

Project Requirements

List of Requierments

1. **User Authentication:**

- Users can log in and log out of the application.
- Sessions are managed to maintain user authentication.

2. **User Roles:**

- The application supports different roles (e.g., admin, owner).

3. **Owner Functionality:**

- Owners can view their profile information.
- Owners can view all the requests they personally made.
- Owners can view all the crops they grow on their plantations.
- Owners can view all the plantations they own.

4. **Admin Functionality:**

- Admins can view a list of all owners.
- Admins can update owner information.
- Admins can view a list of all requests.
- Admins can approve or deny any request made .
- Admins can view a list of all crops that can be grown.
- Admins can update crop information.
- Admins can view a list of all registered plantations.
- Admins can update plantation information.

5. **Search Functionality:**

- Admin can search for specific items (owners, requests, crops, plantations).

6. Pagination:

- Lists are paginated to display a limited number of items per page.

7. Report Download:

- Admins can download a complete report of all plantations registered.

8. Logout:

- Users can log out of the application.

9. Exception Handling:

- Handling exceptions during file uploads or other processes.

Purpose of the Project

The Plantation Management System (PMS) aims to improve the management of plantations, crops, and owners within an agricultural context. The project facilitates efficient data handling, user interaction, and reporting for both administrators and owners. Key objectives include:

User-Friendly Management:

Provide a user-friendly interface for owners and administrators to manage their respective tasks.

Data Organization:

Organize and store information systematically.

Task Automation:

Automate common tasks such as updating information and handling requests.

Reporting:

Generate a comprehensive CSV report of all plantations for administrative purposes (downloadCSV).

Expected Outcomes

Increase in Efficiency:

Owners and administrators should experience increased efficiency in asking, providing and receiving services.

Enhanced User Experience:

Users should find the application user-friendly, resulting in a more positive overall experience.

Administrative Oversight:

Admins should have the tools needed to manage the entire system effortlessly.

Increased Productivity:

The system should contribute to increased productivity in industry-related activities.

Constraints or Limitations

Size:

The current version of the system focuses on basic functionalities.

Security:

While basic authentication is implemented, additional security measures may be required for a production environment.

Dependency on Internet Browser:

The system's accessibility relies on internet browser and it being compatible.