

Project Tracking System

Mrs.B.Sathyabama¹, Mr.Manivel², Mr.T.Nagarajan³, Mr.A.Kingston⁴

¹Assistant Professor, ^{2,3,4}Final MCA,
^{1,2,3,4}PG and Research Department of Computer Applications,
^{1,2,3,4}Hindusthan College of Arts and Science, Coimbatore, India

Corresponding Author: Mrs.B.Sathyabama

Received 17 September 2019; Accepted 02 October 2019

Abstract: The Project entitled “Project Tracking System” deals with the various levels of project development and will account for time used in analysis, design, programming, testing and verification etc. It is well known fact that software companies undertake huge projects more than one at a time. Hence there is a profound need for the organizations to manage all the projects efficiently and ensure that projects cycle goes on smoothly and they are completed on time. During the lifetime of a project, the organization has to commemorate all the activities of the project. This tool makes it easier for the organization to monitor the projects. It maintains records and tracks various parameters that influence software project development process and helps the management to take decisions at various stages of the project development. The product will assist the organization in maintaining record of every project it undertakes. All the information relevant to the projects like size, time, effort and departments involved, etc is maintained by this tool.

Keywords: Project Maintenance, Status Checking, Project Status.

I. INTRODUCTION

PROJECT TRACKING SYSTEM deals with the various levels of project development and will account for time used in phases viz analysis, design, coding, testing and implementation etc. It gives the management clear picture of usage time by projects. By analyzing the results provided by the software they might rectify the defects in utilizing time and take remedial actions. The project gives the individual report of the project, which contains time used for various tasks. In this tool, CLIENT gives requirements to the BDO and makes an agreement with him. The new project information is entered by the BDO, based on the project information the PROJECT MANAGER will take resources from the HR and assign activities to DEVELOPERS who are working under him. Employees fill the time sheet and complete the task assigned to them. These completed tasks are tested and finally the project is submitted to the client.

II. OBJECTIVES

The objective of this application is functionality and architecture of the ‘PROJECT TRACKING SYSTEM’ and to estimate the effort of the project.

The general objectives are:

- Maintain project details.
- Maintain client details.
- Maintain employee details.
- Maintain timesheet for various levels of project.

III. MODULE DESCRIPTION

This project deals with five modules – **Client, Business development officer (BDO), Developer, Human Resource Manager (HR), Project manager (PM)**.

- ✓ **Client** deals with checking the status of the project by the client. Only the authenticated client login to the web page and checks in which phase the project is.
- ✓ **BDO** deals with collecting the requirements from the client and add the client details and project details into the database and also views and updates the respective details.
- ✓ **Developer** deals with filling the timesheets, updating and viewing the timesheets and also checking the project status.
- ✓ **HR** deals with providing resources to the project manager by checking the employee details like skill and designation. HR can also view the status of the project.

✓ **PM** deals with planning the project i.e. dividing the project into different tasks and assigning those tasks to the developers. PM also checks the timesheets of developers, fills his timesheet, updates and views the timesheet. PM can also check the status of the project.

Project Tracking System will do the following tasks:

- Record different phases of a project.
- Define phase wise tasks.
- Keep a track of project schedules.
- Record project definition.
- Phase wise project closures.
- Assign resources to a project.
- Access control for resources.
- Take daily efforts from each resource

IV. METHODOLOGY

CONTEXT DIAGRAM

The context diagram is a data flow diagram showing data flows between a generalized application within the domain and the other entities & abstractions with which it communicates. One thing that differentiates the use of data flow diagrams in domain analysis from other typical users is that the variability of the data flows across the domain boundary must be accounted for with either a set of diagrams or text describing the differences.

