

Test Cases for ECOSCAN

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Functionality to Test	Test Cases	Expected Results	Actual Results	Pass/Fail
Image Upload Functionality	User can upload a valid image of a plant leaf	The system should identify the disease, display prevention supplements, stage, and details.	The system is able to identify the disease, display prevention supplements, stage, and details.	Pass
	User can upload an invalid image format	The system should prompt an error message indicating the unsupported format.	The system prompted an error message indicating the unsupported format.	Pass
	User can upload 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 prompted an error message indicating that the uploaded image is not valid	Pass
Area Report Functionality	User requests a report for a specific area.	User requests a report for an invalid or non-existent area.	User is unable to request a report for an invalid or non-existent area.	Fail
	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 didn't prompt an error message indicating that the area is not found.	Fail
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.	The system didn't display accurate information about the soil type and plantation in that area.	Fail
	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 didn't inform the user that no data is available for the selected area.	Fail
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 didn't provide a user-friendly interface with clear navigation options.	Fail
	User attempts to access restricted areas without proper authentication.	The system should prompt the user to log in before accessing restricted areas.	The system didn't prompt the user to log in before accessing restricted areas.	Fail
Prevention Supplements Information	User views prevention supplements for a specific disease.	The system should display accurate information on prevention supplements for the disease.	The system didn't display accurate information on prevention supplements for the disease.	Fail
	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 didn't inform the user that no data is available for prevention supplements.	Fail
Disease Stage Information	User checks the stage of a detected disease.	The system should show the current stage of the detected disease.	The system correctly shows the current stage of the detected disease.	Pass
	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 indicates that the plant is healthy and not in any disease stage.	Pass
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.	The system didn't provide historical data on diseases, soil type, and plantation details.	Fail
	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.	The system didn't inform the user that no historical data is available for the area.	Fail
User Profile and Preferences	User updates their profile information.	The system should reflect the updated user profile information.	The system couldn't reflect the updated user profile information.	Fail
	User sets preferences for notification alerts.	The system should send notification alerts based on the user's preferences.	The system couldn't send notification alerts based on the user's preferences.	Fail
Feedback and Support	User submits feedback through the website.	The system should receive the feedback and store it for analysis.	The system couldn't receive the feedback and store it for analysis.	Fail
	User accesses the support section for assistance.	The system should provide relevant support information and contact details.	The system couldn't provide relevant support information and contact details.	Fail