick quiz test to prepare himself for job preparation or viva/interview question. Also he/she can select category of subject for quiz published by the Admin. The user can get immediate quiz result after submitting the quiz form.
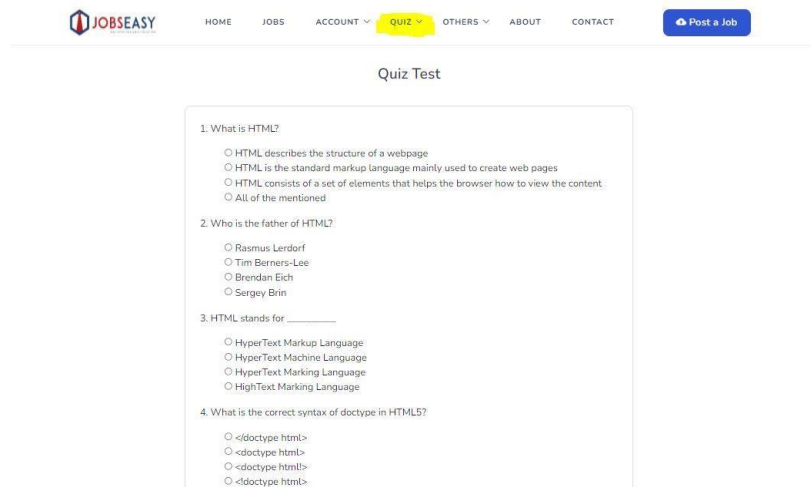

Figure 6: Quiz Test page

5.7 Admin Dashboard

Admin provides administrators with a centralized interface to oversee and control various aspects of the job portal site. Admin functionalities are User Management, Job Listing Management, Employer Management, Candidate Management, Support and Communication, Content Management, Customization and Settings, Security and Moderation, SEO and Marketing.
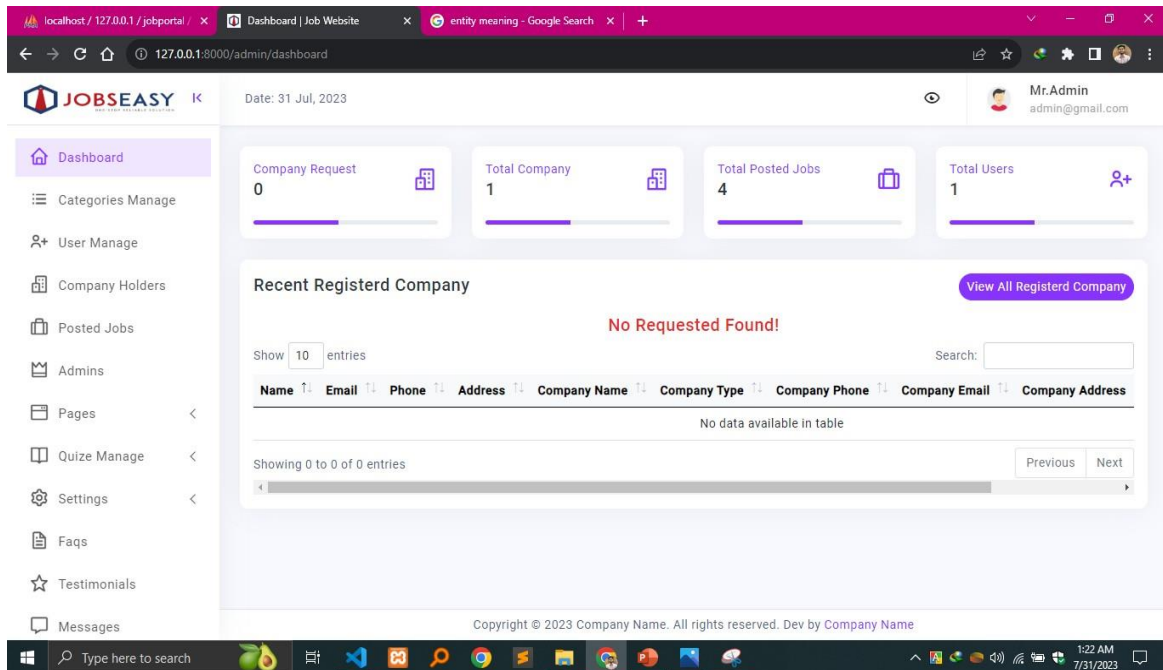

Figure 7: Admin Dashboard of job portal

5.8 Conclusion

The implementation conclusion of a job portal refers to the summary of the development process, outcomes, and key takeaways from building the job portal. It highlights the successes, challenges, and improvements made during the implementation phase.