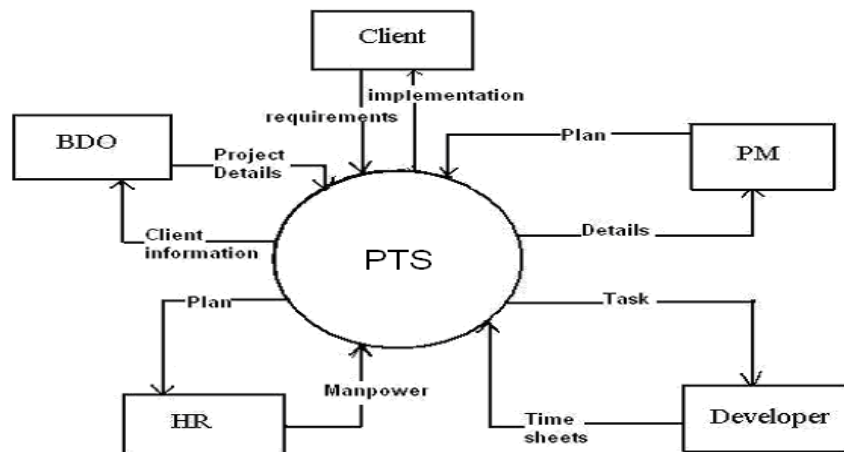


Figure 1: Context Diagram

Client DFD

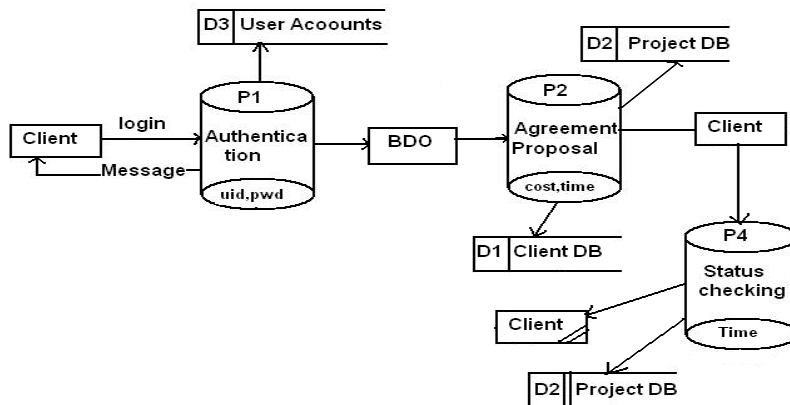


Figure 2: Client DFD

BDO DFD

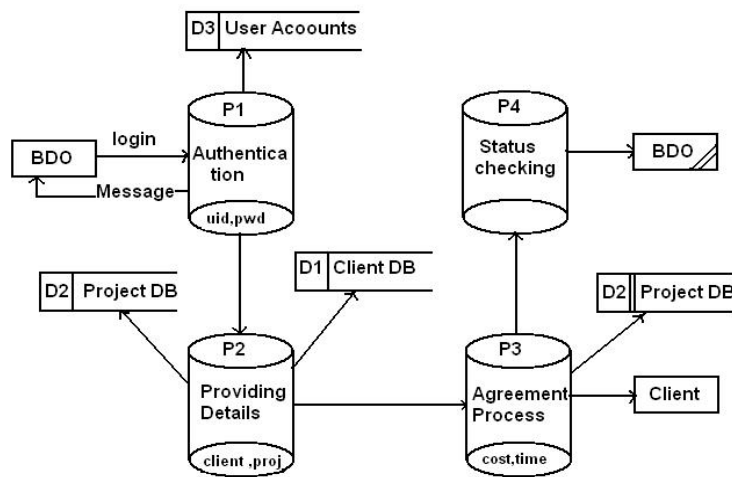


Figure 3: BDO DFD

PM Level1 DFD

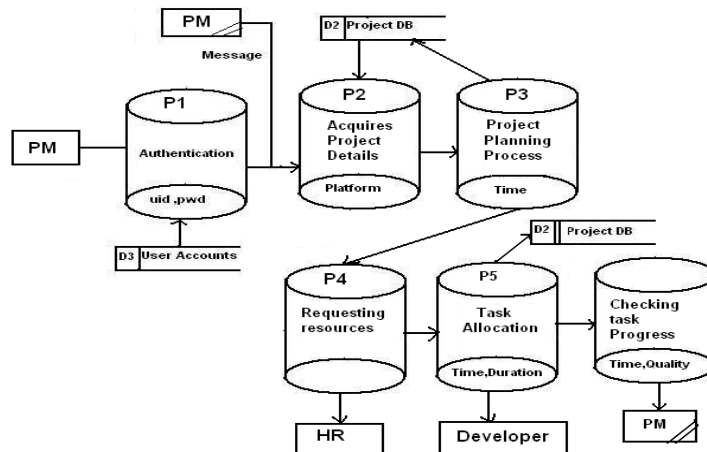


Figure 3: BDO DFD

PM Level2 DFD

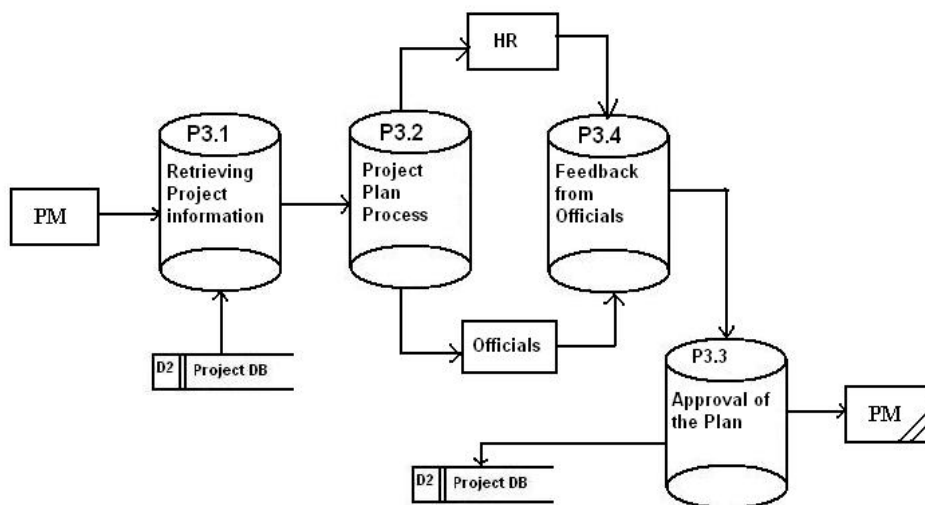


Figure 3: PM Level2 DFD

Human resource DFD

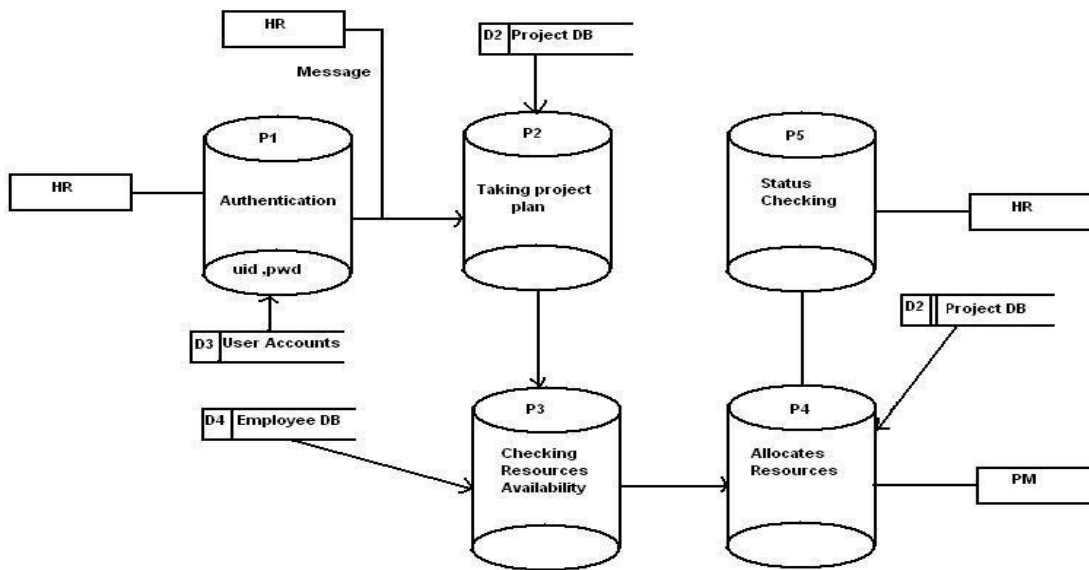


Figure 4: Human resource DFD

V. PERFORMANCE EVALUATION

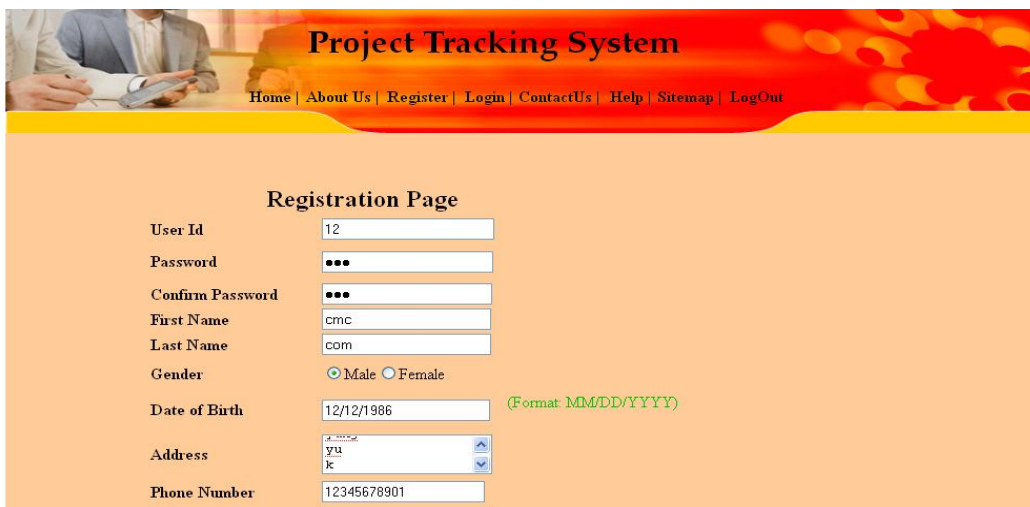


