

Web application for Task Management System with Android Application

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Abstract— Task Management System aim is at manages all tasks as well as the workers accomplice with the organization works. It develops an ordinary interface for different departments of an organization firm. This web application is establish for such a climate where the task is assign by employees to sub employees. This system provides security to department privilege and sensitive information to making unique/single entries and speeds up the activities of the company works. The data of the entire organization firm will be takes care by centralized common database system. Employees get email on registered ID, message on registered mobile number and notification on his enrolled account and mobile application when the task is allocated and closed and reassign and wait for someone else review. It makes all company person part of the team or units and helps in selection to check make workers available when task is to be assigned or given. The cost of maintenance of this system is low.

Key words: Common interface, Notification, Selection procedure, Securities, Maintenance

I. INTRODUCTION

This is a web application by which any organization can manage tasks among its employees. This project has various functions like comment on task, upload files and download files, forward tasks, edit existing project and create new project tasks, employee details, user details and client's details etc.

With Task-management web-based application, the all the information of the organization will be handled by a cluster database. In this system dashboard shows the details of assigned tasks and given tasks.

In this web-based application, notifications of share task are done via android mobile application and via message and electronic mail system. Task management system also allow to attachments so the employees easy to understand task and get the important information files with particular task. The system allows reassigning task if the assigned task is not completed properly.

Task Management system also have mobile android applications. It shows notification of newly assigned task and task history of previous tasks. Employees get email on registered ID, message on registered mobile number and notification on his enrolled account and mobile application when the new task is allocated and closed and reassign and wait for someone else review.

A. The Tools Use in Task Management System:

1) Devexpress:

Devexpress tool provide a tools for windows application, web applications and mobile applications.[1]

2) Ajax:

Ajax stands for "Asynchronous Javascript and XML(Extensible Markup Language)", is a combination of

techniques/skills for building highly interactive web applications and web sites.[2]

B. Languages Use in Task Management System:

1) Asp.net with C#:

ASP.NET is a combination of Web development tools developed by Microsoft. Visual Studio .NET program and Visual Web Developer program allow developers to create dynamic websites using a visual interface.[3]

C# (pronounced "C-sharp") is an object-oriented programming language developed by Microsoft that aim is to combine the computing power of C++ with the Visual Basic. C# is based on C++ and contains features similar to those of Java programming.[3]

2) Android:

Android is a mobile operating system(OS) developed by Google. The Android operating system (OS) is based on the open Linux kernel. Unlike the iPhone IOS OS, Android is open source operating system, meaning developers can modify and customize the OS for all android phones. Therefore, different Android-based phones may have different graphical user interfaces GUIs even though they use the same OS.[4]

3) SQL Server 2005:

SQL is a "Standardized Query Language" for requesting information from a database. The original version called "SEQUEL" (structured English query language) was designed by an IBM research center in 1974 - 1975. SQL was first introduced as a trading database system in 1979 by Oracle Corporation. SQL server is very helpful to stored and retrieved data form database [5]

C. Drawbacks in Existing System:

- The current task allotment system in a company is a manual process where all the data is managed in the form of records.
- In existing system tasks are allocated manually so there is higher chance of multiple entries.
- To transfer information between different departments of the company or organization, letters or documents or text messages are used. Sending letters takes time, and this process is time consuming.

D. Proposed Advantages:

Following points shows the task management system advantages:

- Up-to-date task details is available to team members online in real-time.
- Reduces/Decrease paperwork.
- Centralized database helps to speed task related data searches.

- Virtually eliminates employee's idle time, providing them with a complete task manager and a project development plan.

E. Implementation/Modules:

This project deals with three modules:

1) Administrative Module:

This module takes care of the data regarding the administrator managers and HOD's who are working for the organization. This module is developed in ASP.NET desktop application. The main task of administrative module is creating a new user account and maintains details of user accounts.

