

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	1. Lauch app 2. Tap “Sign Up” 3. Input email 4. Set password 5. Tap “register”	Registration successful, redirect to home screen
AI Text dialogue	1. On AI Assistant screen 2. Input: What temerature is best for tomotoes? 3. Tap “Send”	Return relevant, accurate information about optimal tomato growing temperature
Plant Disease Detection	1. On Version screen 2. Tap “Upload Image” 3. Select image 4. Wait for analysis	Return diagnosis