BUG TRACKING SYSTEM

Problem Statement :

i) The purpose of this system is a web application developed in JAVA programming language.

ii) The 'Bug Tracking System' is also called as "Defect Tracking System".

iii) The main aim of the project is to manage the errors or bugs occur during software development phase and cycle.

iv) 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.

v) 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.

vi) The conclusion of this system is i.e. " Bug Tracking System " in Java facilitates the tracking service in software development. The project can be implemented in any software development company 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.

Technology :

JSP ,Servlets ,MySQL ,Java Script ,HTML ,Tomcat.

Explanation :

- Bug Tracking System is an ideal solution to track the bugs of a product, solution or an application.
- Bug Tracking System allows individual or groups of developers to keep track of outstanding bugs in their product effectively.
- The Bug Tracking System can dramatically increase the productivity and accountability of individual employees by providing a documented work flow and positive feedback for good performance.
- In any software development bugs are inevitable.
- The order to have an efficient product bugs must be maintained properly and should be resolved in time both to reduce time and money spent on the development.

## Explanation of code and it's pages:

A programming tool or software tool is a program or application that software developers use to create, debug, maintain, or otherwise support other programs and applications. The term usually refers to relatively simple programs that can be combined together to accomplish a task.

- **Java Server Pages (jsp) :**

JSP pages typically comprise of Static HTML / XML components. JSP pages typically comprise of Static HTML / XML components.JSP not only enjoys cross-platform and cross-Web-server support, but effectively melds the power of server-side Java technology with features of static HTML pages.

1) Home Page :

