Plant Toxic Recognition System

Abstract:- Developing a web-based Plant Toxic Recognition System (PTRS) for identifying and categorizing toxic plants in environmental applications. The system facilitates logging, assignment, and tracking of toxic plant assessments. Key features include email notifications, user maintenance, access control, and report generators for streamlined and efficient toxic plant management.

Functional Components Of The Project:-

Following is a list of functionalities of the system. More functionality that you find appropriate can be added to this list. And, in places where the description of functionality is not adequate, you can make appropriate assumptions and proceed. Following three tasks can be performed with the application:

User Maintenance:

Create, grant, and revoke access for users.

Delete users from the application.

Plant Maintenance:

Create a new plant profile.

Grant and revoke access to users for specific plants.

Mark a plant as "Active" or "Closed."

Toxicity Tracking:

Create, assign, modify, and close toxicity assessments.

Details include: Toxicity Number and Title, Priority, Date Created, Description, Diagnosis, Originator, Assignee, Status, and Resolution.

Find User:

Search for users and display results.

Find Plant:

Search for plants and display results.

Find Toxicity Assessment:

Search for toxicity assessments and display results.

Report Generation:

Generate reports on toxicity assessments.

User Privileges:

Application Admin:

All privileges for user maintenance, plant maintenance, toxicity tracking, finding users, finding plants, finding toxicity assessments, and report generation.

Plant Admin:

Privileges for plant maintenance, finding users, finding plants, finding toxicity assessments, and report generation for plants they administer.

Users:

Privileges for finding plants, finding toxicity assessments, and report generation for plants they have access to.

User Actions:

User:

Login to the system.

Change the password.

View toxicity assessments assigned to the user.

Find toxicity assessments for plants the user has access to.

Find plants to which the user has access.

Modify toxicity assessments.

Assign toxicity assessments to other users.

Find details of other users.

Generate reports of toxicity assessments for plants the user has access to.

Automatic Email Notification:

Send an email to the user as soon as a toxicity assessment is assigned.

Plant Admin:

Add a user to the plant for creating and modifying toxicity assessments.

Remove a user from the plant.

Mark a plant as "Active" or "Closed."

Application Admin:

Add a new plant.

Add a user to a plant as a Plant Admin.

Remove Plant Admin privilege from a user.

Add a new user and remove a user.

