WEB BASED TOOL MANAGEMENT SYSTEM

[1]R.Dharani, L.Mogana priya[2]

Department of Computer Science,

IFET,

Villupuram

India

ABSTRACT: *The aim of the project is to develop tool management system that is able to deliver access to anyone authorized organization anytime, anyplace on a prespective device.The system developed make use of rich tools available in the organization.The system shares the advantage of web application, automation, standardized manner for the tools which is used in the service sector and admin in the organization and removes the disadvantages of the system. The problem solved in this system includes absence of human work to search the database for the tools which is used in the organization for service oriented work. No support for a document type simply means no access to the content of the document. Complexity of various software packages .Different document type use different software package which work in the way differ dramatically, which significantly reduce the usability. Security Virus and Spy ware hidden in the document maintenance.The longer the lifetime of software, more bugs will be exposed. Update and configuration on each organization usage of tool can be a headache. At the end of the project, a web based Tool management system is developed. This system enable user to manage tools within the database with the support of database server is installed. In other word, the only requirements are an server and a web browser. The system extracts useful data from the original document, re-organizes the information according to specific tasks or users, and displays in an integrated database. The study identifies the comprehensive functional requirements from existing Web-based collaboration systems, and finds out new user requirements by way of a Web-based survey in the world.*

Keywords– *Automation, Standardization, tool list, master tool list, supplier list.*

---

1. INTRODUCTION

Web based tool management systems are designed to manage and store tool information that are used in web-based applications and the organization who having the service sector. By different groups of people such as, seals department, programmers or project managers will be let by tool applications a controlled access to information and automated distribution of information.The objective for collaboration has been: getting thing done faster, cheaper and better by applying their common knowledge, bringing together a selection of resources and attainments in a tool. Because valid collaboration with teams improves productivity, speeds up result-making and optimizes of making a right decisions, it also helps to intercept precious intellectual fortune and time. Web-based tool management system

can surprisingly increase performance,productivity and efficiency within an organization. Since web-based applications can be accessed through any web browser, no desktop installation or updates are required. Moreover, developers, who write great code while staying out of the way are able to use it along the distance, while they stay in geographically different place and collaboration between team still exists.As before , tools data were managed mostly by document and the paper record format.Later on management tools and techniques were formalized to more professional and modern solutions. Today‟s rapid technological advancement, of IT industries,and globalization, tool management solutions are in demand throughout the world as a fundamental force to complete projects within a defined scope, time,and within cost constraints. But what does tool management by itself mean?Tool management is like a series of actions added to a process of getting things done on a project by working with project team members to reach tool schedule, cost and technical performance objectives. Definitely we could say that tool management is a carefully planned and organized effort to accomplish a specific one-time objective.Later on, quantifying the resources is needed, determining budgets and timelines for completion. We can‟t forget to mention, that tool management also includes managing the implementation of the tool plan, along with operating regular controls to ensure that there is accurate and objective information relative to the plan, and the mechanisms to implement recovery actions where necessary. For last and maybe the one important thing that tool management includes is risk management of tools.

2. RELATED WORK

Cerovsek, T., and Turk, Z. (2000). “Prototype Internet Desktop for Engineers.” Product and Process Modeling in Building and Construction. Proc., 3rd European Conf. on Product and Process Modeling in the Building and Related Industries, Goncalves, Steiger-Garcao and Scherer, eds., Rotterdam, the Netherlands, 83-90.

This paper presents a conceptual model of metadata-based information system for data exchange among Web-based documents for construction project management. The system extracts useful data from the original documents, re-organizes the information according to specific tasks or users, and displays in an integrated web page. The study identifies the comprehensive functional requirements from existing Web-based collaboration systems, and finds out new user requirements by way of a Web-based survey in Singapore. Based on the requirement studies, a prototype model is developed using Unified Modeling Language (UML). Implementation of the conceptual model applies eXtensible Markup Language (XML) technology. Discussions on major concerns about information security, data accessibility, and service quality are given.

software project management: from concept to deployment / Kieron Conway.

Scottsdale (Ariz.) : Coriolis, c2014Software project management / Bob Hughes and Mike Cotterell, London [etc.]:

The reliability and robustness of a web based project management system has also been set as the structure of the current thesis. Finally, a web based project management system has been developed, which highly meets the

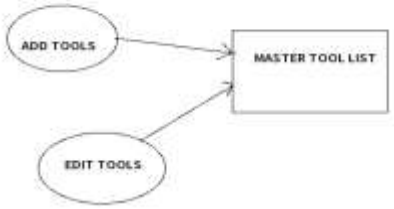
standards and requirements set by the company. The webbased project management system uses an already integrated TRAC application that has improved to suite companies needs.

