

Career Job Search Application Built in Java

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Abstract: This project is about the recruitment process which is done online. The recruitment process here is handled by the system. This project will allow the person to apply for a job in the company for the interested vacancy which would be available at the company. The person will be having the account after registration and will be then called the applied user. If he would be qualified, he would be interacting with the system for the updates. The project is created for fulfilling the requests of the company managers so that the recruitment module can be placed in the company's website and the users who visit the website can view the vacancies in the company and will be able to apply directly from remote place even. The vacancies will be posted by the administrator on the basis of needs of the manpower in the company. A job portal helps both the job seekers and recruiters finding the right organization for the employees. In the case of job seekers, according to their educational qualification, experience and their preferences, the job portal shows the list of companies to the job seeker. And, to the recruiters, provides the suitable candidates from a pool of lacks.

Index Terms —Job Web Portal, Unemployed Graduates, Employing Company, Final year students.

I. INTRODUCTION

Career job search web application built in java. It provides the candidates, ability to register to this application and search for jobs, manage their accounts. Each candidate will have an account with their own home page. This project is an attempt to minimize the problems of an applicant to find a correct job. If we can make it an online computerized and a mobile alert process it will be so fast and convenient for the applicants. On the other hand, Employers those are willing to publish the jobs for their company to candidates, can register to the job portal and get their own account created and can post jobs to portal's database. Registered Employers can add or remove jobs and these jobs can be seen by various candidates and they can contact the concern person for the job. Main aim of this web application is to make a user friendly platform where, applicant can search jobs easily and is accessible to everyone who are interested. The Purpose of the application is to provide Job portal for Job Seekers, to submit their CV and apply for job, where Employer can select best Employees from available candidate profile.

A. Importance of job search

In the age of technology, the Internet has become the main source of information for jobseekers. Job portals are the starting point of jobseekers when searching for jobs. Thus, some job portals charge employers high fees to publish information on job vacancies. In spite of this, many employers still continue to advertise or publish information on job opportunities on the job portal, but limited in order to keep costs down. Many employers still believe that a jobseeker will visit job portals when searching for job vacancies.

Today, the internet has changed many aspects of our life, such as the way we look for jobs [3]. If one person wants to find a new job, he/she can submit a resume using word processing software like Microsoft Office Word, open a web browser to send the resume and receive an e-mail. Online recruitment has become the standard method for employers and jobseekers to meet their respective objectives.

B. Features of Job search

One of the ways to improve employment mobility is to provide online job offer services. Online job portals can help jobseekers as they contain all required information about available vacancies in a single point. Such portals enhance efficiency in job recruitment as applicants can match their qualifications and skills to the requirements of employers. Generally, searching for jobs on the internet involves a process of information collecting because the jobseeker gathers information contained in the job portals, during the search. A good job portal shares information and experiences with its members/users. This save time and efforts and better decisions can be made. Job openings requirements can be matched to an applicant's qualification and skills. In this way, job portals return not only the precise matches but also return the most similar match.

- A lot of manual work which is time consuming and tedious can be reduced.
- Eliminates wrong entries and hence give accurate report.
- Reduce paper work and extra cost.
- Data redundancy can be avoided.
- Information retrieval is faster.
- User friendliness.

C. Modulus –

1. Login
2. Logout
3. Company registration
4. Applicant registration
5. User
6. Search
7. Admin

1. Login-The login page allows a user to gain access to an application by entering their username and password or by authenticating using a social media login. A login page is a web page or an entry page to a website that requires user identification and authentication, regularly performed by entering a username and password combination. Login may provide access to an entire site or part of a website.

