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:

Employee id String
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

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:

Employee id - String
Password - String

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:

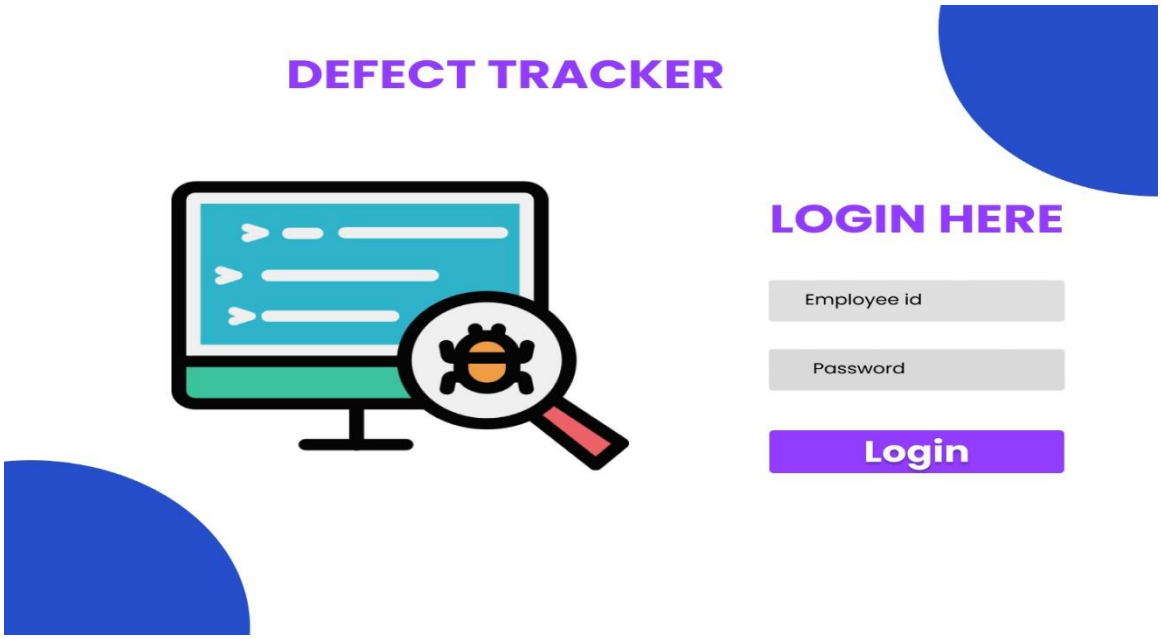
Release Id - String Release version – String Upload file – File

9. Add modules
    - Developer can add modules
    - Fields:

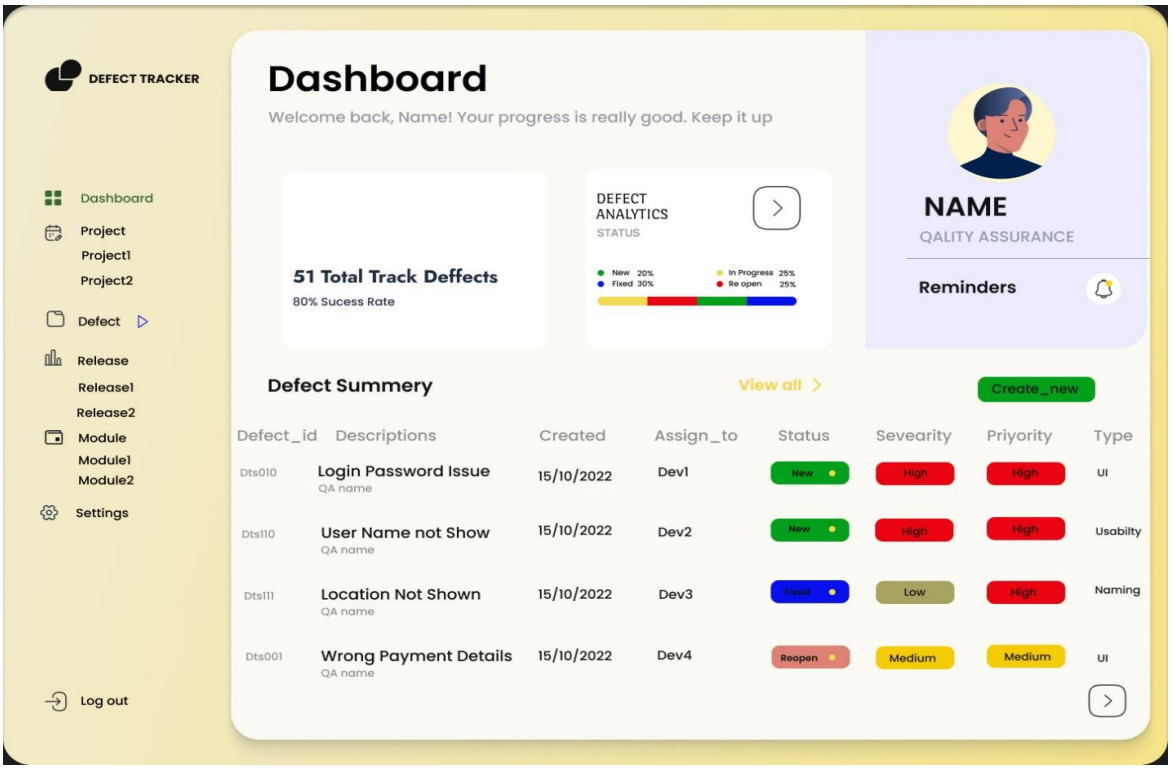
Module Id – String Name – String Assigned to – String

