

**IriShield\_Demo App Testplan**

**Document Version 1.0**

**Document Change Record**

This page records any updates and revisions made to the IriSmartEye2000\_Liveness Test plan.

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| --- | --- | --- | --- |
| **Doc ver.** | **Date** | **Change Description** | **Software ver.** |
| 1.0 | 2024 Dec8 | Update Android 14 | IriShield Demo 3.6.5 |
|  |  | IDDK 2000 | SDK 3.6.1 |
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# Introduction

The IriShieldDemo application helps users to do quickly the demostration of IriShield camera on Android device. IriShield Demo provides the following functions: Capturing iris image, Registration, Matching

## Objectives

Client can use function: capturing iris imae, enrollment, unenrollment and unenrollall, verification and identification

## Testing Strategy

## Strategy to build Test case:

## All Frontend and Backend functions must write test cases

## Test device according to android version

## Focus on testing on Android device

## Resource strategy:

## Test: Responsible for testing the Functions, Interfaces

## Review the results and discuss with the developer

## Test priority order:

* Interface: Execute Manual test

## Scope

* 1. Functional requirements for test execution:
* Frontend: Capturing iris image, Registration, Matching
* Backend: CaptureProc, Version Information, Basic Device APIs, Capturing Process, Iris Recognition, Security Infrastructure, LED Control, User Authentication, Power Management
* 2. Test execution environment:
* Server: Develop support
* Device: Android device
* Android studio

## Related Documents

https://drive.google.com/drive/folders/1jNcP7C7CkH8TgRBVpu4YxtNUQbGJDMBh

## Definitions and Acronyms

## Schedule and Milestones and Deliverables

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Milestone Task | Effort (Hour) | Assign to | Deliverables | Delivery date | Note |
| 1 | Create Test Plan | 10 | Team IriShield Demo | IriShieldDemo.docx | 12/9/2024 |  |
| 2 | Create Test case File  (Test Functure ) | 2 | Team IriSmartEye2000 | IriShieldDemoTestCase.xlsx | 12/9/2024 |  |
| 3 | Create Test case on Unit Testing | 4 | Team IriSmartEye2000 | Android Studio | 12/9/2024 |  |
| 4 | Execute Test case Testing | 8 | Team IriSmartEye2000 | Android Studio | 12/9/2024 |  |
| 5 | Make test report |  | Team IriSmartEye2000 | Zephyr, Jira | 12/9/2024 |  |
| 6 | Create Test case File  (Interface Testing) | 2 |  |  | 12/9/2024 |  |
| 7 | Interface Testing Manual | 8 |  |  |  | Waiting develop release app |

# Resource Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Name | Rule | Task |
| 1 | MinhHoang | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 2 | TuanKiet | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 3 | CaoNguyen | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 4 | HongVu | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 5 | HueVo | Tead Lead | – Review of test documents  – Review report |

## Hardware

## Android 4.0 and up

## Software

* IDK 2000 : using Android Studio
* IriShield Demo: UI testing

### Test Tool

* Unit Testing: Android Studio
* Test Plan : DOC
* Test Case: MSExcel
* Result Test: MSExcel

## Staffing

* Tester

### Responsibilities

### Training

# Stage of Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Types | Unit test | Integration | System | Acceptance |
| Interface Test | x | x | x | x |
| Functional Test | x | x | x | x |
| Load test |  |  | x | x |
| Usability test |  |  | x | x |

# Testing standard

|  |  |
| --- | --- |
| Start condition test | - Round 1: When the developer has completed 70% of the modules, Unit testing has been done  - Set up environment, configure for testing  - Round 2: Test 30% of the remaining modules, and retest the bugs in round 1  - Round 3: Retest the bugs in Round 2 |
| When stop test | - Complete test  - All bugs must be credited to an agreed solution. No more bugs with Medium level or higher |
| Standard success test | - Satisfy the functional requirements of the software  - Satisfying user requirements |
| When does test recurrent | - Get new libs and new app from developer  - At the request of developer |

# Features To Be Tested

## New Features Testing

IriShield Demo App

* Capturing
* Registration
* Matching

IDDK 2000:

* CaptureProc
* Version Information
* Basic Device APIs
* Capturing Process
* Iris Recognition
* Security Infrastructure
* LED Control
* User Authentication
* Power Management

## Regression Testing

# Features Not To Be Tested

# Dependencies/Risks

# Entrance/Exit Criteria

**- The end of the document -**