Figure1: A Page for Registration

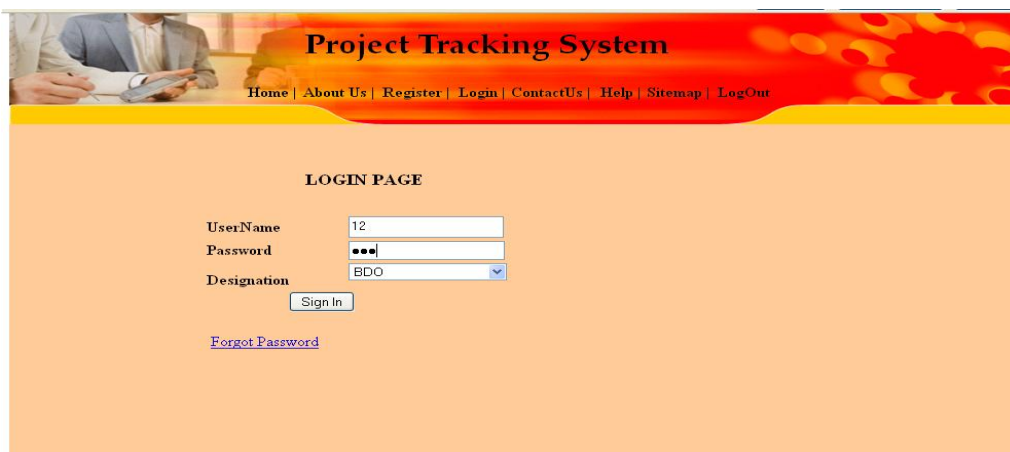


Figure2: A Page for Developer Login

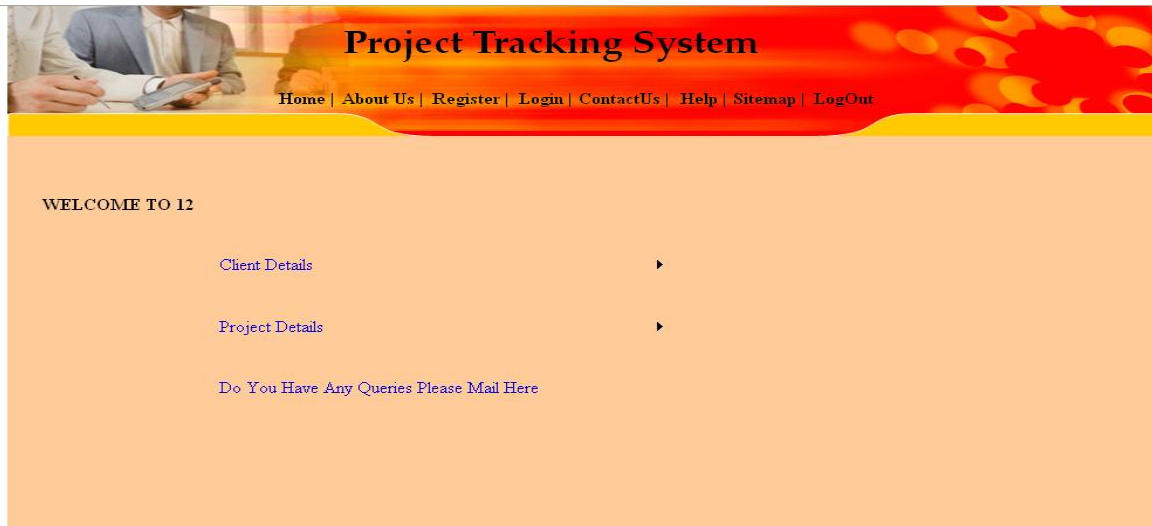


Figure3: A Developer's Home Page

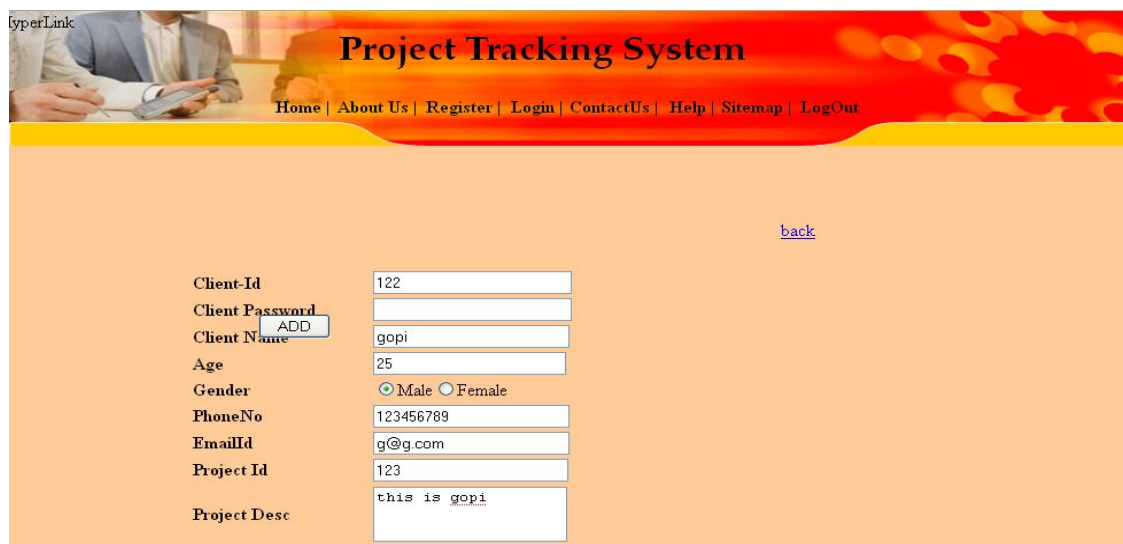


Figure4: A Developer's Page

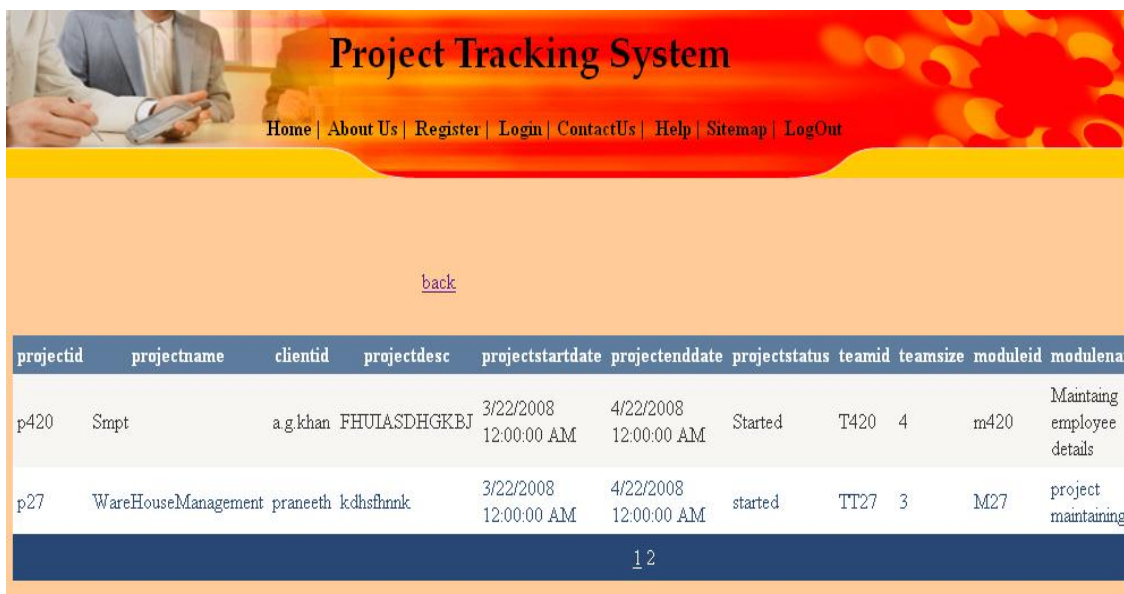


Figure5: Status of a Project

Date Time	DeveloperId	Developer Name	ProjId	ProjName	ModuleName	Start Date	End Date	Status
2/28/2008 12:00:00 AM	d001	ram	p001	spmt	reports module	2/12/2008 12:00:00 AM	4/10/2008 12:00:00 AM	Completed