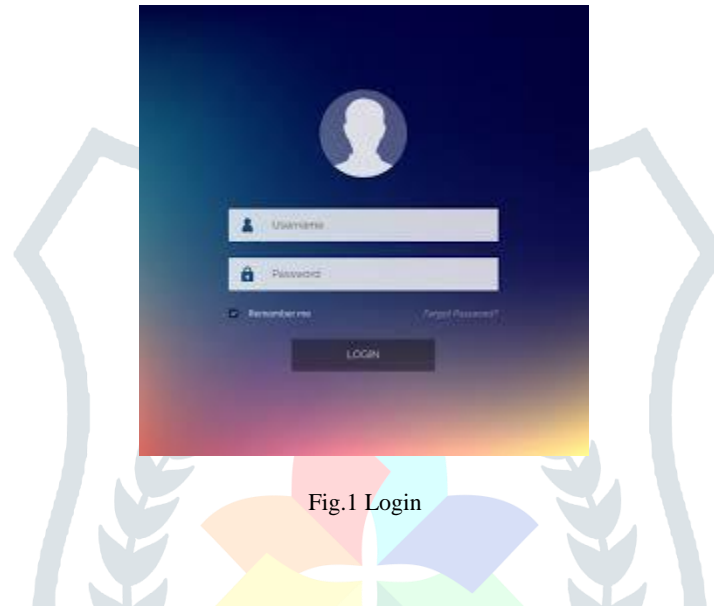


Fig.1 Login

2. Logout -Log out means to end access to a computer system or a website. Logging out informs the computer or website that the current user wishes to end the login session. Log out is also known as log off, sign off or sign out. Logging out can be accomplished in two ways: by using the log-out option provided by an application or by the system, or by shutting down the computer or closing an application without explicitly logging out.



Fig.2 Lockout

3. Company Registration- The authority of the company can register into the site by providing its details and they can set its username and password for logging in. They can also specify their requirements for each vacancy. A company register is a register of organizations in the jurisdiction they operate under. A statistical business register has a different purpose than a company register.



Fig.3 Company Registration

4. Applicant Registration - The applicant can register into the site by providing his details and he can set his username and password for logging in later. Before applying for a funding opportunity, you need to register an account with Grants.gov. Whether you are an applicant for an organization or an individual applying for grants on your own, you only need to register one account on Grants.gov. The Grants.gov registration process can be completed in minutes.

Fig.4 Application Registration

5. User -A user is a person who utilizes a computer or network service. Power users use advanced features of programs, though they are not necessarily capable of computer programming and system administration. A user often has a user account is identified to the system by a username (or user name).



Fig.5 User

6. Search - Applicants can search for the job vacancies in the fields of their choice and apply as interested. Job hunting, job seeking, or job searching is the act of looking for employment, due to unemployment, underemployment discontent with a current position, or a desire for a better position.

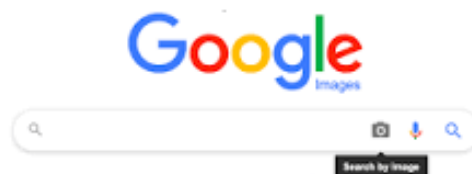


Fig.6 Search

7. Admin –Role-based administration allows you to provide the right Envoy access to specified team members. Anyone with an *employee record* can be assigned an Envoy admin role.



Fig.7 Admin

II. SYSTEM SPECIFICATION

A. Hardware Requirement

Operating System: Microsoft Windows XP Professional SP3/ Vista SP1/Windows 7 Professional

Processors: 2.6 GHz Intel Pentium 4 or Equivalent

Disk Space: 1GB of free disk space

RAM: 2GB

B. Software Requirement

Software plays an important role in any development. One should understand which software is used to develop the project. Windows 7 is used as an operating system. The application is developed using.

a. NetBeans IDE- NetBeans IDE lets you quickly and easily develop java desktop, mobile, and web applications, as well as HTML5 applications with HTML, javascript, and CSS. The IDE also provides a great set of tools for PHP and C/C++ developers. It is free and open source and has a large community of users and developers around the world.



Fig.8 NetBeans IDE

b. MySQL 5.7- MySQL 5.7 is the best release ever of the world's most popular open source database and provides a new, advanced feature set designed to enable those who are building the next generation of web-based and embedded applications and services.