In this page, we have given the basic information of the project and login to the given user id and password.
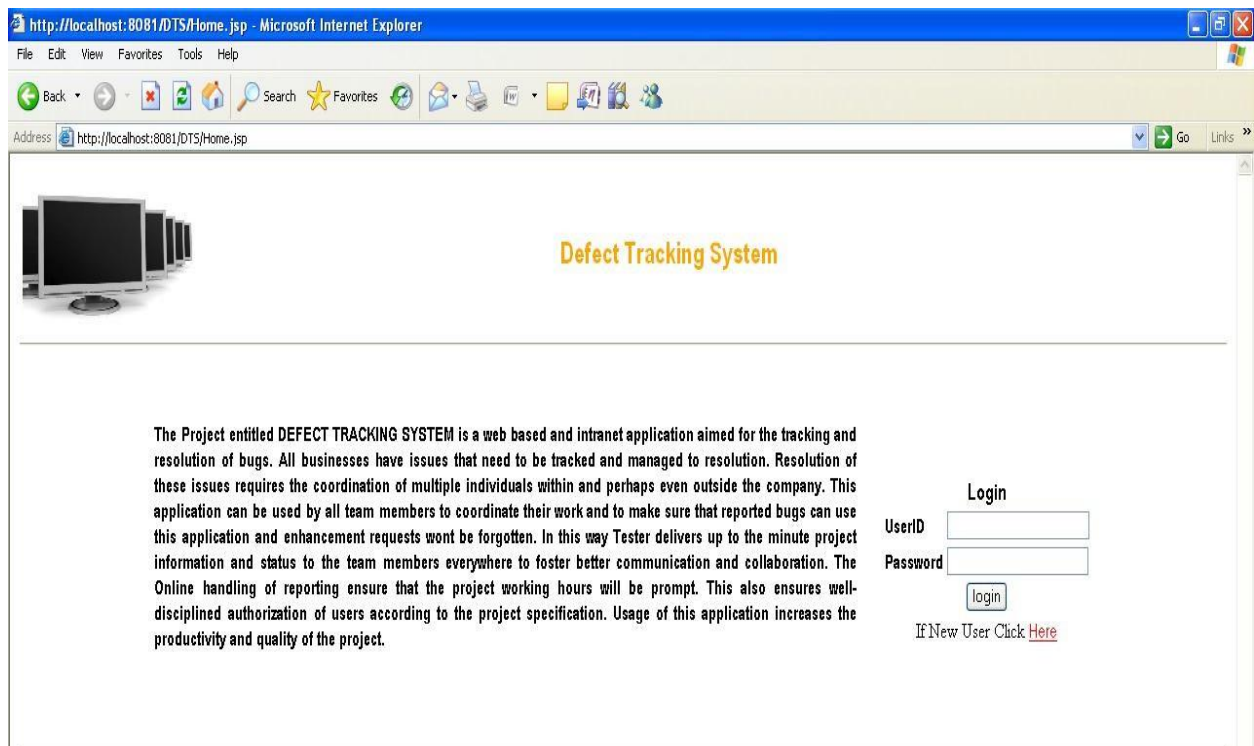
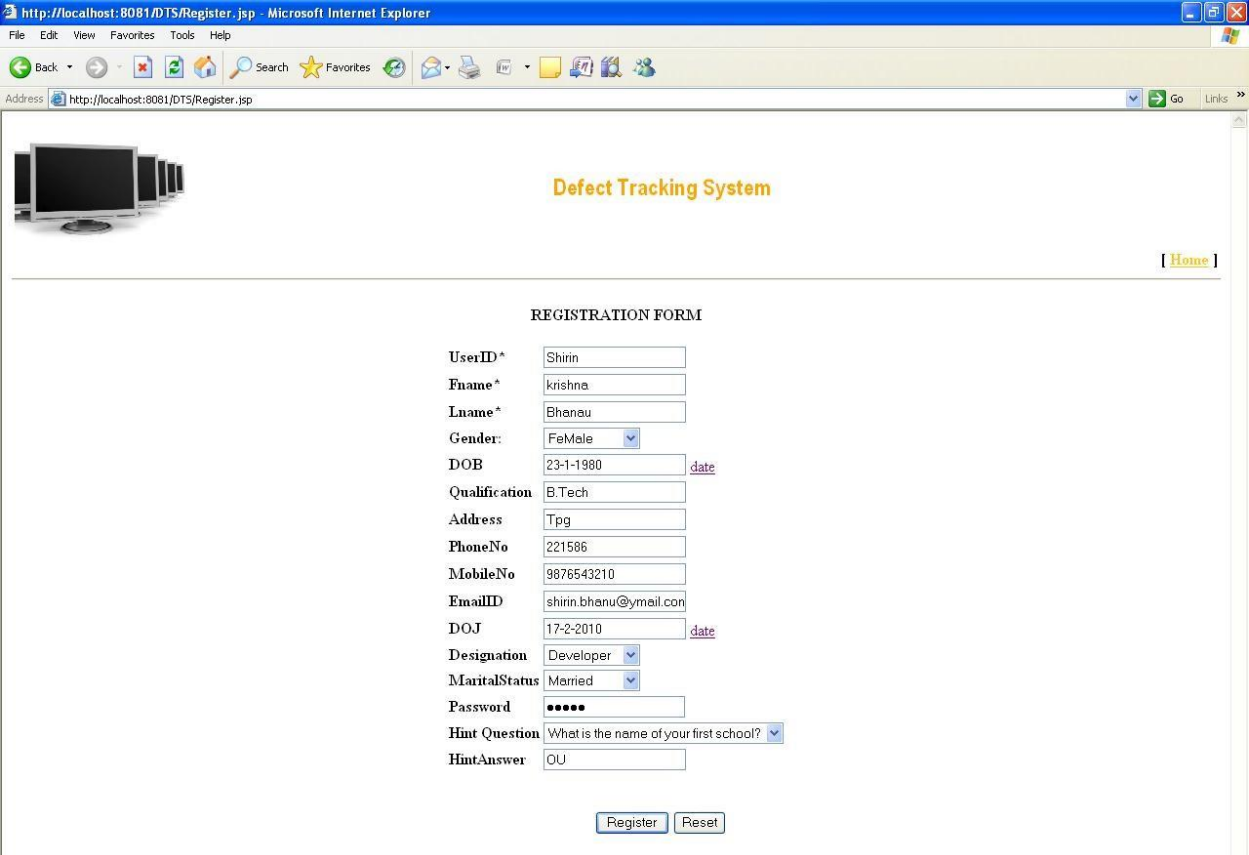The new user can create a there a new user id and password.

1. Home.jsp :

In this jsp file is using html file to display the information of the 'Bug Tracking System' and display the msg of valid or invalid user id or password.

2. Home_jsp.java
3. Login.jsp
4. Login_jsp.java

2) Registration Form :

In this page, create the registration form that is include the information of the employee.

1. Register.jsp

2. Register_jsp.java

3) Admin home :

In this page, we given the information of the admin and admin's handle the system.