<p align="right">Chapter: 06</p>

<p align="right">Future Work</p>

6.1 Future plan

As the demand of online job portal is increasing day by day we are willing to increase the functionality to enhance customer experience. Future enhancement Some functions need to be included in the system to enhance the portal. Though they are not most prominent ones that they give a more attractive look to the system. Some features can be developed as follows.

- Remote Work Support
- Search Engine Optimization (SEO)
- Mobile App Optimization

6.2 Conclusion

As we conclude the development of our job portal website, we are proud of the accomplishments and the significant progress we have made in creating a robust platform to connect job seekers and employers. However, we recognize that there is always room for improvement and expansion.

REFERENCES

[1]   Keerthana Kopuri1, Gulam Mujtaba Hussain Aqueel2, Azbar Sadiqa Jabeen3, Dr.T.K.Shaik Shavali4 1,2,3B.Tech student, Dept. of CSE, Lords Institute of Engineering and Technology, associate professor, Dept. of CSE, Lords Institute of Engineering and Technology, Hyderabad, Telangana India. FEBRUARY 2017.

[2]   Pinjari, Mustafa, et al. "Online Job Portal." International Research Journal of Engineering and Technology (2019). Pinjari, M., De, N., Kokne, R., Siddiqui, A., & Chitre, D. (2019). Online Job Portal. International Research Journal of Engineering and Technology. Pinjari, Mustafa, Nishit De, Rutvij Kokne, Aamir Siddiqui, and Dnyanoba Chitre. "Online Job Portal." International Research Journal of Engineering and Technology (2019).

[3]   Khan, M.S. and Khan, M.S., 2015. Online job portal (Doctoral dissertation, University of Management and Technology Lahore). Khan, Muhammad Sabeeh, and Muhammad Shaff Khan. "Online job portal." PhD diss., University of Management and Technology Lahore, 2015.

[4]   J. Dorn and T. Naz, "Integration of Job portals by Meta-search," in Proc. 3rd International Conf. on Interoperability for Enterprise Software and Applications, Funchal, Portugal, 2007, pp. 401-412.

[5]   Boyce, A. (2002). Online Job Hunting: A Pew Internet Project Data Memo. Pew Internet and American Life Project. Published: July 17, 2002. [6]   Kuhn, P. & Skuterud, M. (2000). Job Search Methods: Internet versus Traditional. Monthly Labor Review. Published: October 2000.

[7]   Jony, Sheikh Saifur Rahman, et al. "An Exploratory Study of Online Job Portal Data of the ICT Sector in Bangladesh: Analysis, Recommendations and Preliminary Implications for ICT Curriculum Reform." Education Sciences 12.7 (2022): 423.

APENDIX

Source Code:

Author Controller

```php
<?php

namespace App\Http\Controllers\auth;

use App\Http\Controllers\Controller;

use App\Models\backend\BannerModel;

use Illuminate\Http\Request;

use Hash;

use Session;

use App\Models\User;

use Illuminate\Support\Facades\Auth;

class AuthController extends Controller

{

  public function index()

  {

    $login_banner = BannerModel::where('status',1)->where('type' ,'login_banner')->limit(1)->get();

    return view('auth.login',compact('login_banner'));

  }

  public function customLogin(Request $request)

  {
```

```php
$request->validate([

    'email' => 'required|email',

    'password' => 'required',

]);

$credentials = $request->only('email', 'password');

if (Auth::attempt($credentials)) {

    if( Auth::user()->is_admin == 1 && Auth::user()->status == 1 ){

        return redirect()->route('admin.dashboard')->with('success','Login
Successfully!');

    }else{

        if(Auth::user()->is_admin == null || Auth::user()->is_admin == 0 &&
Auth::user()->status == 1){

            return redirect()->route('my-account');

        }else{

            Session::flush();

            Auth::logout();

            return redirect()->route('home')->withSuccess('Your Account Has Been
Desibaled! Contact Us');

        }

    }

    // return redirect()->intended('dashboard')

    //        ->withSuccess('Signed in');

}
```

```php
        return redirect("login")->with('error','Opps..! You have entered invalid email &
password. Please Try Again!');

    }

    public function register()

    {

        return view('auth.register');

    }

    public function customRegistration(Request $request)

    {

        $request->validate([

            'name'    => 'required',

            'email'   => 'required|email|unique:users',

            'mobile'  => 'required',

            'address' => 'required',

            'password' => 'required|min:6|confirmed',

            'password_confirmation' => 'required|min:6'

        ]);

        $data = $request->all();

        $check = $this->create($data);

        return redirect()->route('login')->with('success','Registration Successfully. You can
sign-in');

    }

    public function create(array $data)
```

```php
  {

    return User::create([

      'name' => $data['name'],

      'email' => $data['email'],

      'mobile' => $data['mobile'],

      'address' => $data['address'],

      'password' => Hash::make($data['password'])

    ]);

  }

  public function signOut() {

    Session::flush();

    Auth::logout();

    return redirect()->route('home');

  }

}
```

