

# Defect Tracker System requirements documentation – Team B

## 1. Use cases and User scenarios

### 1. Employee registration

- Actor – Admin
- Admin can register a new employee in the system.
- Fields:

<b><u>Employee id String</u></b> First name - String Last name - String Password - String Email - String Phone number - String Address - String Designation - String Gender - String NIC - String Join Date - Date DOB – Date
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### 2. Login

- Actors:
  - Admin
  - QA
  - Developer
- User can login only using valid employee id and password
- User can't login using invalid employee id or password
- Fields:

<b><u>Employee id - String</u></b> Password - String
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### 3. Create Project

- Actor – Admin
- Admin can create new project.
  - Admin can assign members to the project
- Fields:

**Project ID - String**

Name - String  
Start date - Date  
End Date - Date  
Description – String  
Team members – String

**4. Manage Project**

- Admin can view, edit, and delete projects.
  - Admin can add and remove members of a project.
- QA, Developer cannot edit and delete projects
  - Since the QA/ developer cannot edit the project, they cannot add and remove members to the project

**5. Submit Defect**

- Actor – QA
  - QA can track defect
- Fields:

**Defect ID - String**

Name - String  
Description - String  
Recreate id - String  
Expected output - File  
Priority - String  
Severity - String  
Status - String  
Reporter - String  
Created on – Date  
Module id - String

**Recreate id - String**

Steps – String  
Add Screenshot - File

- QA can review, edit & delete the defect
- QA can assign a defect to a developer
- After a defect being assigned to a developer QA can't edit or delete the defect
- Only QA can reopen & close the defect
- QA can view release notes.

**6. Receive notification**

- Developer will receive a notification after being assigned to a defect
- QA will receive a notification after the status of the defect being changed to fixed

**7. Change status**

- Developer can view defects
- Developer can change the status of a defect

8. Upload release note

- Actor – Developer
- Developer can upload release notes
- Fields:

Release Id - String Release version – String Upload file – File
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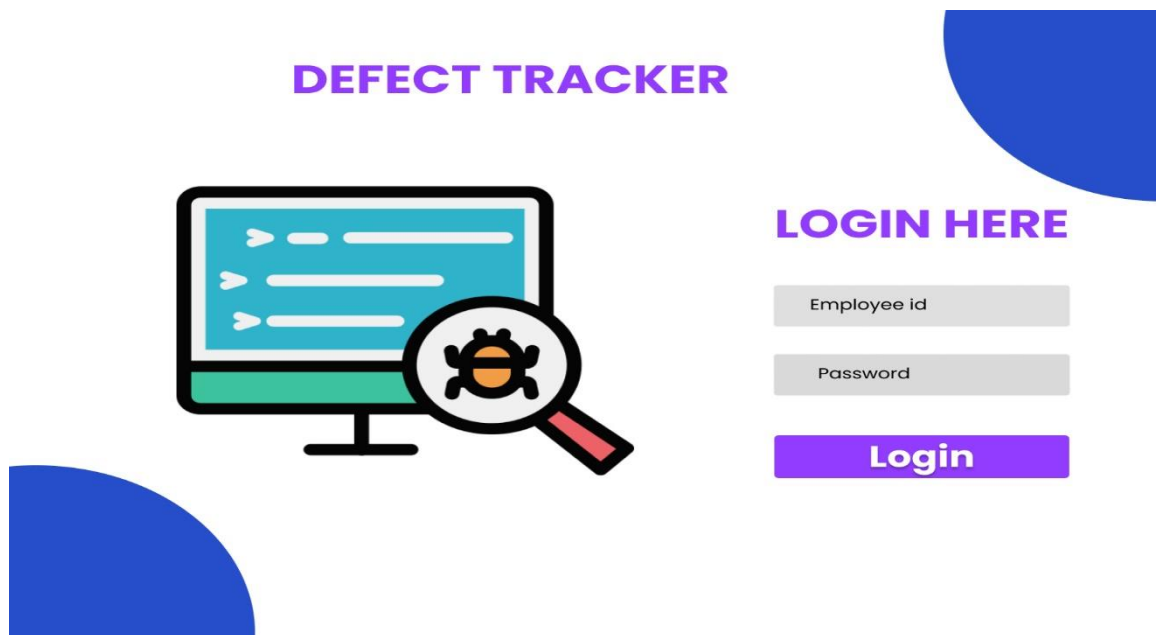
9. Add modules

- Developer can add modules
- Fields:

