

CV WIZARD

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Abstract— The 'CV WIZARD' aims to develop the web application that will provide the Resume Builder along with the Job Portal. This facility will provide the candidate the easiness to create Resume/CV in proper format. Also candidate can apply for a job also search job by location and depending upon skills using various job matchmaking techniques. The Employer after login can post the job and can view the profile of candidate. In addition, it also facilitate the user to download resume/CV in pdf as well as document format, update Resume/CV, also to select the view of Resume/CV in two or more template form. CV Wizard also keeps record of Viewed and downloaded Resume/CV. After implementing these features the CV Wizard results in a website of Job Portal that as facility of the resume builder and many more advance features.

Index Terms—About four key words or phrases in alphabetical order, separated by commas.

I. INTRODUCTION

Curriculum Vitae: an outline of a person's educational and professional history, usually prepared for job applications (*L. lit.: the course of one's life*). Another name for a CV is a *résumé*. A CV is that the most versatile and convenient way to create applications. It conveys applicant personal details within the means that presents applicant within the very best way. It is often used to create multiple applications to employers in an exceedingly specific career space. A form is intended to bring out the essential info and private qualities that the leader needs and doesn't enable applicant/jobseeker to gloss over applicant/jobseeker weaker points as a CV will. Additionally, the time required to fill out these forms is seen as a mirrored image of applicant/jobseeker commitment to the career.

A. Use of CV

- When an employer asks for applications to be received in good format.

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- When an employer simply states "apply to ..." without specifying the right format.
- When making speculative applications (when writing to an employer who has not advertised a vacancy but who applicant/jobseeker hope my have one).

B. Things that makes a good CV

There is no single "correct" way to write and present a CV but the following general rules apply:

- It is targeted on the specific job or career area for which applicant/jobseeker are or may be applying and brings out the relevant skills applicant/jobseeker have to offer.
- It is carefully and clearly laid out: logically ordered, easy to read and not cramped up
- It is informative but concise in nature
- It is accurate in content, spelling and grammar. If applicant/jobseeker mention attention to detail as a skill, make sure applicant/jobseeker spelling and grammar is perfect!

C. Recruiters preferences

The discussion and interviews with recruiters were helpful to understand the required fields and most searched files in resume.

- Education
- Years of professional work experience
- Extracurricular activities
- Ambitions
- Personality
- Hobbies and interests
- Desired job
- Phone number
- Personal Information

D. Recruiters preferences

Reference [1] shows one survey of employers found the following mistakes

were most common :

Spelling and grammar 56% of employers found this

- Not tailored to the job 21%
- Length not right & poor work history 16%
- Poor format and no use of bullets 11%
- No accomplishments 9%
- Contact & email problems 8%
- Objective/profile was too vague 5%
- Lying 2%
- Having a photo 1%

A survey of US employers found that :

- 49% preferred a traditional reverse chronological CV (all jobs listed in reverse chronological order including duties)
- 6% preferred a skills-based CV with skills related to the job highlighted
- 39% liked a combination of both the above styles
- 2% liked a portfolio with examples of completed projects
- 4% had no preference

II. LITERATURE SURVEY

The literature reviewed for this paper has been referenced from different journals and articles related to the topic of this paper. CV wizard are the websites that collect the resumes/curriculum vitae from number of jobseekers and give guidance to write professional CV. Provide it to the end users on a single window. Website development is a costly initiative and not only that it costs the company to develop it but it requires significant business process change in order to influence it for business benefits. LinkedIn has implemented an informative job portal which has a unique characteristics and functions but there is no resume builder in professional format they used search engine for developing resume. UW career center describe how to write Resume/CV in proper format. Resume booklet is also used at time developing CV wizard to checked the requirement for Resume/CV [2]. According to CV-Wizard users having ability to access a wide variety of format to developed resume directly from only filled once and then covert it into the number of template format according to the company's requirement. People's resumes and ability profiles are a form of knowledge that's of a specific connection to the Expert Finder initiative that aims to develop vocabularies, their rule extensions, best practices and proposals towards standardization of information that will provide to user by CV-Wizard Job portal.

