

Test Cases for ECOSCAN

TEST CASES

Unit to Test	Scenario Test	Data Expected	Results
Image Upload Functionality	User uploads a valid image of a plant leaf.	The system should identify the disease, display prevention supplements, stage, and details.	In Progress
	User uploads an invalid image format.	The system should prompt an error message indicating the unsupported format.	The system correctly handles the invalid format and prompts the user with an appropriate message.
	User uploads an image that is not a plant leaf.	The system should prompt an error message indicating that the uploaded image is not valid.	The system correctly identifies the invalid content and provides a relevant error message.
Area Report Functionality	User requests a report for a specific area.	The system should display information on diseases, soil type, and plantation details for the area.	In progress
	User requests a report for an invalid or non-existent area.	The system should prompt an error message indicating that the area is not found.	The system correctly handles the request for an invalid or non-existent area.
Soil Type and Plantation Details	User selects an area to view soil type and plantation details.	The system should display accurate information about the soil type and plantation in that area.	In progress
	User selects an area with no available data.	The system should inform the user that no data is available for the selected area.	The system correctly handles the scenario where no data is available for the selected area.

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User Interface and Navigation	User navigates through the website without uploading an image.	The system should provide a user-friendly interface with clear navigation options.	The system correctly presents a user-friendly interface, allowing smooth navigation.
	User attempts to access restricted areas without proper authentication.	The system should prompt the user to log in before accessing restricted areas.	The system correctly enforces authentication for restricted areas.
Prevention Supplements Information	User views prevention supplements for a specific disease.	The system should display accurate information on prevention supplements for the disease.	In Progress.
	User views prevention supplements for a disease with no available data.	The system should inform the user that no data is available for prevention supplements.	The system correctly handles the scenario where no data is available for prevention supplements.
Disease Stage Information	User checks the stage of a detected disease.	The system should show the current stage of the detected disease.	In Progress.
	User checks the stage of a healthy plant (no disease detected).	The system should indicate that the plant is healthy and not in any disease stage.	The system correctly identifies and communicates that the plant is healthy with no disease stage.
Area Report with Historical Data	User requests a historical report for a specific area.	The system should provide historical data on diseases, soil type, and plantation details.	In Progress
	User requests a historical report for an area with no historical data.	The system should inform the user that no historical data is available for the area.	In Progress

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User Profile and Preferences	User updates their profile information.	The system should reflect the updated user profile information.	The system correctly updates and displays the user's profile information as per the changes made.
	User sets preferences for notification alerts.	The system should send notification alerts based on the user's preferences.	The system correctly sends notification alerts according to the user's specified preferences.
Feedback and Support	User submits feedback through the website.	The system should receive the feedback and store it for analysis.	The system correctly captures user feedback and provides confirmation or acknowledgment of the submission.
	User accesses the support section for assistance.	The system should provide relevant support information and contact details.	The system correctly guides the user to the support section with accurate information for assistance.