Fig.9 MySQL 5.7

c. SQLyog- SQLyog is the most powerful manager, admin and GUI tool for MySQL, combining the features of MySQL Query Browser, Administrator, phpMyAdmin and other MySQL Front Ends and MySQL GUI tools in a single intuitive interface. SQLyog is a fast, easy to use and compact graphical tool for managing your MySQL databases. SQLyog was developed for all who use MySQL as their preferred RDBMS. Whether you enjoy the control of handwritten SQL or prefer to work in a visual environment, SQLyog makes it easy for you to get started and provides you with tools to enhance your MySQL experience.



Fig.10 SQLyog

d. Apache Tomcat-Apache Tomcat (sometimes simply "Tomcat") is an open-source implementation of the Java Servlet, Java Server Pages, Java Expression Language and Web Socket technologies. Tomcat provides a "pure Java" HTTP web server environment in which Java code can run. Tomcat is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation.

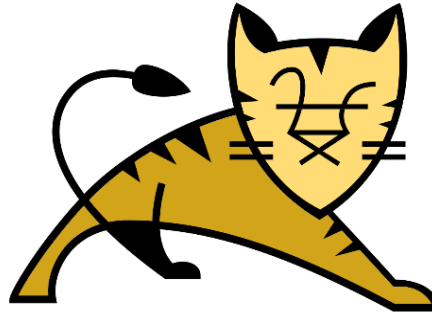


Fig.11 Apache Tomcat

III. SYSTEM SCHEMA

The goal of this research is to design a web portal as a knowledge sharing system for the undergraduate students in the FCSIT which will provide them with enough information to help them in choosing the job. The top level of the system framework includes the job portal creates a link between unemployed graduates and the ICT organizations and companies. This portal also should be as online recruitment system to help fresh graduates or final year students to find jobs through online services. This link between the faculty and the industry, with emphasis on sharing knowledge can enhance the quality of the educational environment. The framework of the system, gives rise to an improved online research environment for users. In today's academic environment, the availability of information and knowledge is an essential component of students' learning. When fresh graduates who are potential leaders for a country, cannot be absorbed for work in the industry, it becomes a major social problem. This situation also exists in Malaysia. Suresh Ram stated that 70% of students, who finished their studies at tertiary level education, cannot find a job. This shows how important it is to have access to the right information to find a job. It is important for the universities that provide information to jobless graduates on the jobs or career opportunities. Sulaimon and Burke [8] emphasized that it is necessary for the universities to pay more attention to their knowledge management system or web portals to have the necessary information for the students. Fig. 1 shows the schema of the proposed job web portal, in illustrating the relationship between the students and the faculty, and the unemployed graduates and the potential employers.

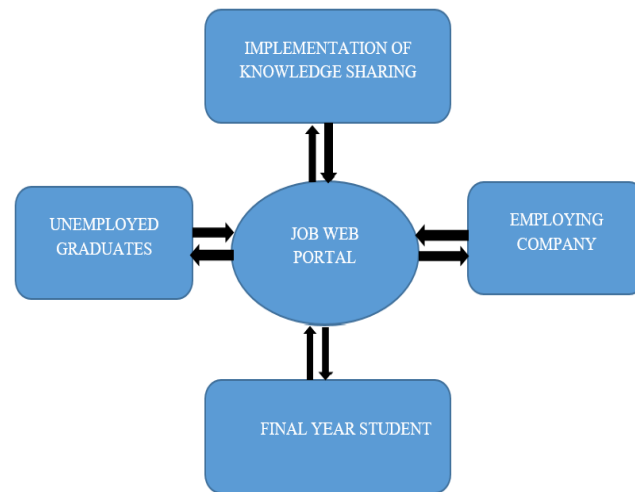


Fig.8 The conceptualization of the relationship between web portal, students and companies.

IV. CONCLUSION

This research has focused on improving the education environment in Faculty of Computer Science and Information Technology (FCSIT) by developing a knowledge sharing system that acts as a job portal. A job web portal provides an efficient search for online information on job vacancies for jobseekers. The main goal of this portal is to attempt to produce the right graduates based on the industry needs. However, it is important that be aware the job web portals can never fulfil all the problems of jobless graduation. From the reviews above I came into conclusion that an online job portal may be used to incorporate all the technologies and trends in recruitment process. There are also more challenges in developing online recruitment.

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