In addition to scheduling, many project management activities are critical for project success. The SwRI-developed Project Information Management System (PIMS) is an integrated web-based project management tool that allows project managers to coordinate and complete many of these activities online, using any web browser. PIMS supports many functions, such as action item tracking, risk management, online checklists, and document and image management.

3. ADD TOOL MANAGEMENT

It contain three master tables called master tool list, supplier_master table ,purchase table. In this the tool module contain the add tools to add the new tools in the database ,then the tool specification is used to edit the data in the database by preview option and also used to to add the tools by using next option.The master table contain the master table for tool which are all added. In this section the tools will be added in the database which are all the tools used by the service team for service and other department also.

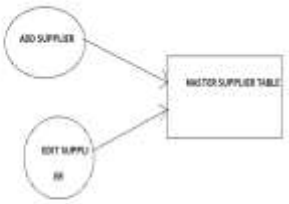
Figure 1 demonstrates the schematic chart of add tool processes .



4.ADD SUPPLIER MANAGEMENT

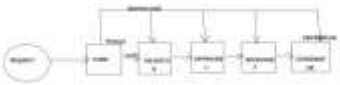
In this the supplier module contain the add supplier to add the new suppliet in the database,then the supplier specification is used to edit the data in the database by preview option and also used to to add the supplier by using

next option.The master table contain the master table for supplier which are all added. In this section the supplier will be added in the database and it will be explain that who are all the suplier what are alla the tools uaded by them the both data base will be merged together collectively produce the data in the master database.



5. PURCHASE MODEL

In this module the supplier request the form,while he requesting some columns in the form only visible for requestor the it will forwarded to the validator he will validate the form according to the company norms,the form contain the details about the tools and the employee to use the tool.In that some extra coloumn will be visible for the valuator ,then the valuator send the form to the approver to approve that form after approved then it will be transformed to the coordinator to allocate the needed tool for the supplier.while the supplier request for the tool in starting the dummy mail will send to the validator,approver and the coordinator that the supplier will going to order for a tool then they will ready to proceed further.



6. CONCLUSION

The result of the project is described from the perspective of the aim and scope set in the beginning of the thesis. The ideas for the future web-based tool management system are also described here. The aim of the project was to make a complete, fully working web based tool management system for the company. Requirements from the company has been gathered and taken into account. As a good tool management system it has a possibility to add and delete tools and uniformly gives change for developers to be in constant contact with the customer requirements and expectations for the project. User management tool in web based tool management system is a good appliance for keeping eye on the project and for giving rights to different users by system administrator in company. This all makes a complete and good communication system inside company, all data and material will be accessible from one place, to facilitate the solution of a tool and contact communication with a client. Finally, the whole system has been tested to ensure that everything functions correctly before the system processes actual data and produces information that people will relay on. The result of the project responded to the customer‟s expectations. The company was satisfied with the features implemented and their reliability and robustness.

REFERENCES

[1]Software project management: from concept to deployment / Kieron Conway. Scottsdale (Ariz.) : Coriolis, c2013

[2]Software project management / Bob Hughes and Mike Cotterell, London [etc.]: McGraw-Hill, c2012, 3rd ed.

[3] Information systems project management: methods, tools and techniques / John McManus and Trevor Wood-Harper, Harlow [etc.] : Prentice Hall, c2013

[4] Subversion version control: using the Subversion version control system in development projects / William Nagel, Upper Saddle River (N.J.): Prentice Hall/PTR, c2010

[5]Systems Analysis and Design Shelly Cashman Adamski Boston 2012

[6] Software Engineering Roger S.Pressman UK, c2010, 5th ed.

[7]Ubuntu - http://packages.ubuntu.com/intrepid/libapache2-mod-wsgi

[8]OpenSSH - http://sial.org/howto/openssh/publickey-auth/

[9].http://ezinearticles.com/?Project-Management:-History-and Evolution&id=340860

[10] TRAC - http://trac.edgewall.org/

[11]SysteArchitecture-http://en.wikipedia.org/wiki/Systems_architecture.