

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

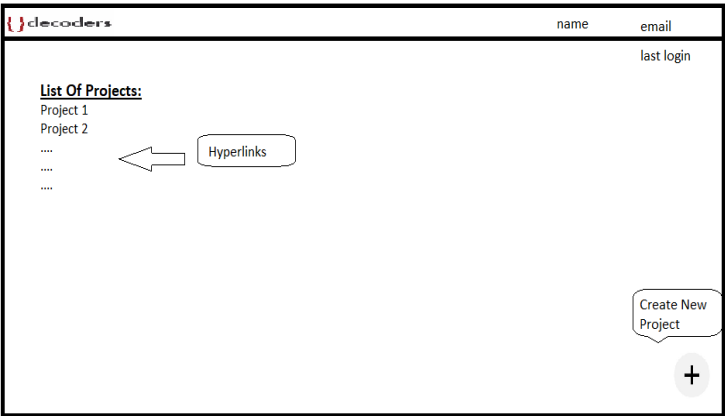
Password

- 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

.....

.....

.....

←

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
<u>Project Details:</u>		
.....		Mark for Closing
.....		
.....		
		UI Validation

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

Testers

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