User Controller

```php
<?php

namespace App\Http\Controllers\auth;

use App\Http\Controllers\Controller;

use App\Models\backend\BannerModel;

use App\Models\backend\jobuser;

use Illuminate\Http\Request;
```

```php
use Hash;

use Session;

use App\Models\User;

use App\Models\UserVerify;

use Illuminate\Support\Str;

use Mail;

use Illuminate\Support\Facades\Auth;

class JobUserAuthController extends Controller

{

   public function index()

   {

      $login_banner = BannerModel::where('status',1)->where('type' ,'login_banner')-
>limit(1)->get();

      return view('auth.job_user_login',compact('login_banner'));

   }

   public function customLogin(Request $request)

   {

      if (Auth::guard('user')->attempt(['email' => $request->email, 'password' =>

         $request->password])) {

            return redirect()->route('user.my-account')->with('success','User Login
Successfully!');

      }

      else{
```

```
        return redirect()->route('job.user.login')->with('error','Email-Address And Password
Are Wrong.');

    }

  }

  public function register()

  {

    $register_banner = BannerModel::where('status',1)->where('type' ,'register_banner')-
>limit(1)->get();

    return view('auth.job_user_register',compact('register_banner'));

  }

  public function customRegistration(Request $request)

  {

    $request->validate([

      'name'     => 'required',

      'email'    => 'required|email|unique:jobusers',

      'phone'   => 'required',

      'address'  => 'required',

      'password' => 'required|min:6|confirmed',

      'password_confirmation' => 'required|min:6'

    ]);

    $data = $request->all();

    $createUser = $this->create($data);
```

```php
    $username = $request->name;

    $token = Str::random(20);

    UserVerify::create([

    'jobuser_id' => $createUser->id,

    'token' => $token

    ]);

    Mail::send('frontend.email.emailVerificationEmail', ['username' =>
$username,'token' => $token], function($message) use($request){

    $message->to($request->email);

    $message->subject('BD Engineers Career - Email Verification Mail');

    });

    return redirect()->route('job.user.login')->with('success','Registration Successfully.
Check Your Email and click confirm account then You can sign-in');

  }

  public function create(array $data)

  {

   return jobuser::create([

     'name' => $data['name'],

     'email' => $data['email'],

     'phone' => $data['phone'],

     'address' => $data['address'],

     'password' => Hash::make($data['password'])

   ]);
```

```php
    }

    public function signOut() {

        Session::flush();

        Auth::logout();

        return redirect()->route('home');

    }

    public function verifyAccount($token)

    {

    $verifyUser = UserVerify::where('token', $token)->first();

    $message = 'Sorry your email cannot be identified.';

        if(!is_null($verifyUser) ){

        $jobuser = $verifyUser->jobuser;

        if(!$jobuser->is_email_verified) {

        $verifyUser->jobuser->is_email_verified = 1;

        $verifyUser->jobuser->save();

        $message = "Your e-mail is verified. You can now login.";

        } else {

        $message = "Your e-mail is already verified. You can now login.";

        }

        }

    return redirect()->route('job.user.login')->with('message', $message);

    }

}
```