2) Task-Management Module:

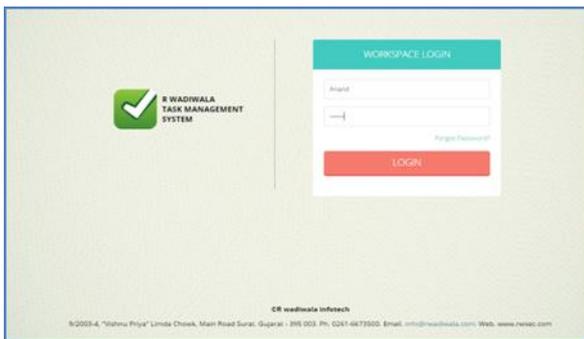
This module generally takes care of the data about all the tasks that are constructing at the level of organization principle. All tasks under the system are registered in this module.

3) Task-Scheduling Module:

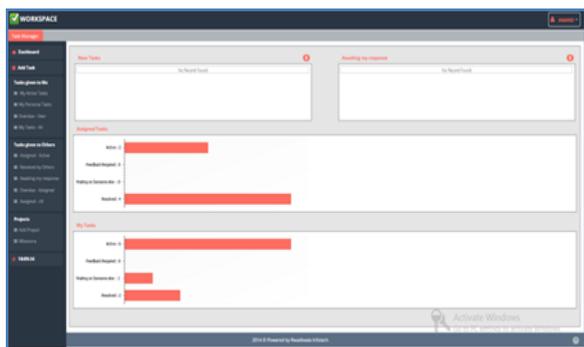
This module takes care of data regarding the tasks. It records or stores the date-time when a particular task is allocated to workers and by what date and time the task is to be finished.

II. RESULTS

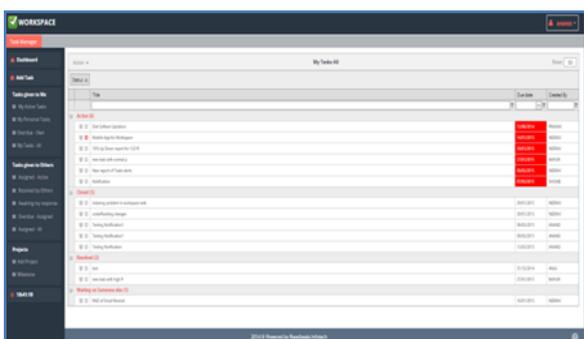
A. Login Page:



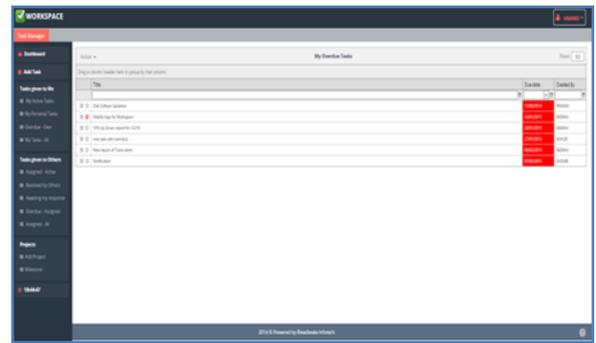
B. Dashboard:



C. All Task:



D. Overdue Task:



III. FUTURE WORK

The Develop Android Application is work slower so in future it has to be modifies or changes and increase performance. In further also develop IOS and windows based application for task management system. In future we try to develop more user friendly application.

IV. CONCLUSIONS

Task Management System goal is at manages all tasks as well as employees among its organization. This web application has various parts like downloading/uploading files data and, forwarding task to other colleagues, editing to existing/old tasks and create new project task and assigned to employees and sub-employees or generate own tasks. In this system, notifications or alerts of task allocations are done through via sms system, email system and mobile android application notifications. In this system it also stores the date-time details of task creation and closed so the admin or manager easily identifies employee's efficiency and capability to do task effectively or not.

REFERENCE

- [1] [1] Paul T. Kimmel with Julian Bucknall, Joe Kunk: Professional DevExpress ASP.NET Controls- November 2009
- [2] Wallace B. McClure, Scott Cate, Paul Glavich, Craig Shoemaker: Beginning Ajax with Asp.net
- [3] Imar Spanjaars: Beginning ASP.NET 4.5: in C# and VB-November 2012
- [4] Wei-Meng Lee: Beginning Android Application Development
- [5] Robert Vieira: Beginning SQL Server 2005 Programming-February 2006