Flaw Tracker System

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Abstract— Fundamentally this was developed for fixing the bugs and passed to the developer via module leader or team leader in the project. When bug is found after testing the project by tester if bug is found is to be passed to the team leader or project leader. Latter he will get clarification about it thoroughly it shall be passed on to the developer again finally it will be fixed here and rectified by this developer and then it will be sent to tester. Again tester tests it if then no problem project developing is happing successfully otherwise again he fixes the error found. As it previous, it happens in cyclic way so problems can be known easily in developing project and without facing any problem they move to next step. This project plays as heart of the s/w company without developing or having this type of Flaw Tracker no one software company. When they employee will be developing any project for their client they have to know on which day project was started implementing, how far it had come, how many are involving in doing that project, by what time they can guess it can be completed by viewing the details of progressed project.

Key words: Flaw Tracker

I. INTRODUCTION

Flaw Tracker System is a web application which will be utilized by developer group, testing group and project manager who are including in the undertaking advancement. When advancement of undertaking is finished it will be in testing. Test engineers tests the application and any Flaw comes, it will be accounted for to Defect Tracker. New arrived Flaw will be relegated to designers by group pioneer. Designer, in the wake of tackling the Flaw, changes the status to settle. Like every one of the individuals in the venture improvement utilizes the device to track the bug Engineer, subsequent to illuminating the bug, changes the status to settle. Like every one of the individuals in the undertaking advancement utilizes the apparatus to track the bug. This is online application is to be utilized to discover bugs any happened amid venture improvement required by chairman, testing architect and engineer and also module pioneer. The venture FTS implied for mechanized administration of the bug who are take a shot at various branches in the IT organization over the globe.

The FTS venture permits the executive for including a recently joined engineer, test pioneer, venture pioneer, module pioneer, customer, chief and executive unique. It cripples the chiefs and representatives who have been forgotten the organization. In this task administrator can likewise make, refresh and impair the login secret word and username of the directors and the workers. The FLT venture enables the analyzers to include and send the Flaw, see Flaw, sending the demand to refresh the individual Data and secret word (password).

The FTS venture enable to refresh Flaw, see Flaw, change secret word and errand task. Test team is permitted to send the demand to refresh the individual data and secret word (password).

The FTS venture enables the undertaking pioneer to include, see, to refresh the task and view every one of the bugs by status, by need and by date. Module pioneer is permitted to send the demand to refresh the individual data and secret key. The FTS venture enables the engineer to settle the bugs, send the bugs, see bug, sending the demand to refresh the individual data and watchword.

The FTS venture permits the Supervisor/Executive/Customer to see the bugs by status, by customer, by date and by need. Sending the demand to refresh the individual data and secret key(password).

II. LITERATURE SURVEY EXISTING SYSTEM & PROPOSED SYSTEM

A. *Existing System:*

Differed sort of practices can be found in bug taking care of. Diverse programming associations take after various techniques to determine bugs, Bug and other programming improvement issues. The techniques they pick relies on the nature and criticality of the undertaking they are taking care of. In any case, most normally, all the medium to substantial Programming advancement associations take after a comparative technique, which we depicted previously. In any case, the answers for dealing with the bugs and bugs will be unique.

Manual method for taking care of is by all accounts outlandish in these cutting edge days of fast. Bug or bug last, generator master is altogether situated in better places making the auspicious arrangements troublesome.

B. *Constraints of Existing*

1) Framework:

The current framework is confronting couple of constraints they are:

- The manual procedure of weightage computation utilizing the measurable technique is mistake inclined.
- Sets aside greater opportunity to send customers to the insurance agency in manual strategy.

C. *Proposed System:*

The FTS venture permits the head for including a recently joined designer, test pioneer, venture pioneer, module pioneer, customer, chief and executive unique. It debilitates the supervisors and representatives who have been forgotten the organization. In this task administrator can likewise make, refresh and incapacitate the login secret word and username of the chiefs and the workers. The FTS venture enables the analyzers to include and send the bugs, see bug, sending the demand to refresh the individual data and secret key.

D. Architecture:

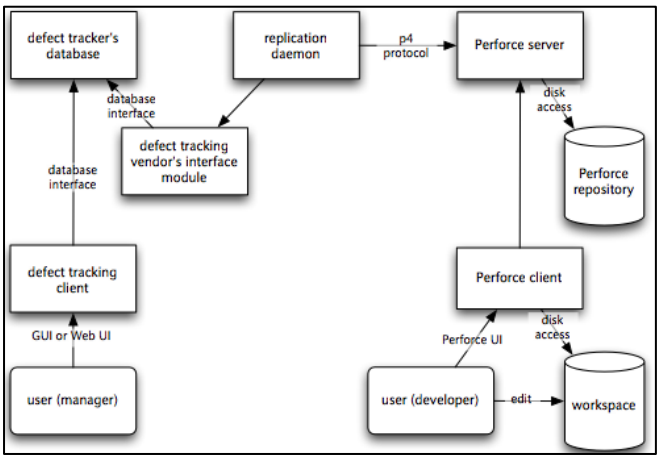

Fig. 1:

It helps for system developers to understand and interact ideas about the structure of the project and user requirements that must be supported by the system that we are going to deploy. It helps in system planning to understand architecture and changes to be done. It divides functions and explains the hierarchical relationships among the functions and sub-functions. It basically describes basic structure of the project by dividing functional areas into different layers. It shows how projects system interacts with different users, external devices and services.

