

Bug Tracking System Java Project

Bug Tracking System is a web application developed in JAVA programming language for software companies. The main aim of the project is to manage the errors or bugs occur during software development phase and cycle. After the implementation of this project, the employees can update the issue details, solve issues and update the system from any location with internet access.

Below I have briefly introduced the features, abstract and modules of this Java project on Bug Tracking System. You can download the full source code, project report, documentation and paper presentation along with other necessary files from the links given in the post. The source code of the project can be used as an academic project or as a reference to develop tracking software in Java.

Bug Tracking System Project Abstract:

During the course of development of a software, there occurs a large number of bugs. A single programmer or sometimes a group of programmers may not be able to debug the system. In such cases, the issue needs to be shared among certain companies so that the problem can find an appropriate solution. And, a web-based tracking system is the best option to forecast the bugs and its proper debugging process.

The proposed project on Bug Tracking System is capable of storing old bug details and providing record search facility. If a bug which has already occurred in any pre-developed software takes place in new system, it can be easily detected using the bug tracking system application. It serves as an assistant for a software engineer during debugging process.

Features:

- The software is applicable in managing the bugs that occur during development of software and to track the older issues.
- It facilitates searching facility to bug history and solution.
- The system is fully secured; authentication method is adopted to manage security.
- It stores the older bug reports so that they can be easily solved when they reappear.
- The application helps the project manager in evaluating the works of employees.
- The proposed software is capable of auto update when latest version is available.

Modules Overview:

The proposed project has three major modules: employee, manager and administrator. Each module is designed to perform some specific task in bug tracking process. The modules are briefly introduced below:

Employee Module is designed for programmers of the software or employees, specially the coding team and testing team. The coding team is supposed to update details of bugs to the software, and the testing team checks and updates the status.

Manager Module is handled by [project manager](#) to look after employees. It is useful in analyzing the number of employee necessary to accomplish the project.

Administrator module is superior to the above two modules and it can control their activities. The main function of this module is to manage coders and testing team, and to update the details.

Screenshots:

Login.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://localhost:8081/DTS/AssignBug.jsp?cat=Tester> Go Links >>

Defect Tracking System

Welcome, ramana1 [[home](#)] [[logout](#)]

Assign Bug

Bug_Name

Bug_type

Bug_level

Priority

Project Name

Tester Code

Bug Date date

Employee code

Status

- Open
- Bug Report
- View Bugs
- Edit Profile
- Change Password

All Rights Reserved ©:
Viswanath and Dilip
Developed Under guidance
Shirin Bhanu

<http://localhost:8081/DTS/AssignBug.jsp?cat=Tester> Local intranet

Bug Report

http://localhost:8081/DTS/AddProject.jsp - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://localhost:8081/DTS/AddProject.jsp Go Links



Defect Tracking System

Welcome, Admin [[home](#)] [[logout](#)]

Department	Employee	Project	Permission
		Add Project	
		View Project	
		Update Project	

Add Project

Project Name:

Project Description:

Submission Date: date

Duration:

Client Name:

Client Address:

Phone No:

EmailId:

Department Name:

Project Lead:

All Rights Reserved © iGen Tech SoftSol

http://localhost:8081/DTS/AddProject.jsp Local Intranet

Add Project

Adminresponse - Microsoft Internet Explorer

Address: http://localhost:8081/DTS/ViewEmployee.jsp

Defect Tracking System

Welcome, Admin [home] [logout]

Employee Details	Department	Employee	Project	Permission
		View Employee		
		Update Employee		

EmployeeName	Gender	Date Of Birth	Qualification	Address	PhoneNo	MobileNo	EmailId	Date Of Joining	Role	Delete
mariswathi	FeMale	16-01-1985	mca	Suraram Colony	65196257	9985959223	swathi@yahoo.com	16-02-2009	Developer	Delete
marIRam	Male	14-07-1982	misca	jeedimetla	65196257	93901235219	reddiram14@gmail.com	16-02-2009	Developer	Delete
vankaviswanath	Male	19-04-1981	mca	jeedimetla	65196257	9247365652	haskj	17-02-2009	Developer	Delete
marivenu	Male	12-06-1986	bca	jeedimetla	65196257	9985959223	venu@yahoo.com	23-02-2009	Developer	Delete
venkataramana	Male	12-02-1985	mca	shdgkj	65196257	9985959223	sdhngaj	787897	Tester	Delete
venkataramana	Male	12-02-1985	mca	shdgkj	65196257	9985959223	sdhngaj	2009-04-04	Developer	Delete
jyothireddy	FeMale	12-03-2009	mca	sdfs	3242	dsfaf	dsfa	dsaf	Manager	Delete
hsdghhjsdg	FeMale	29-5-2009	adfgdg	fdg	1234	1234	gjsjg	30-5-2009	Manager	Delete
phaniphani	Male	19-5-2009	sdfs	sdf	787263487	718972319	kjhdkh	2-5-2009	Developer	Delete
harithaharitha	Male	28-5-2009	sgdhjg	grhgr	654646	4535465	sfgsf	14-5-2009	Developer	Delete
sahasraReddy	FeMale	19-4-1984	mca	Secunderabad	65196257	9985959223	sahasra@gmail.com	1-6-2009	Developer	Delete
KrishnaA	Male	18-5-1989	B.Tech	Tadepalligudem	9876543210	9876543210	viswanath.be@gmail.com	1-5-2010	Developer	Delete
NagaV	Male	12-8-2010	B.Tech	Tadepalligudem	08818222332	9291567353	dilipvanapalli@gmail.com	1-5-2010	Manager	Delete
krishnaBhanau	FeMale	23-1-1980	B.Tech	Tpg	221586	9876543210	shirin.bhanu@ymail.com	17-2-2010	Developer	Delete

All Rights Reserved ©: iGen Tech SoftSol

Address: http://localhost:8081/DTS/ViewEmployee.jsp

Conclusion:

Bug Tracking System Project in Java facilitates the tracking service in software development. The project can be implemented in any software development company or a group of companies under the same management system. This being an online software and the growing use of internet confirm the bright future and scope of this project.