Project Report

Team#02
(Jhama)

Date-March 9, 2016

(Version 1.0)

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1. Scope:

Scope of the project

product, keeping the cost within client's budget constrain and deliver the project as per schedule.

There are several factors, both internal and external, which may impact these triple constrain: Quality, Cost and Time.

For the new team within scope with reason-The tool we are going to build will be designed to manage the project that will be helpfull to quality control of projects and it will manage schedule of every task that is assigned to team members. This tool will help to manage a project because it consists some applications like scheduling, planning, maintaining and tracking etc by using internet.

Out of scope functionalities of the project

Requires a lot of research and development time so we will use readily available open source api. Scope is an essential part of a software organization to deliver quality Making our own version control api is difficult, since it requires a lot of research and development time so we will use readily available open source api.

2. Documentation:

(i) Documents that are adequate:

- Feasibility Report analyzes each and every possible factor associated with the project and determines the extent to which the project is feasible. The document generated by Team-1 was adequate as it has checked the feasibility of the project economically and technically.

- System Requirements Specification (SRS) document given provided detailed description about the project management tool to be developed. Requirements were clearly specified.

- Quality Assurance Plan gives a plan and list of systematic activities that are required to ensure high quality in the software developed. The document generated by Team-1 was adequate and provided standards and the ways in which those standards can maintained at different stages of development.

- Risk Monitoring and Management Plan generated by the Team-1 was adequate and sufficient for the purpose. Risks were specifically identified and corresponding factors and mitigation plans were stated.

(ii) Documents that were in-adequate:

- System Test Plan provides a strategy that will be used to verify and ensure that a system meets its requirements. But the document provided by Team-1 was not proper and adequate. Test plans were not stated in detail.

- MOMs (Minutes of Meeting) provided were not complete. MOM 5 contained the same contents of MOM 4.

(iii) Documents that were missing:

- MOM 5 is missing in the documents provided.

- Requirement Traceability Matrix is essential so as to ensure that all the requirements defined for a system are tested in the test protocol which was missing.

- User Manual is a technical communication document intended to give assistance to users to use a particular system. This document was not provided.

- Project Plan is also missing.

- Project Proposal helps to organize time and resources for achieving the objectives of the project which was missing.

3. Functionalities :

(a) *Functionalities gathered :*

1. User Class – Project Manager

(i) Sign up for our Software Project Management Web application.
-In order to use the services of our Software Project mangement Tool, the user has to signup to our Web application.

(ii)Login into the application
-The Project Manager can login into the system by providing its login id, password.

(iii)Change password
-Change the password after logging into the system.The user will be asked a security question if he/she forgets his/her password. In case, he/she is unable to do so, automatic mail containing the link to reset the password to registerd email addresss.

(iv)Create or Edit Profile
-The user will create or update his profile with attributes like Organization Name, Do- main, Works, Location etc.

(v)View profile details
-The user can view his/her personal details like working oezanization, email id, contact details and address details. The profile will also contain the history or projects worked on.

(vi)Add a New Project
-The user will add a new Project and the user who created the project will act as Project Manager.

(vii)Open an Existing Project or past project
-The System will maintain the repository of Active Projects and Past Projects. User can easily navigate through any of them

(viii)Adding the Team Members

-User will add different members to a Team. To add a member to a team User has to write his google emai-id into a input panel. The automatic mail will be sent to his email-id consisting a link for confirmation to the invitation to the Team. If the user clicks on the link and accepts it, He will be automatically added to the team.

(ix)Notification

-The user will get notification about various activities according to project schedules.

(x)Generate Feasibility Report

-The user will write the feasibilty report of the projects in format/space provided by the system.

(xi)Generate Project Proposal

-The user will write the Project proposal in the format/space provided by the system.

(xii)Conduct Team Meeting

-Conduct and store the record of Team Meatings of the project. Notication will be sent to all the team member or specified member of the team.

(xiii)Alert Generation for Emergency Team Meeting

-User can Generate generate Alert/Notification Emergency Team Meatings.

(xiv)Schedule the Project

-System will provide various tools to perform Activity Graphs, Work Break down Structure, Gantt chart .

(xv)Resource Loading

-User will assign the task to the Team member, Track the progress of the task.

(xvi)Risk Management Table

-User will enter all the risks in the Risk Management Table.

(xvii)Generating design documents of the projects

-System will incorporate various API's to develop design documents like ERD, UCD etc.

(xviii)Configuration Management Plan

-User can write or upload the Configuration manahement Plan into the System.

(xix)Quality Assurance Plan

-User can write or upload the Quality Assurance Plan into the System.

(xx)Maintainance Plan

-User can write or upload the Configuration management Plan into the System.

(xxi)Chat

-Project Manager can chat with the Project Team.