Defect Tracking System

Welcome, Admin   [home] [logout]

Department	Employee	Project	Permission

This is Admin Page

Defect Tracking System

Welcome, ram   [home] [logout]

Open

change password

Old Password :	•••••
New Password :	•••••
Confirm Password :	•••••

Submit
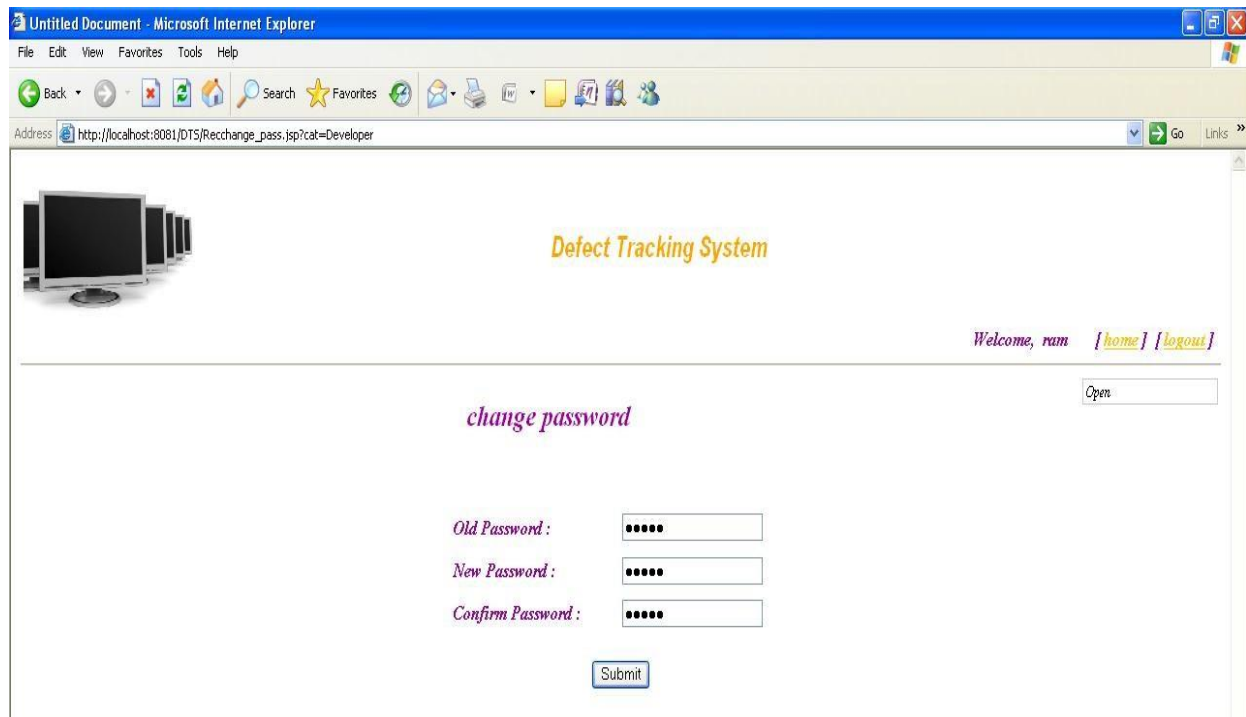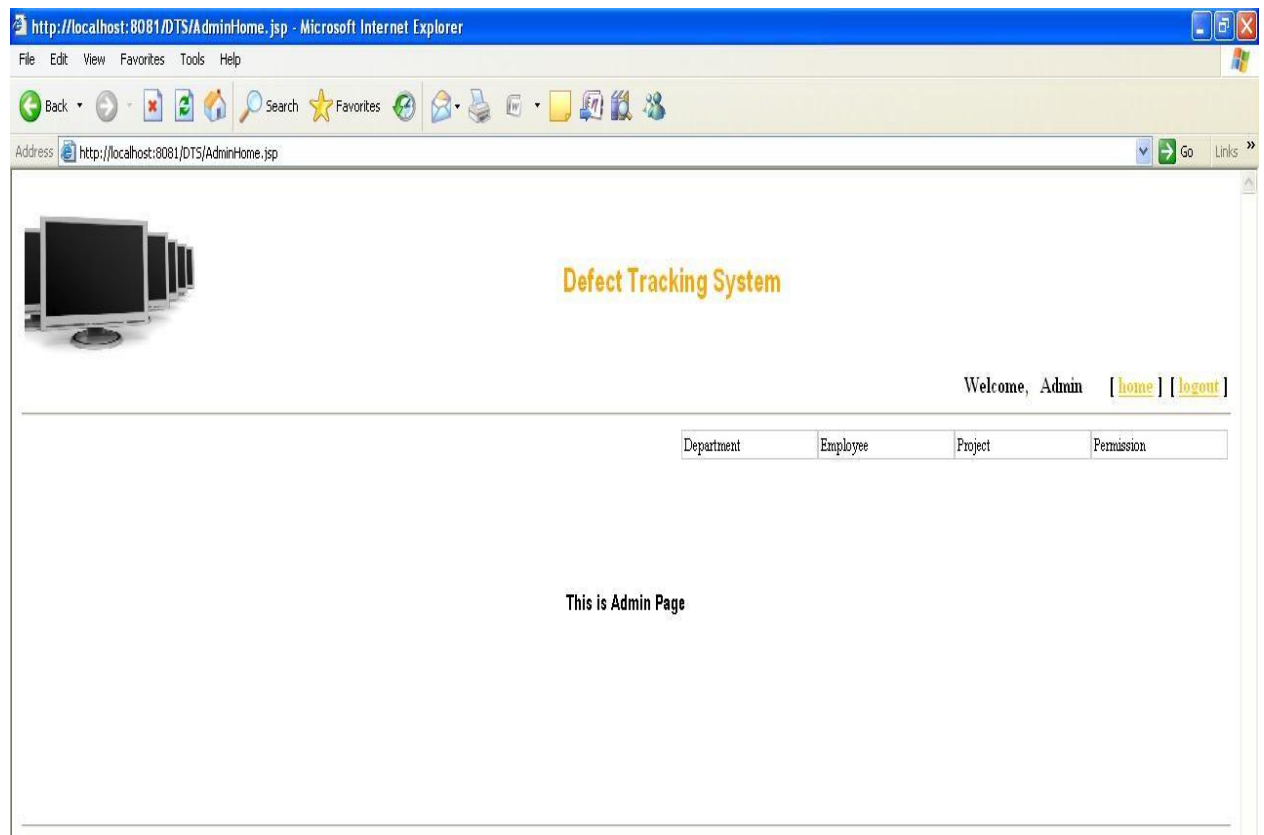
The admin can store the data of department wise employees information.
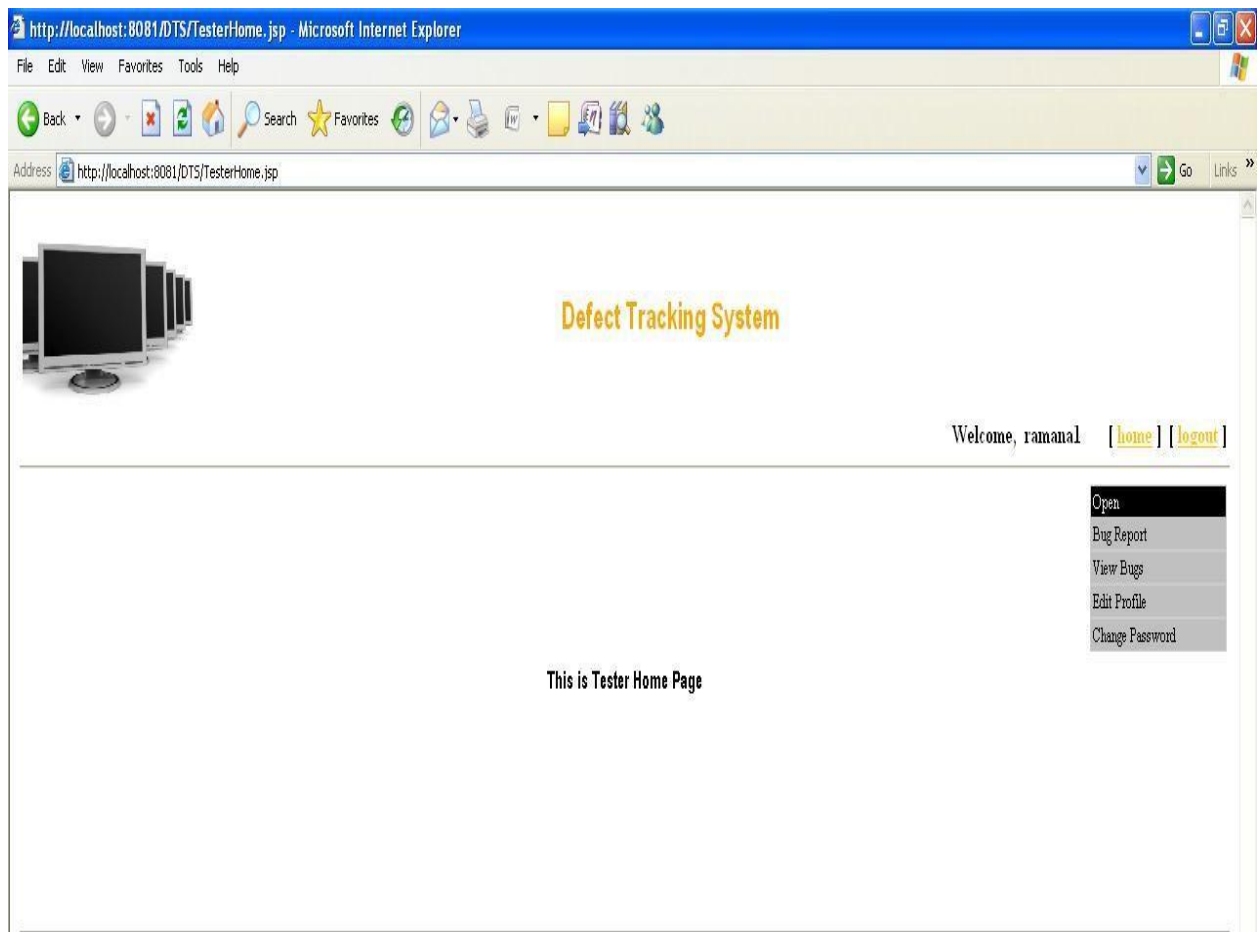
1. AdminHome.jsp