Job Portal websites are viewed and studied such as Naukari and Monster. The numbers of companies are registered on these websites so that they can add post to the websites and the notification of it sent to the User. Some of the websites uses concept of Screen Scraping. Screen Scraping is the method of copying the data from other website's user interface. The example of Screen Scraping is Jungalee.com, the shopping website that contain all the information from other websites and also provide the facility of comparison between prizes. The same concept can be used while developing website 'CV Wizard'.

III. GENERAL ARCHITECTURE OF JOB PORTAL SYSTEM

Reference [4] shows the general architecture of Job Portal System that has User Agent and Company Agent communicating with each other through Job Portal.

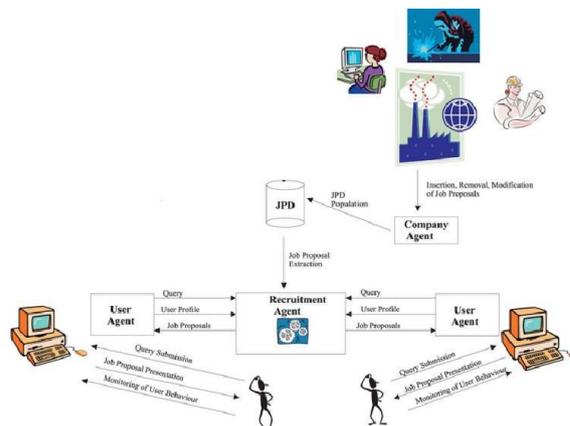


Fig 1: General Architecture of Job Portal System

IV. MVC BASED ARCHITECTURE

MVC stands for Model View and Controller. It is a design pattern that separates the business logic, presentation logic and data. Controller acts as an interface between View and Model. Controller intercepts all the incoming requests. Model represents the state of the application i.e. data. It can also have business logic. View represents the presentation i.e. (User Interface) [7].

Reference [7] gives the advantages of MVC Architecture :

- Navigation control is centralized Now only controller contains the logic to determine the next page.
- Easy to maintain
- Easy to extend
- Easy to test
- Better separation of concerns

Fig. shows the general architecture of MVC design pattern that used while implementation of the 'CV Wizard' [7].

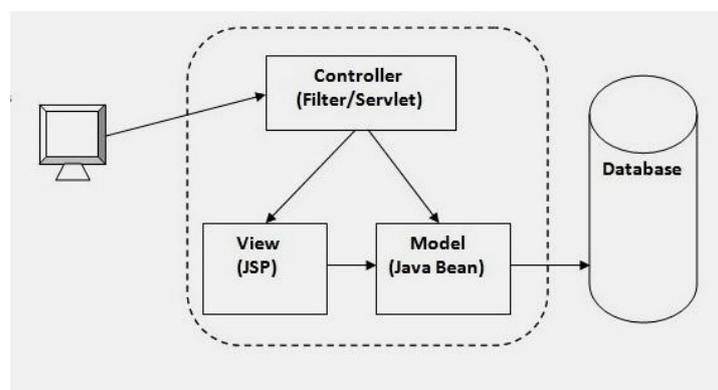


Fig 2: General MVC Architecture

The Implementation of Job Portal and Resume Builder is done using MVC Architecture. The View of CV WIZARD contains the User Interface of Project. The User Interface contains all the pages designed in Project, how they looks and how they are going to functioning in project such as the form that is going to fill by Jobseeker, the Menu bar, where to locate it , the data which we are going to display the User. These types of files such as JSP files are created and stored in View of MVC.



The Model contains the JAVA files that contain data. The data which is going to store and can be retrieved later is coded in Model. The some of the files that are implemented in Model are DatabaseConnection, pdfgeneration, jobseekerResme, Mail, Education etc

The controller as specified above, intercepts all incoming requests. Mainly CV WIZARD contains all AddEmployer, AddExperience, ApplyForJob, Password, Location etc in Controller.

MVC Architecture provides facility to easy maintain, extend and test the code of project.

A. Algorithms used while implementation PDF Generation

Algorithm :

The following Algorithm used to generate the general pdf [5].