(xxii)Version Controlling

-System will provide Git api to perform Verson Controlling the Source code of the Project.

(xxiii)Approval for change in the software tool

-After receiving user's request form for change in the software tool the amanger checks the changes and the approves it and carry out the further processess.

2. User Class – Project Member

(i) Sign up for our Software Project Management Web application

-In order to use the services of our Software Project mangement Tool, the user has to signup to our Web application.

(ii)Login into the application

-The Project Manager can login into the system by providing its login id, password.

(iii)Change password

-Change the password after logging into the system.The user will be asked a security question if he/she forgets his/her password. In case, he/she is unable to do so, automatic mail containing the link to reset the password to registerd email addresss.

(iv)Create or Edit Profile

-The user will create or update his profile with attributes like Organization Name, Domain, Works, Location etc.

(v)View profile details

-The user can view his/her personal details like working oezanization, email id, contact details and address details. The profile will also contain the history or projects worked on.

(vi)Joining the Teams

-The user can join any team my by clicking confirmation sent to him in the google mail. By clicking it, User will be redirected to his profile and he will get added to the Team.

(vii)Open an Existing Project or past project

-The System will maintain the repository of Active Projects and Past Projects. User can easily navigate through any of them

(viii)Submits the task assigned to it

-The user can get the list of all the task assigned to it along with the deadline. User will submit the completed task using it.

(ix)Notification

-The user will get notification about various activities according to project schedules.

(x)Chat

-Project Manager can chat with the Project Team.

(xi)Version Controlling

-System will provide Git api to perform Verson Controlling the Source code of the Project.

(xii)Request for change in the software tool

-If user wants some changes in the software tool then he can submit a change request form.

(b) *Functionalities Added :*

1. COCOMO Estimation : Manager before starting to work on the project enters project type and estimated size in KLOC which will be a drop down menu depending upon the type of project selected and taking this as input, the tool will calculate the estimated PM and Development time of the project.

2. Activity Graph : As the functionalities of the project are difined and the manager knows the available staff and resources, knowing the order of tasks is easy to do. By using that info, software will generate the activity graph which will define the interdependency between all the tasks and the estimated time to complete each task defined in project plan.

3. Evaluation and Feedback : This functionality will enable rating/feedback to each member from the fellow members as well as the evaluation from project manager depending upon the performance in the project. This will help the team members to know which members are non conforming, which of them are good at specific things and which of them are quality performers.

4. Team Member Drop Out : If in any case a team member drops out of the project in between then this should be informed to the project manager and how much work he/she has done before leaving the project and work load he/she had should be informed to the project manager so that personnel selection again should not be too tough and project may not be delayed.

5. Document Mangement Centre : The tool will have the functionality to store all the document in a prespecified repository having a known space capacity so that each document can be submitted by the employee at the single place. Also each document submitted will have a person's name in front of it indicating the member who submitted it, date and time of submission and the version.

(c) *Functionalities Removed :*

1. Document Mangement Centre Storage location : Instead of storing the documents of the project at github, our tool will store the documents at cloud that will be specific to the team.

2. Creating a project : Team#1 has conveyed by their requirements that anyone can create a project but we changed the rights only to the manager.

3. Alert generation for emergency team meetings : The tool already has a functionality to give a notification of a new meeting decided/scheduled but the functionality of an emergency meeting is worthless as in this case also there will be a notification, nothing else. So instead of this, phone call is a better way out.

4. Scheduling:

Phase	Our Milestone	2nd Party Milestone	Delay(In Time)
Pre-Development	March 4, 2016	Not decided. After Pre-Development Phase they made Project Plan.	Not declared

Development			
Designing	March 13, 2016	March 5, 2016	8 days
Coding and unit testing	April 10, 2016	March 20, 2016	21 days
System Integration & Testing	April 16, 2016	April 4, 2016	12 days
Project Completion	April 20, 2016	April 6, 2016	14 days

*** As 2nd team is already behind 5 days as per their schedule.**

5. CONCERNS :

1. Reasonableness of delivery deadlines as the project has been swapped ?

2. Is the tool feasible to use for differernt kinds of software projects ?

3. Whether the requirements are understood correctly or not ?

4. Is the team vulnerable to adapt with the changes in the project ?

5. Is the team familiar with the technologies used throughout the project ?

6. Tools suggested by the other team are not that easy to use and perform ?

7. Improper documentation leading to wrong understandability of the project aspects ?

8. Whether adding of new requirements supports the existing project scenario or not ?

9. Whether the requirements/tasks put in by the other team takes the adequate amount of time and resources as being suggessted ?

10. Assuring the quality of the product being developed ?

11. Changes in the scope of the project ?

12. Whether risks identified on swapping of project are adequate or can be handled ?