2. AdminHome_jsp.java

3. Admin.jsp

4. Admin_jsp.java

4) Tester Home :

In this page, we have given the information to the test for the code to bug or without bug the code.

This page report the bug, view the bug, edit the profile and change the password.

1. TesterHome.jsp
2. TesterHome_jsp.java
3. TesterHeader.jsp
4. TesterHeader_jsp.java

Defect Tracking System

Welcome, ram   [home] [logout]

Open
View Bugs
Other Bugs
Edit Profile
Change Password

View All Bugs

Bug Name	Bug Type	Bug Level	Priority	Project Name	Tester Code	Bug Date	Employee Code	Status	Post Solu
email validation not working properly	severe	3	highest	india	swathi1	17-02-2009	viswanath1	NotCompleted	Post Solution
Accepting nos in the place of characters	sad	severe	low	india	swathi1	17-02-2009	viswanath1	NotCompleted	Post Solution
safsd	dsf	severe	1	gis	swathi1	12-01-2009	jyothi1	NotCompleted	Post Solution
	dsf	fdsf	1	fsdf	dfdf	sdsd	swathi1	open	Post Solution
	dsf	fdsf	1	webgrabber	dfdf	sdsd	swathi1	open	Post Solution
	df	dfg	1	gis	wrer	12-02-2009	swathi1	open	Post Solution
	dsa	sdf	5	gis	sad	dA	swathi1	open	Post Solution
dfasd	dsfas	sdf	5	gis	tester	12-09-2009	swathi1	open	Post Solution
jsdfjka	sjhfj	jhdsj	3	webgrabber	ramana1	12-02-2009	swathi1	open	Post Solution
ew	wer	ewr	4	gis	ramana2	2009-04-04	swathi1	open	Post Solution
number validation	ds	dsf	6	Resume maker	ramana2	2009-04-04	swathi1	open	Post Solution
EMAIL validation	dfs	dsafa	5	webgrabber	ramana1	2009-04-04	venu1	open	Post Solution
email validation	severe	high	3	webgrabber	sahasra1	1-6-2009	swathi1	open	Post Solution
email validation	severe	high	5	gis	sahasra1	1-6-2009	swathi1	open	Post Solution
number validation	severe	high	4	defect	ramana1	1-6-2009	swathi1	open	Post Solution
number validation	severe	high	3	defect	ramana1	1-6-2009	swathi1	open	Post Solution

5) Admin add department :