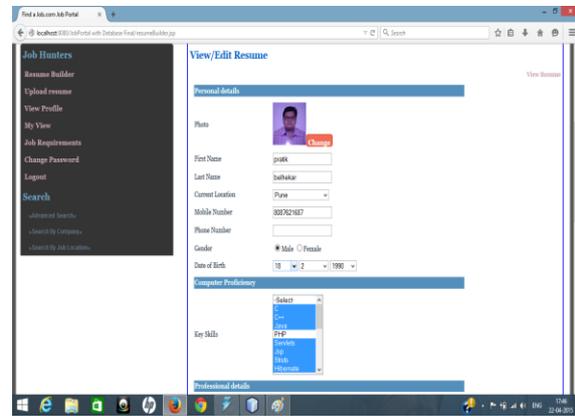
- Start
- Import the classes Document, DocumentException, Paragraph, PdfWriter etc.
- Create a Document instance that represents the Pdf document. By using this instance methods are called.
Document doc = new Document();
- Create the PdfWriter and pass the document instance and OutputStream to the constructor.
PdfWriter.getInstance(document, new FileOutputStream("MyWorld.pdf"));
- Open the document.
Document.open();
- Add content to the Document instance.
Document.add(new paragraph("This is a Document"));
- Close the Document instance to flush all content in the Document to the PdfWriter.
Document.close();
- End

Pdf generation of Resume/CV is done using itext that have some libraries can be used efficiently. By downloading and

importing these packages PDF can be generated successfully [6].

V. DEPLOYMENT DESCRIPTION

The Implementation of 'CV Wizard' contains two modules. The first module contains the operation handled by candidate such as Login, Create Resume, Update Resume, Apply for Job, Search Job by Location and skill matching [4].



The Second module contains Job Portal that includes Posting of Jobs, View applied Resumes, Mail to candidates etc.



VI. TEST SCENARIO

Table 1: Comparison

S.No	Other Websites	CV Wizard
1	LinkedIn provides only profile creation not the Resume/CV in proper format.	CV Wizard provides facility to create candidate profile along with Resume/CV in proper format.
2	Shine.com is the website that contains the job portal but does not provide facility to download and pdf format of Resume/CV.	CV Wizard provides Resume/CV in both template and PDF format.
3	Naukari.com provides all the services in paid manner.	CV Wizard provides all the services in free.

REFERENCES

Table 2: General Test Scenario of CV WIZRD

S.No.	Input	Steps	Expected Result
1	Fill the form to make a perfect CV or Resume as a Registered User.	-fill the Personal info - fill the Education details - Enter the Project worked on and Experience - Submit the information	-resume/CV generated in PDF Format - Shared on Social Media such as Facebook - Resume or CV able to download - Resume can be saved in form of Templates - Apply For Job by uploading the resume/CV in the form of pdf or documental form.
2	Adding job post to the website so that visible to all jobseekers.	-Login with valid emailId and Password -Add all the information regarding vacancies in company.	-Job post visible to all Registered Candidates. - View mail that contains all the applied Resume/CV -Send Conformation to the Jobseeker.

[1] Online Resumes: Optimizing Design to Service Recruiters: ECIS 2010
 [2] http://careers.usc.edu/docs/handouts/Resume_small.pdf
 [3] Assessing the Effectiveness of the Model View Controller Architecture for Creating Web Applications
 [4] An XML-based Multi-Agent System for Supporting Online Recruitment Services
 [5] <http://tutorials.jenkov.com/java-itext/getting-started.html>
 [6] <http://itextpdf.com/examples/iiia.php?id=12>
 [7] <http://www.javatpoint.com/model-1-and-model-2-mvc-architecture>

VII. SOFTWARE AND HARDWARE REQUIREMENT

A. Software Requirement

Operating System: Windows
 Language: Java, MySql
 Front End: Java Server Pages, JavaScript, JQuery, Ajax, Xml, Html, Css
 Back End: MySQL
 Web server: MySQL 5.0

B. Hardware Requirement

CPU: Pentium and next vrsions
 RAM: 2GB
 HARD DISK: 320 GB

VIII. CONCLUSION

The entire requirements for perfect CV can be fulfilled by writing the online CV. For online resume builder the architecture describes the components like user, recruiters etc. The CV Wizard is web application that provides Resume Builder along with the Job Portal with some advance features such as Share CV, Mail System, and Templates for Resume/CV.