2. User Interfaces

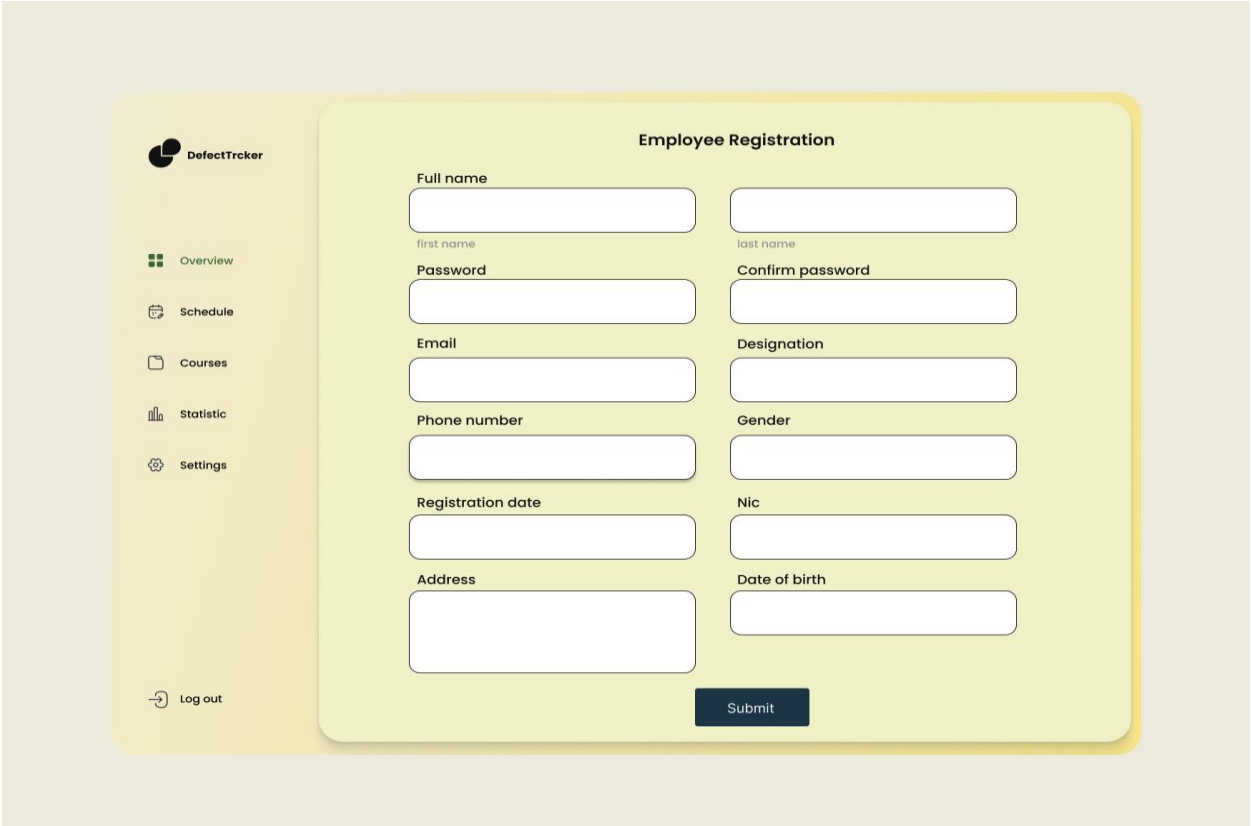
1. User log in page