In this page, admin is add to the information of department details.
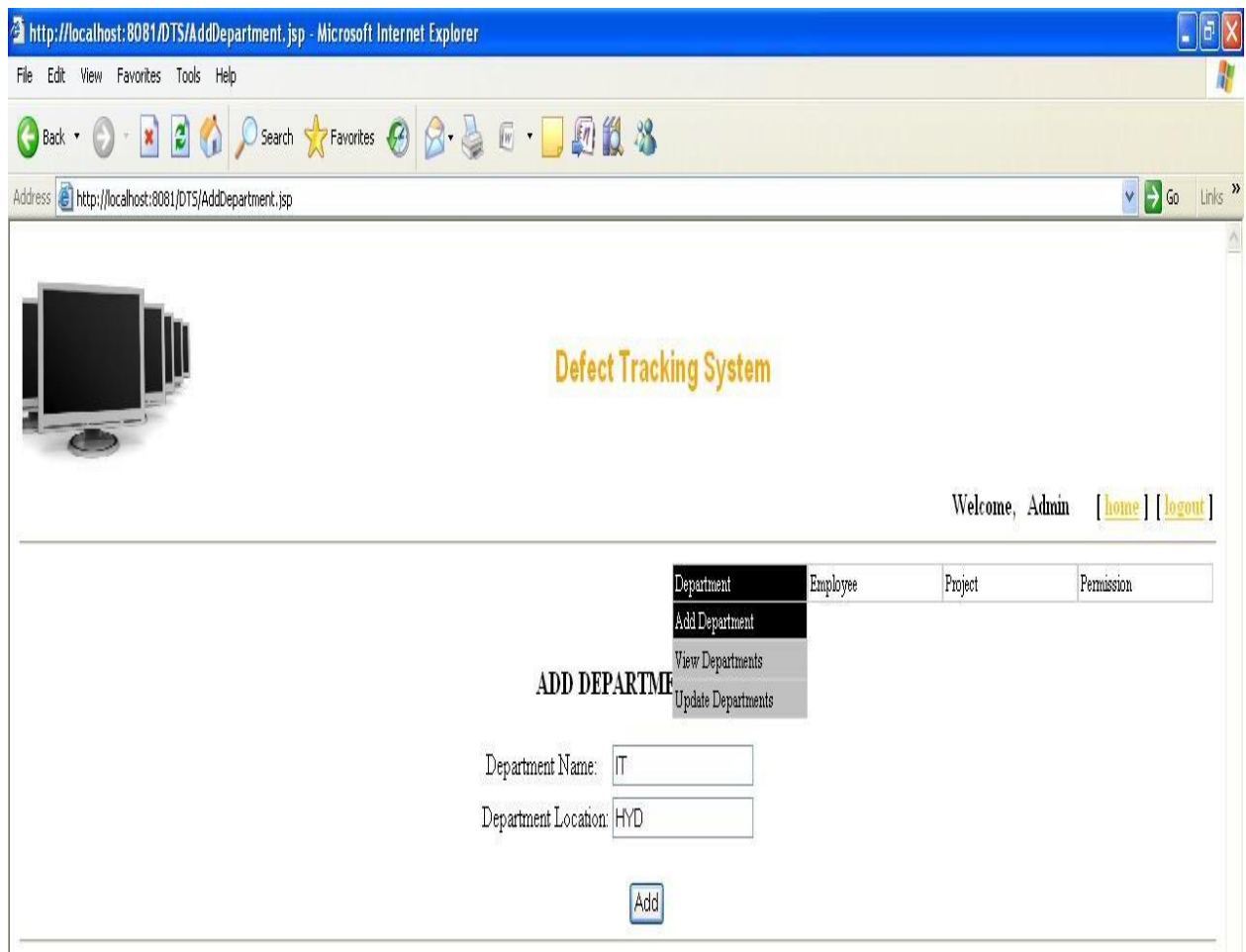
Update the department information and view the department information.

