Timesheet Monitor

OBJECTIVE:

This project entitled “Time Sheet Monitor” is developed for any development organization to enable the project manager to analyze the time spent by developers in building software and the average efficiency of the team.

Purpose of the system

The main purpose for preparing this document is to give a general insight into the analysis and requirements of the existing system or situation and for determining the operating characteristics of the system.

The project “Time Sheet Monitor” is developed for an organization to enable the project manager to analyze the spent by the developers in building software.

Project Description

- The project “Time Sheet Monitor” is a web-based application. This deals with time sheet of developer manager, administrator of a company.
- This lists about the developer’s projects and manager’s working for the company and for the projects they are working.
- The Company can even assess the project status, as the developer can type his daily time sheet sitting at his place and logging into this site through net.
- Once the user browsers the site and writes the time sheet, that database is reviewed by his manager sitting anywhere on net and estimate the work done.
- Hence it is very important for the software companies to maintain the information of the status of every projects and developers.

BACKGROUND:

Scope of the project

This Document plays a vital role in the development life cycle (SDLC).

This Requirement Specification is issued to describe the requirements for Time Sheet Monitoring. The scope of this document is to provide the necessary specifications for the development of Time Tracking Based software development project.

This software describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

Intended audience

The intended audiences for this document are primarily those who are responsible for development of Time sheet monitoring package based on BRS.

User Roles

User:

When the user clicks on the Administration module the default page is User. Here the user is administrator so he can view all the user names registered in the company with the username, password, full name and their designations.

Role:

When the user clicks on the option Role then he can view all the users with their roles described in the company.

Privileges:

When the user clicks on the option Privileges then he can view the privileges assigned to each of the

registered user of the company.

Company:

When the user clicks on the option “Company” then the administrator can view all the information of their clients. The entire information of the client company is stored with their name, URL, their complete address and phone numbers.

Company Projects:

When the user clicks on the option “Company Project “then he can view all the running Company projects with their clients, Manager and Developers with their active status. The Company can view the total ongoing projects, with the client information and Developers involved in it.

User Projects:

When the user clicks on the option “User Project” then the user can know each Developer’s information clearly. He can evaluate the status of each Developer, for how many companies he is working, for how many projects he is working and what are the time sheets for each project and what is the status of the involvement in each project.

FUNCTIONAL REQUIREMENT:

Module Description

The Project Time Sheet Monitor System is the web based application which deals exclusively the Time Sheet of the Developer, Manager, and Administration of the particular company. This project even deals with Expense sheet also, but presently we deal only with the Time Sheets of the Developer worked on a particular project for a week. It basically list outs the Developers, Projects and the Manager‘s working for the Company and for which projects they are working for. It even ease the task of the company to review the work efforts of each employee for each work and even reveal the productive work done by them. The company can even assess the project status by looking at the Time Sheet globally , as the developer can type his daily time sheet sitting at his place and logging into this site through net. Once the user (may be a Developer / Administrator / Manager) logs on to the net and browse the site and write the Time sheet daily or once in a week, that would be reflected to the database once in a week and that would be reviewed by his manager sitting anywhere and estimate

the productive work done by him for the complete week. The company will be able to view the entire work done by the employees sitting anywhere on the net. Hence this project is very useful for every software companies, Once the user enter to into the site and logs on with his username and password and enters his time sheet for that day or he may enter the whole time sheet for a week, once the user enters for a week then only the data will be entered into the database through server, till then the data will be stored as an xml document on the server. Hence this is the mechanism involved in the project. It is very useful to the companies to maintain the information of the status of every projects and Developers.

The user can be logged on to this site in two ways either as an Administration / Developer / Manager; hence the security privileges are accordingly distributed by the administration. As he has fully fledged powers, he is the one who sets the privileges to every user. Once user logged in is Developer, then he will be able to access only the Developer time sheet, when the user is Manager he will be able to access only Manager time sheet. Once the user is Administrator he can access all the three modules Developer, Manager, Administration. The Entire application can be divided into three modules. They are as follows:

1. Developer
2. Manager
3. Administrator

Once the user logged as an administrator, he will be driven to the screen where he will find two options one is Time Sheet and another one is Expense Sheet. When he clicks on the Time Sheet then he will shown with three options like Developer, Manager, and Administrator.

1. Developer:

Once the User clicks on the Developer, he will be viewed with four options. They are:

- Browse Time Sheet
- Search / Modify Time Sheet
- New Time Sheet
- Reports

2. Manager:

Manager is the person who is somewhat a high personality in the hierarchy, where he can make

comments on the work performance of his subordinates. Once the user clicks on the Manager option then he will be driven to the page with the following options.

- Approve Time Sheet
- Revoke Time Sheet
- Reports

3. Administration:

Administrator is the Key person to maintain the security of the project, he plays an vital role in assigning the user privileges. He even takes care of the entire site to run smoothly. Once the user clicks on the Administration option then he will be driven to the page with the following options.

- User
- Role
- Privileges
- Company
- Company Project
- User Project
- Company Role Privileges

NON-FUNCTIONAL REQUIREMENT:

Power and Flexibility - Because ASP.NET is based on the common language runtime, the power and flexibility of that entire platform is available to Web application developers. The .NET Framework class library, Messaging, and Data Access solutions are all seamlessly accessible from the Web. ASP.NET is also language-independent, so you can choose the language that best applies to your application or partition your application across many languages. Further, common language runtime interoperability guarantees that your existing investment in COM-based development is preserved when migrating to ASP.NET.

Simplicity: ASP.NET makes it easy to perform common tasks, from simple form submission and client authentication to deployment and site configuration. For example, the ASP.NET page framework allows you to build user interfaces that cleanly separate application logic from presentation code and to handle events in a simple, Visual Basic - like forms processing model. Additionally, the common language runtime simplifies development, with managed code services such as automatic reference

counting and garbage collection.

Manageability: ASP.NET employs a text-based, hierarchical configuration system, which simplifies applying settings to your server environment and Web applications. Because configuration information is stored as plain text, new settings may be applied without the aid of local administration tools. This "zero local administration" philosophy extends to deploying ASP.NET Framework applications as well. An ASP.NET Framework application is deployed to a server simply by copying the necessary files to the server. No server restart is required, even to deploy or replace running compiled code.

Scalability and Availability: ASP.NET has been designed with scalability in mind, with features specifically tailored to improve performance in clustered and multiprocessor environments. Further, processes are closely monitored and managed by the ASP.NET runtime, so that if one misbehaves (leaks, deadlocks), a new process can be created in its place, which helps keep your application constantly available to handle requests.

Customizability and Extensibility: ASP.NET delivers a well-factored architecture that allows developers to "plug-in" their code at the appropriate level. In fact, it is possible to extend or replace any subcomponent of the ASP.NET runtime with your own custom-written component. Implementing custom authentication or state services has never been easier.

Security: With built in Windows authentication and per-application configuration, you can be assured that your applications are secure.