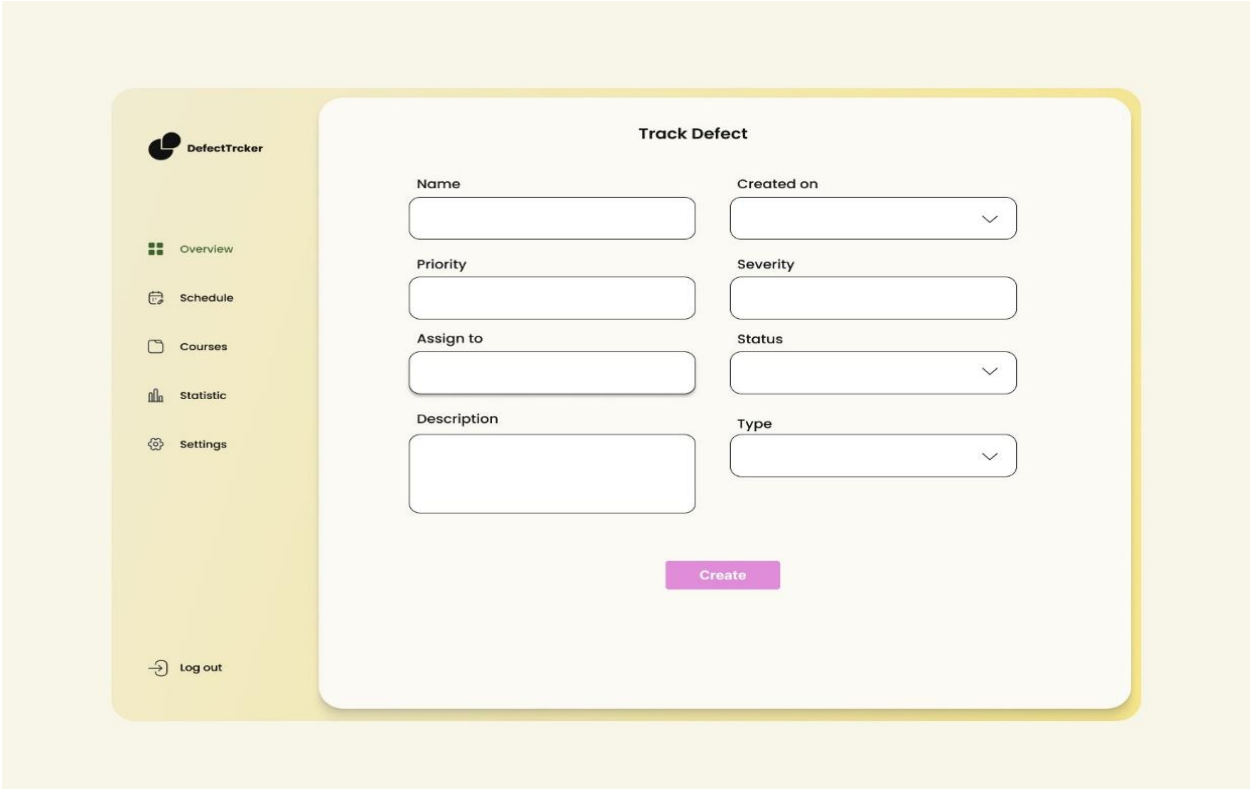
2. Dash board



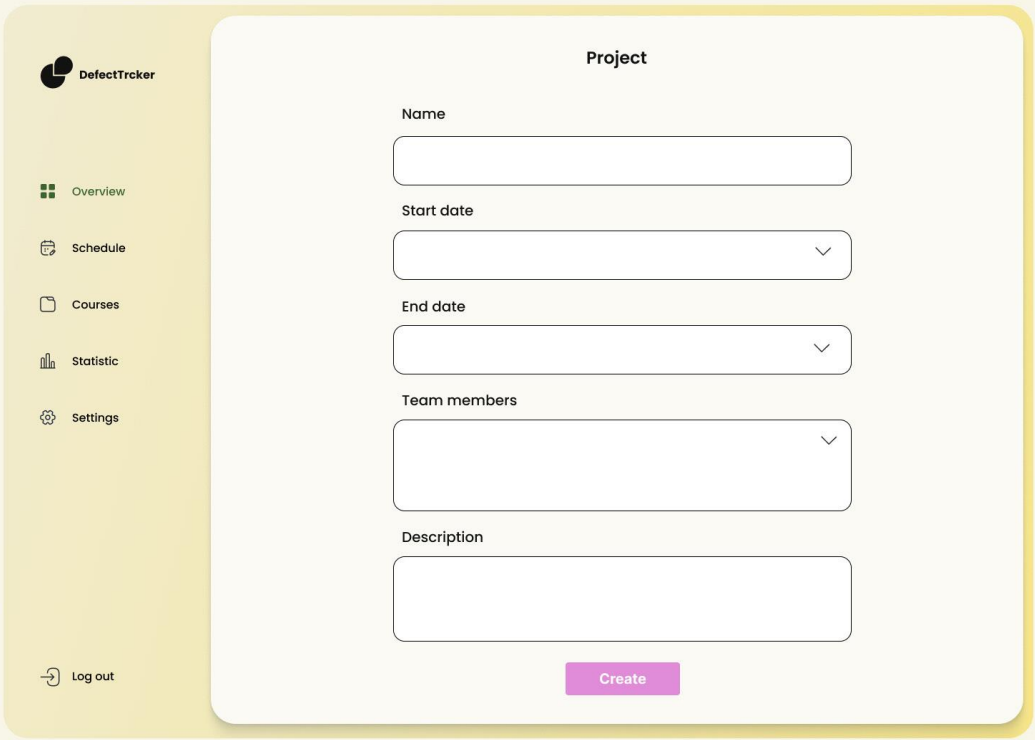