1. AddDepartment.jsp

2. AddDepartment_jsp.java

3. ViewDeparrtment.jsp

4. ViewDepartment_jsp.java

5. UpdateDepartment.jsp

6. UpdateDepartment_jsp.java

7. UpdateDepartment1.jsp

8. UpdateDepartment1_jsp.java

Defect Tracking System
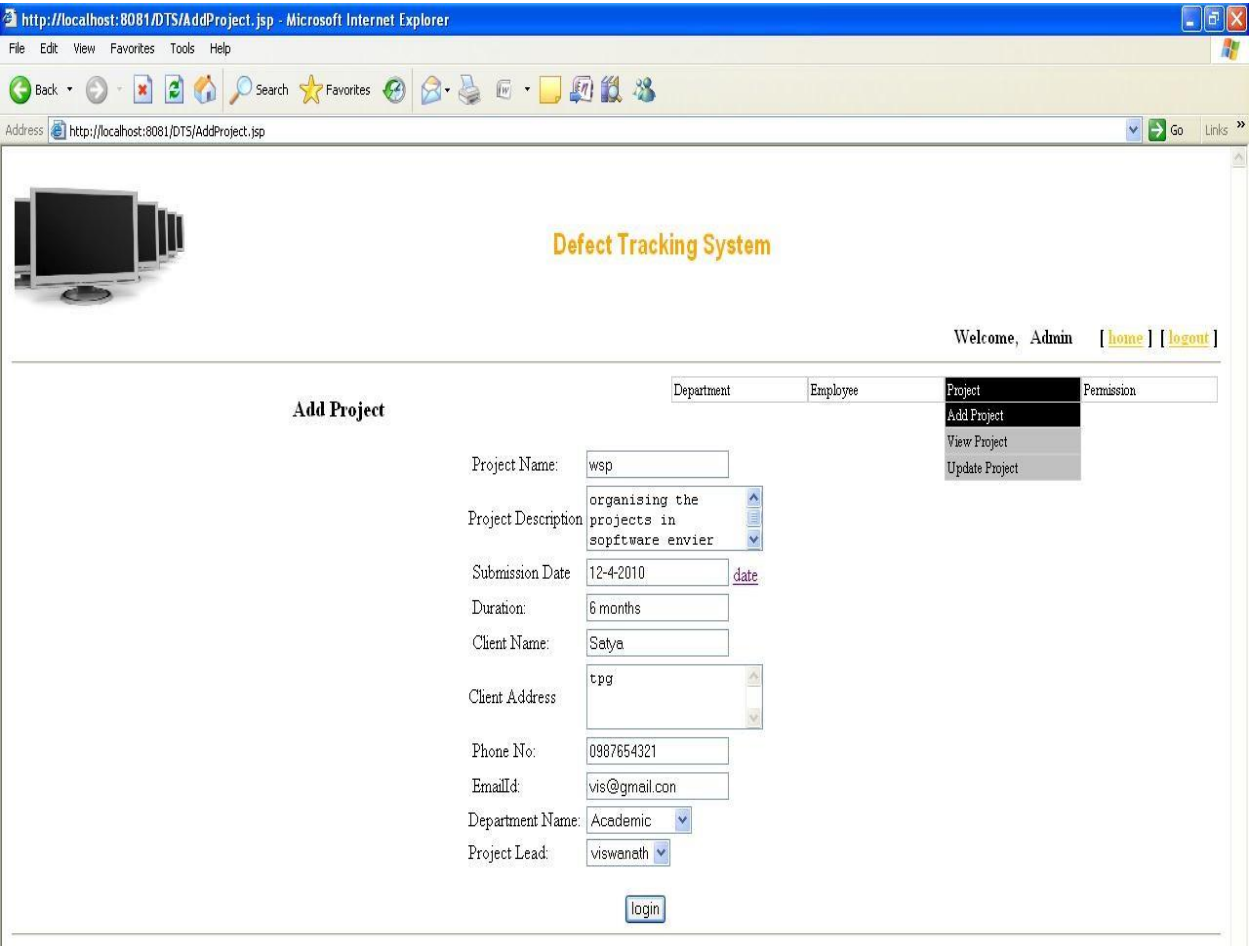
Welcome, Admin   [home] [logout]

| Department | Employee | Project | Permission |

View Employee

Update Employee

Employee Details

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	sdhjgaj	787897	Tester	Delete
venkataramana	Male	12-02-1985	mca	shdgkj	65196257	9985959223	sdhjgaj	2009-04-04	Developer	Delete
jyothireddy	FeMale	12-03-2009	mca	sdfsa	3242	dsfaf	dsfa	dsaf	Manager	Delete
hsdghhjsdg	FeMale	29-5-2009	adfgdg	fdg	1234	1234	gjsg	30-5-2009	Manager	Delete
phaniphani	Male	19-5-2009	sdfs	sdf	787263487	718972319	kjhdakh	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

6) **Admin add project :**

In this page, project name, details of the project, name of the project head.

1. AddProject.jsp
2. AddProject_jsp.java
3. AssignProject.jsp

4. AssignProject_jsp.java

5. ViewProject.jsp

6. ViewProject_jsp.java