2/28/2008 12:00:00 AM	d002	ram	p001	spmt	reports module	2/12/2008 12:00:00 AM	4/10/2008 12:00:00 AM	Inprogress

Figure6: Status of a Project

VI. CONCLUSION

The device was analyzed and tested. Based on the test results, the whole system performed according to the designed aim and objectives of the project. All the objectives that had been charted out in the initial phases were achieved successfully. System satisfies all the requirements for which the company developed the system. System has strong security. System is fully GUI based. It is easy to operate and user-friendly. Platform includes the in built back-up and recovery facility. Working on the project was a good experience. Working together in teams helped us to communicate better. We understand the importance of planning and designing as a part of software development. The concept of peer-reviews helped to rectify the problems as and when they occurred and also helped us to get some valuable suggestions that were incorporated by us. Developing the project has helped us to gain some experience on real time development procedures.

REFERENCES

- [1]. <https://www.w3schools.com/asp>
- [2]. <http://www.gotdotnet.net>
- [3]. <http://dotnet.oreilly.com>
- [4]. Crouch Matt J., "ASP.NET and VB.NET web Programming", Pearson Education, New Delhi.
- [5]. ASP.Net Black Book, Dream Tech Press Third Edition, 2009.

IOSR Journal of Engineering (IOSRJEN) is UGC approved Journal with Sl. No. 3240, Journal no. 48995.

Mrs.B.Sathyabama. " Project Tracking System." IOSR Journal of Engineering (IOSRJEN), vol. 09, no. 10, 2019, pp. 16-21.