3. Registration page



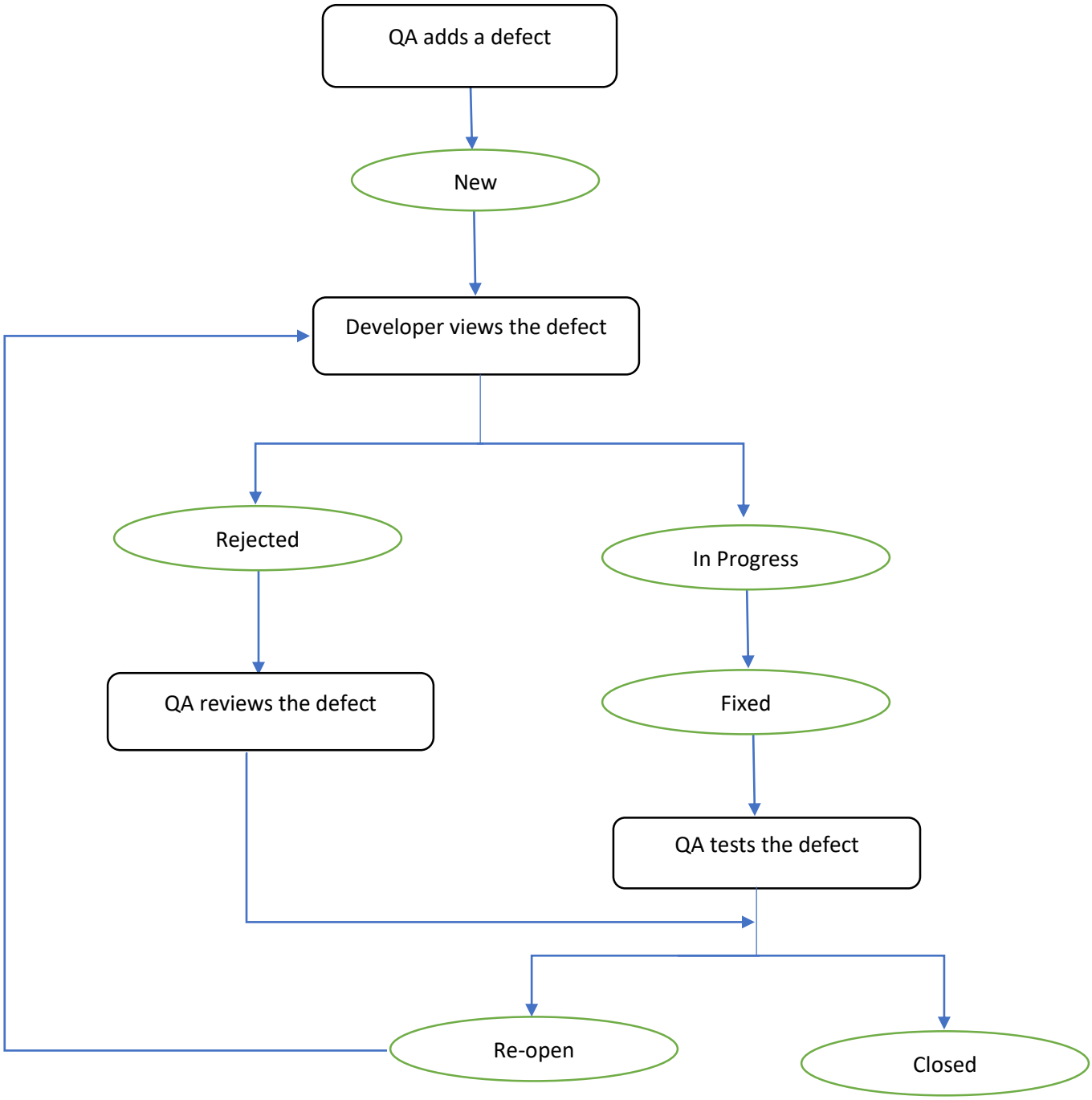
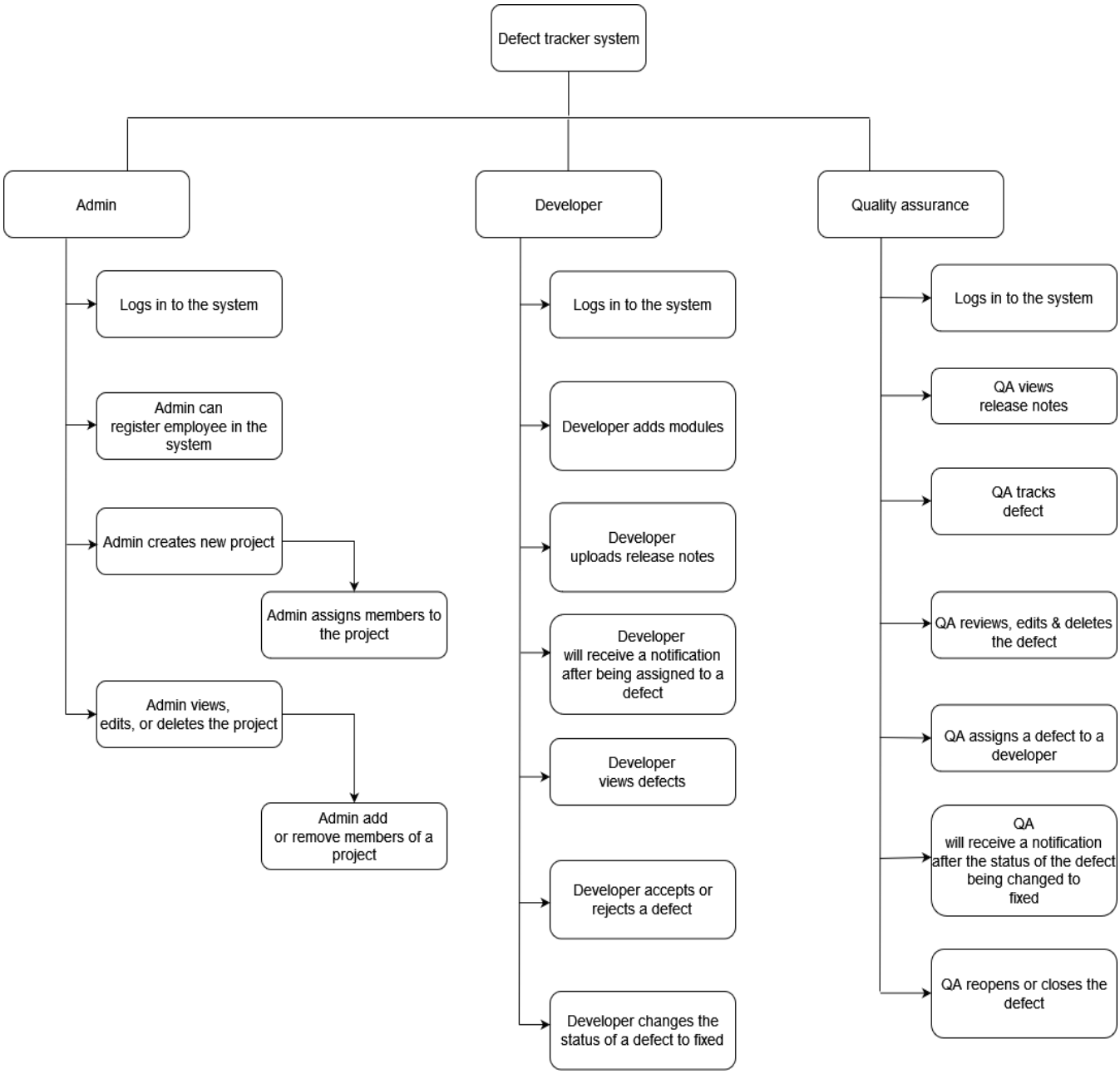
4. Track Defect



5. Create Project



3. Work flow diagram for status



5. Work flow of the system