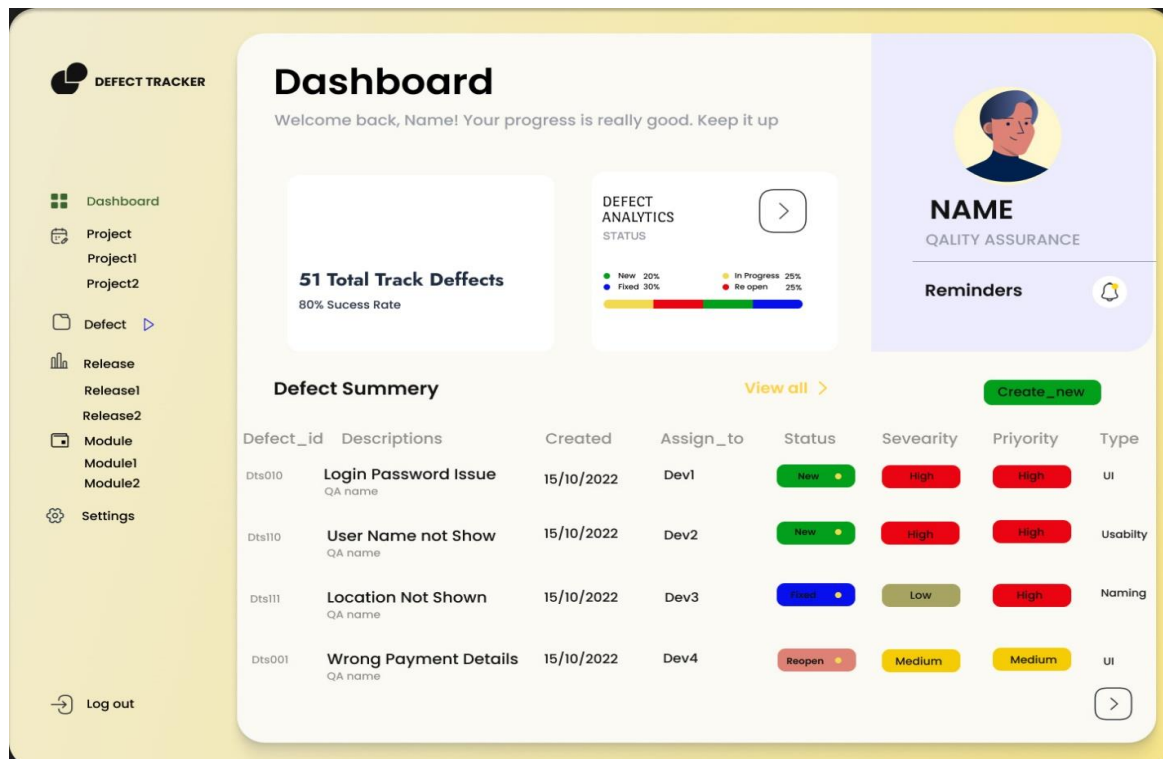
Module Id – String Name – String Assigned to – String
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## 2. User Interfaces


### 1. User log in page



### 2. Dash board



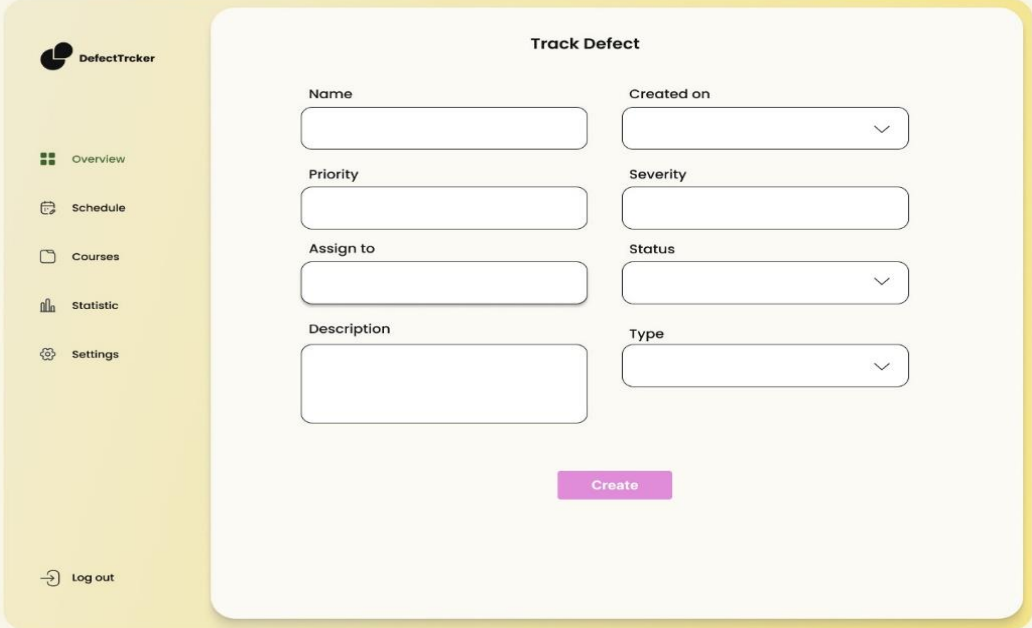
### 3. Registration page



The registration page features a sidebar on the left with the 'DefectTracker' logo and navigation links: Overview, Schedule, Courses, Statistic, Settings, and Log out. The main content area is titled 'Employee Registration' and contains a form with the following fields:

Employee Registration	
Full name	
<small>first name</small>	<small>last name</small>
Password	Confirm password
Email	Designation
Phone number	Gender
Registration date	Nic
Address	Date of birth
<input type="submit" value="Submit"/>	


### 4. Track Defect





The 'Track Defect' page features a sidebar on the left with the 'DefectTracker' logo and navigation links: Overview, Schedule, Courses, Statistic, Settings, and Log out. The main content area is titled 'Track Defect' and contains a form with the following fields:


Track Defect	
Name	Created on
Priority	Severity
Assign to	Status
Description	Type
<input type="button" value="Create"/>	


## 5. Create Project


 DefectTracker


 Overview

 Schedule

 Courses

 Statistic

 Settings

 Log out

Project

Name

Start date

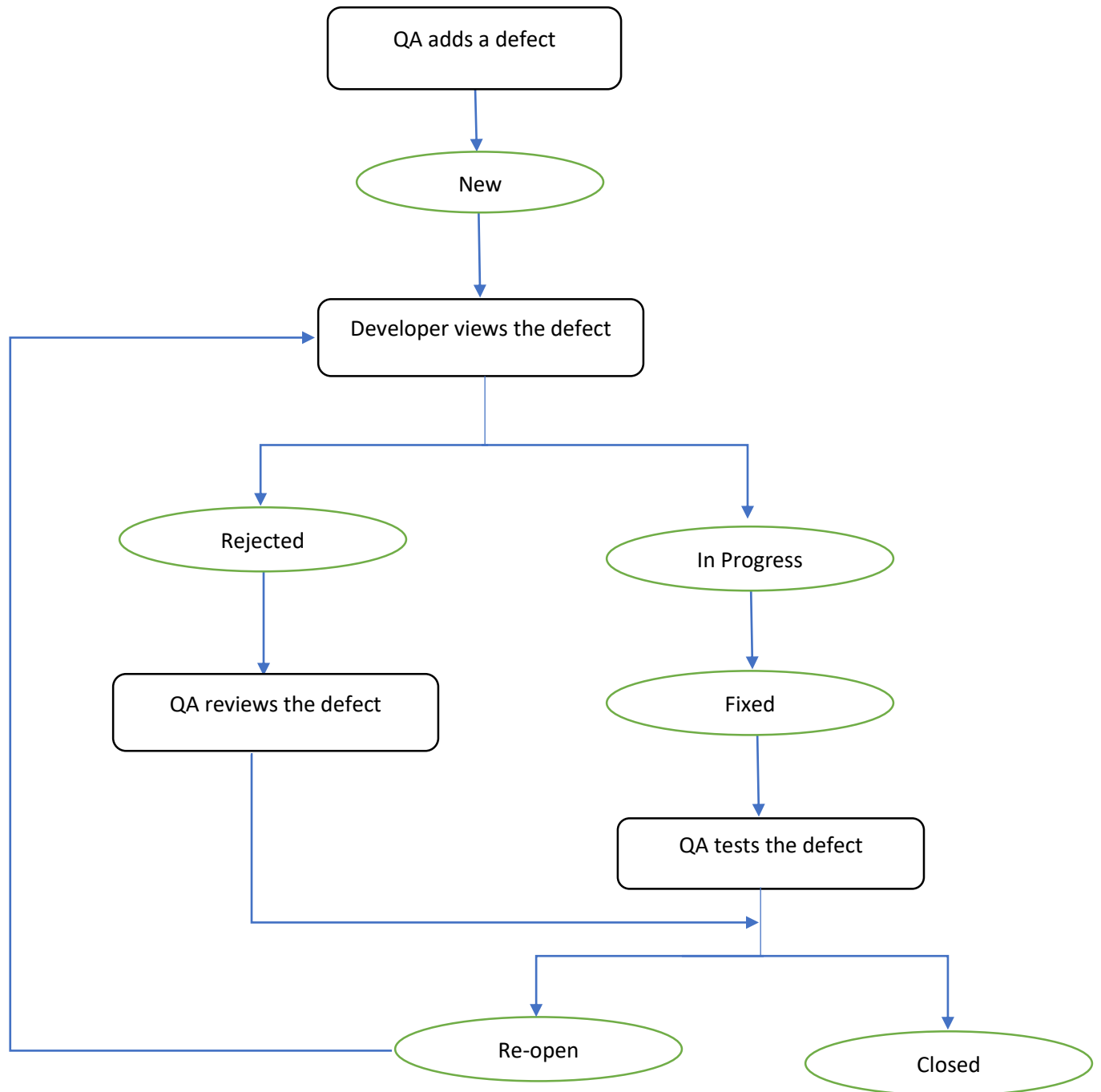
End date

Team members

Description

Create

### 3. Work flow diagram for status



## 5. Work flow of the system

