TIME TRACKING SOFTWARE

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We have compiled and assessed this project a believe it to be of a reasonable size for a term project.

Chitrang Pandit,

Chilat Shah,

Sahil Chaudhary,

Akash Kanaujia,

Sidharath Verma

Project Description

GENERAL OVERVIEW AND MOTIVATION:

Time Tracking Software is an open source web application developed using C#, Ajax, MS-SQL Server. It enables the organization to keep records of the similar task's timelines assigned to different employees or actual time spent on particular projects. It provides reports to measure productivity and performance of individual and team which is quite helpful for better future planning.

Time tracking software application consists of tow modules, One for employees of the organizations – who can login to the system with their credential and enter their daily timesheet. Employee can choose project, task and enter the time to complete that task. The other one is for the Administrator of the organization – who can see all the timesheets fill by employee on its dashboard. Administrator can generate reports of timesheet by Project-wise/Employee-wise/Task-wise

Our project follows object oriented programming principles which led to the realization that the project has a wide scope of implementing refactoring techniques. Also, most of the team members are familiar

with C# programming, AJAX and MS-SQL in which this project is developed so it matches our area of interest which motivated us to select this project.

MATURITY OF PROJECT:

The project is stable and it has 8 contributors and the last update of the project was done on 08-July-2013.

PROJECT DOMAIN:

Main idea behind this project is to keep the track on time that an Employee take to complete a particular task or a total time taken by a project to complete. This information will help organizations to do time management, to keeps record of the similar task, to do better planning for the future project and its partially related to financial planning based on the data.

Project Size and Scope

We used Microsoft Line of Code Counter to count lines of code for the project.

The entire Project contains of 14,319 SLOC which has 68 classes. Admin module contains 6716 SLOC and User module contains 3131 SLOC.4472 SLOC used in other modules. We will focus on Admin module as it has 6716 SLOC which is reasonable for the term project.

Group Members

Chitrang Pandit:

I have worked in C# language, SQL server for almost a year. I also developed my Academic project in C# language and using MS-SQL server last year. I have not much experience in AJAX so this project will help me to learn this aspect. Furthermore I will learn to apply refactoring techniques in this project.

Chilat Shah:

I have almost 6th month of work experience with C# language. I have completed my last year of project in bachelors' with C# and SQL server. I also have working experience with PHP language and object oriented programming. I am glad to learn refactoring techniques with this project which I have never used.

Sahil Chaudhary:

I have 1 year of experience in C# language using MySQL. Most of my experience has been in the software implementation side, where mostly the design decisions were taken by Software Architect of my team. This project will empower me with design patterns, to make right decisions during software design phase as well as ease in comprehending and refactoring the existing software.

Akash Kanaujia :

I have 5 years of experience in Microsoft technologies, specially in SharePoint, Asp.net, MS Sql server and Active directory. During my work stint I focused on web and desktop application. We downloaded the project and I helped in configuring the timesheet application. Using my skills and this course material will understand existing code and architecture of timesheet application and refactor the code by help Techniques will be taught in this course.

Gautam Sidharath Verma :

I have Experience in development of Software solutions based on J2EE specification. I chose this project because I have a basic understanding of C# and this is a interesting project to improve my working knowledge of C#. Participation in Re-factoring this project gives me an platform to utilize and enhance my Design Pattern implementation skills.