Job Tracking System

[1] Babeetha Murugantham, [2]Roman Sharma, [3]Rajdeep Das, [4]Sumeet Karkoon
[1] [2] [3] [4] Dept. of IT SRM University Chennai, India.
[1] babeethas14@gmail.com, [2]romansharmagold@gmail.com, [3]rajdeepdas.feb11@gmail.com,
[4]sumeet.karkoon96@gmail.com

Abstract: Job Tracking System (JTS) is a web based online system. It is a centralized system in which data is stored in a centralized manner. Besides, it is a paperless automated system and is compatible with mobile devices. It enables the employees to raise a job request when required. It helps the organization as a whole and the user in particular to delegate the raised job effectively. It also maintains a record right from the starting of the job to its completion. Users are able to view and assign the job raised according to their roles. Moreover Job Tracking System (JTS) motivates employees to keep track of the assigned tasks and their status.

I. INTRODUCTION

Job Tracking System (JTS) is a web-based online system used to provide digitized way of raising jobs and keeping track of the task to be done instead of manual process.   It is a centralized system in which data is stored in a centralized manner. A paperless automated system which is compatible with mobile devices. The JTS portal provides online solution for assigning the raised tasks by considering the load analysis and monitoring their status. It enables the employees to raise request when required. It helps the user to take up the job effectively which in turn helps the organization as a whole. It also helps to maintain a record right from the beginning of the task to its completion. The most effective part of this system is that it helps the user to view and assign job according to designated roles. JTS motivates employees to keep a track of assigned tasks and their status.

II. EXISTING TECHNOLOGY

PROPOSED FEATURES AND ARCHITECTURE

HTML:
 HTML stands for Hypertext-Mark-up Language, which is widely used mark-up language for creating and developing web pages . Other information that can be displayed in a web browser. The concept and terms evolved from the "marking up" of paper manuscripts. In digital media this blue pencil text was replaced by tags, that is, instructions are written directly by tags or "instruction text encapsulated by tags".HTML is similar to SGML, although it is not a strict subset. HTML defines the structure and layout of a Web document by using different tags and attributes. There are hundreds of other tags used to format and design the information in a Web page. Tags are also used to indicate hypertext links.

PHP:
PHP which stands for Hypertext Preprocessor is an open source, Server-side , HTML ingrained scripting language used to design dynamic Web pages. In an HTML document, PHP script (similar syntax to that of Perl or C) is confined within special PHP tags. PHP is supported with tags, the programmer can switch between HTML and PHP (similar to ASP and Cold Fusion) instead of having to rely on huge load of code to output HTML. PHP can do any task that any CGI program can do, but its advantages lies in its ability to work with many types of databases. Also, PHP works with different networks using IMAP, SNMP, NNTP, POP3, HTTP.

CSS Cascading Style Sheets (CSS):
CSS is a style sheet language used for depicting the look and formatting of a document written in a mark-up language.CSS is designed mainly to enable the split of document content from documented presentations, including all the design elements like background, fonts, colors on various parts of the page. In this so-called cascade, priorities or implicatons are calculated and assigned to rules, so that the results are predictable.

JAVASCRIPT:
 JavaScript is a scripting language progressed by Netscape to enable webpage developers to design interactive sites. Although it shares many of the features and object structures of the original Java language, it was created independently. JavaScript can

interact with the HTML source code, enabling Web developers to add extra features to their sites with dynamic content. JavaScript is used by a number of software companies and is an open language that can be used without purchasing a license. JQuery is a JavaScript library that enables web developers to add added functionality and operability to their websites. It has an open source and is provided for free under the MIT license. In recent years, jQuery has become the most popular JavaScript library to have been used in web development. To implement jQuery, a web developer simply needs to refer the jQuery JavaScript file within the HTML code of a webpage. Some websites host their own local copy of jQuery, while others simply work by referring to the library hosted by Google or the jQuery servers.

BootStrap:
Bootstrap is frequently used in HTML, CSS, and JavaScript framework for making the website responsive and mobile-first web sites. Bootstrap is a free and open-source front-end library used to create websites and web applications. It has HTML- and CSS- design templates. These are used for navigation and other user-interface components, as well as optional JavaScript extensions. Bootstrap is used to ease the development of dynamic websites and web applications. Bootstrap is a front end web framework, that is, an interface for the user.

MySQL:
MySQL is an open source Relational Database Management System (RDBMS) based on Structured Query Language (SQL). MySQL runs on virtually all platforms, including Linux, UNIX, and Windows. It is used in a wide range of applications, MySQL is most often related with web-based applications and online publishing. It is an important part of an open source enterprise stack called LAMP.

Notepad++:
Free source code editor and Notepad replacement. Running in the Windows operating system, its is governed by GPL License. It is based on the powerful editing component "Scintilla", Notepad++ is scripted with C++ and uses Win32 API and STL which assures a higher processing and small program sizes. By improving as many techniques as possible without losing user friendliness, Notepad++ is trying to diminish the world carbon dioxide production.

ADVANTAGES

1. JTS helps in making the work flexible and easier for the employees.
2. All the requested/ raised jobs can be sequentially executed foe greater efficiency and accuracy.
3. The different phases of a business process can be separately recognized and executed without all possible process overlapping and wastage of invaluable company resources.
4. The user interface is light and variedly compatible with all computer browsers this ensures extreme portability along with lower load on the devices.
5. Different levels of access can be granted to ensure the hierarchical order of all the individuals involved in a job and their different levels of authorization.
6. Multiple jobs can be raised and completed simultaneously without hassle and mix-up of sub processes under each job.
7. There is always the scope of minor adjustments in the system to ensure greater compatibility between users and the application.

III. WEB DESIGN- BROWSER COMPATIBILITY

It is compatible with google chrome. We are working on making it compatible with other devices.

IV. CONCLUSION

This project, made by me, is a small effort made towards the development of larger programs, and it involves limited aspects which are required in training management. In our system we have covered raising of an organizational structure as a whole, requesting for a job and assigning it. This can be further extended to job revert and review. Also, the assignment of job can be done on the basis of load chart for its effective and efficient completion. The latter points were not covered by me due to time

constraints. The software development although is a very difficult task but it can be carried out successfully. After the completion of this project, I have learned different things about software and its development and hope to employ the skills which I have acquired during this tenure for development of technologies.

ACKNOWLEDGEMENT