Use Case: Add Plant

Actor: User

Scenario:

1. The user clicks the add plant option.
2. The user enters plant information.
3. The system creates a new plant record.
4. The system creates a watering schedule for the plant.
5. The system creates a fertilizing schedule for the plant.
6. The system notifies the user that the plant was added successfully.

Use Case: Watering

Actor: User

Scenario:

1. The user starts the watering process.
2. The system selects the related plant.
3. The system saves the watering action.
4. The system creates a maintenance history record.
5. The system calculates the next watering date.
6. The system notifies the user that watering is saved.

Use Case: View Maintenance History

Actor: User

Scenario:

1. The user wants to view maintenance history.
2. The system retrieves maintenance records of the selected plant.
3. The system displays the maintenance history to the user.

Use Case: Send Notification

Actor: System

Scenario:

1. The system detects a watering or fertilizing action.
2. The system creates a notification.
3. The system sends the notification to the user.

Use Case: Generate Report

Actor: User

Scenario:

1. The user selects the generate report option.
2. The system collects plant data.
3. The system collects maintenance history data.
4. The system analyzes the data.
5. The system generates and displays the report.