

1. Test basic information

- (1) Application Name: GreenSight AI
- (2) Test Date: 2025/12/1
- (3) Tester: Group9 - Yining He

2. Test Environment and Prerequisites

2.1 Test Device Configuration

- (1) Platform: BlueStacks v5.22.91.6503
- (2) Android Version: Android 15
- (3) Emulator Setting: 4GB RAM, 4CPU cores, 1920*1080

2.2 Prerequisites and Dependencies

- (1) User Account: Valid email address required for registration
- (2) Network: Stable internet connection
- (3) Permissions: Storage access for image upload
- (4) Test Data: Sample plant disease images (5 JPG files, 2-5MB each)

3. Test Scope and Objectives

- (1) User Registration/Login Flow
- (2) AI Dialogue Interaction (Text-based)
- (3) Plant Disease Detection

4. Test Process and Results

Test Object	Test Process	Expected Result
User Registration	<ol style="list-style-type: none">1. Launch app2. Tap “Sign Up”3. Input email4. Set password5. Tap “register”	Registration successful, redirect to home screen
AI Text dialogue	<ol style="list-style-type: none">1. On AI Assistant screen2. Input: What temperature is best for tomatoes?3. Tap “Send”	Return relevant, accurate information about optimal tomato growing temperature
Plant Disease Detection	<ol style="list-style-type: none">1. On Version screen2. Tap “Upload Image”3. Select image4. Wait for analysis	Return diagnosis