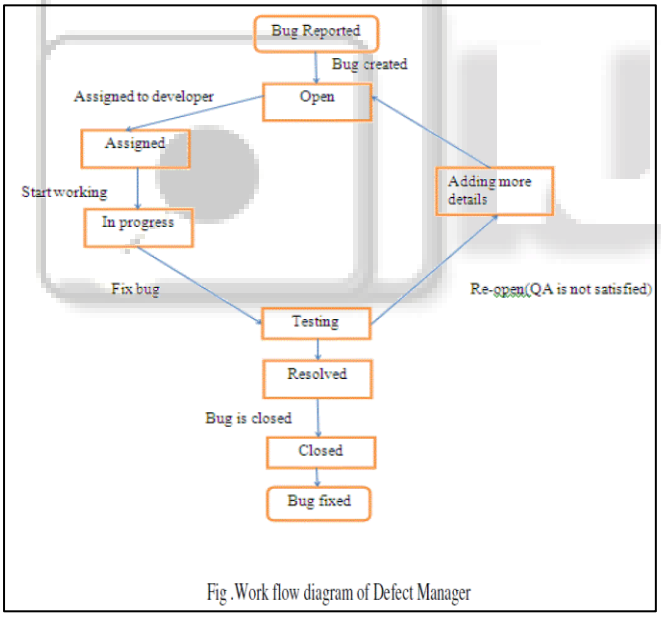

Fig. 2: SDLC Model

In this project it is suitable to use waterfall model so that the processing of the project is made easy and more effective for this kind of project. Initially all the related project information will be collected from different levels of users so that there will be different views of opinion from different users .These views will be grouped so that these can be implemented in the project. Then the information must be implemented based on the system and architecture design. Later verification must be done to make sure there is no conflict between requirements and all the requirements are completely met. Maintenance plays an important role so that if any updates to be done there must be pop message to indicate it and make sure that the system functionalities are up to date.

E. Tools & Technology used:

- Java Server Pages (JSP):
- JSP is introduce by the Sun Micro System.
- It is a type of controller and use to handle the request.
- JSP is able to process the request and provide the output as a views.

JSP have eight types of implicit object like following

1) Request
2) Response
3) OUT
4) Page
5) Page Context
6) Session
7) Exception
8) Config
9) Application

F. Hibernate:

- Hibernate is a framework.
- Hibernate is user to fill gap between java class and database object.
- Hibernate have very strong cache memory.
- Hibernate automatically transaction is false so it is essay to do transaction.
- We can use all the mapping tools to build.
- For any error there is clear categorization to avoid multiple exception.

1) DFD Diagram

Fig. 3: DFD

In that diagram, tester will be test that project if he will get any bugs then he/she will send again to the developer. Then developer checked that project not working and if he will get bugs then he will again modified and he will send to the tester then again the tester will test he he successfully working the he will comment its working proper otherwise he will test again to developer.

III. ADVANTAGES

1) Flow tracker system reduce the time of the any developer.
2) Flow tracker system is used to stop doing manual testing by the developer which takes lots of time for simple changes to go live in production deployment.
3) Application can be used to find out the bug and transfer from one peer to another peer.
4) In that Flaw Tracker System, both developer and tester can add bugs and view the bugs.
5) Flaw Tracker System is mainly used for tester to consume the time.

IV. CONCLUSION

In summary we can say this project paly vital role in any software company, information technology industries. Without flow tracker tools we will not be able to put any application in production environment.

Flow tracker system used to fix the but when unit acceptance test going on in pre-production or in production

environment if any errors occurred the testing team used to report this error into the application and by using application logs developer can do re deployment and proceed for further analysis.

The errors which found out by the tester can be reported to user in a chain like first this has to reported to team lead then has to be reported to technical analysis after then team lead can arrange a knowledge transfer for developer team the after the detail description given by team lead developer can go ahead and start analyzing the change request and start working on it.

REFERENCES

[1] PHL Second Edition. Page no.[35-47][123-143][190-210][235-265]
[2] Gray Cornett, Horstmann, Core Java, Sunsoft Press,1996 .Page no.[45-65][145-165][180-195]
[3] Patrick Naughton & Herbert Schildt , java :The Complete Referance, Tata McGraw-Hill, Macrch 1997.Page no.[125-143][167-189][235-263]
[4] Grady Booch , Object Oriented Analysis and Design with Application, the Benjimin/Cummings,1994.Page no.[134- 165][234-256][324-345]

Web Sites:

[1] http://www.java.sun.com
[2] http://wwww3cschool.com
[3] http:// www.google.com

