

# Bug Tracking System

## DataBase

### 1. User

- Project Manager
- Developer
- Tester

User Id	Name	Email Id	Type Of User
int	varchar(20)	varchar(64)	varchar(20)

### 2. Project

Project Id	Project Name	Description	Start Date	Status	Team Members/(Team Id)
int	varchar(20)	varchar(150)	Date	varchar(20)	varchar(20)/(int)

### 3. Teams

Team Id(extra)	Project Manager	Developers	Tester	Project Id
int	varchar(20)	varchar(20)	Varchar(20)	int

### 4. Bugs

Bug Id	Title	Description	Project Name(Id)	CreatedBy(tester)	Open Date	Assigned By(PM)	Marked for Closing(Dev)	Closed By(PM)	Closed On	Status	Severity
int	varchar(20)	varchar(150)	varchar(20)/int	varchar(20)	Date	varchar(20)	varchar(20)	varchar(20)	Date	varchar(20)	varchar(20)

## Home Page

1. [Import User](#)
2. [Register](#)
3. [Login](#)

## Import User

Import

- Import allows json and XML files to be imported and saved in database.
- Same Email id is not permitted.
- Email format should be proper.
- All fields are mandtory.
- On successful import, each user has to be provided with a unique id.

## Register

Email id

Role

Password

Confirm

Password

- Register allows imported user to register and generate a password.
- User should not be already registered.
- Password should be strongly typed.
- All fields are mandtory.
- Email id should match Role.
- After registering goto login page.

Login

Email id

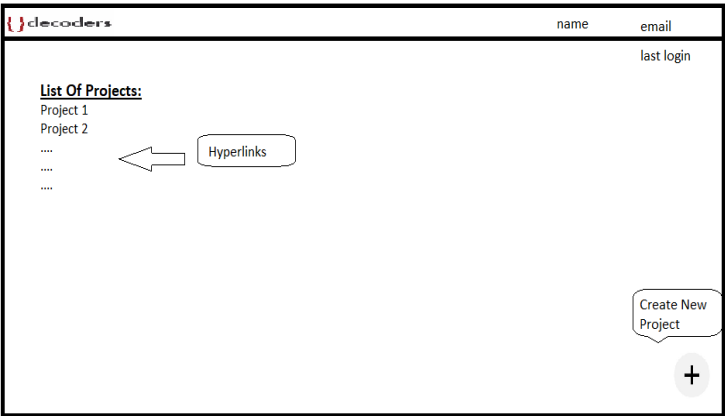
Password

- User should not be already logged in.
- Email id and password should match.
- After successful login goto Bugs Tracking Page.

Bug Tracking Page

1. [Project Manager](#)
2. [Developers](#)
3. [Testers](#)

Project Manager



After clicking on Project

Project Name

Start Date :

Bugs:

bug 1

bug 2

.....

.....

.....

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Bugs to be closed or to be assigned

Project Manager

...

Team & Role

...

...

...

- Bugs can only be assigned to Developers.
- Bugs can only be closed if they are marked for closing.

After clicking on Create New Project

Project Name

Start Date

Description

UI

- Start date should be set 2 days later than current date.
- Project Status to be "In Progress".
- Developers can only be assigned 1 project
- Testers can only be assigned max of 2 projects.
- Testers can be assigned under the same manager.
- PM can manage max 4 projects.
- Unique Project id to be generated.

Developers

logo	name	email
<div><div><div>Project Details:</div><div>.....</div><div>.....</div><div>.....</div></div><div>Mark for Closing</div></div>		
<div>UI Validation</div>		

- Developers can only view Bugs assigned to them.
- He/She can mark a bug for closing.

Testers

logo	name	email
<div><div><div>List of Bugs:</div><div>Project 1</div><div>List of bugs</div><div>.....</div><div>.....</div><div>Project 2</div><div>list of bugs</div><div>.....</div><div>.....</div></div><div><div>Report a new Bug</div><div>!</div></div></div>		

- Only Bugs reported by Tester can be viewed by him.

After clicking on Report New Bug

logo	
Project Name	<input type="text"/>
Title	<input type="text"/>
Description	<input type="text"/>
Severity	<input type="text"/>

- Bugs can be reported on,y by Testers.

- Report can be made only for Projects assigned and for projects with status "in Progress".
  - Unique bug id to be generated.
  - Created by should be Tester.
  - Created on should be current date and time.
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