Testing Reports

Revision History:

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| --- | --- | --- |
| Date | Author | Description |
| 2020.10.21 | Zachary | create the document |
| 2020.10.22 | Mark | Complete part of the test |
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Contents

[1. Introduction 3](#_Toc54271755)

[1.1. Purpose 3](#_Toc54271756)

[1.2. Intended Audience and Purpose 3](#_Toc54271757)

[1.2    How to use the document 3](#_Toc54271758)

[2. Testing Scope 3](#_Toc54271759)

[3. Testing Strategy 3](#_Toc54271760)

[4. Testing Cases 4](#_Toc54271761)

[5. Testing Results 5](#_Toc54271762)

## Introduction

## Purpose

Writing a test plan helps us to test the complete content and process through feasible means under the condition of minimizing test costs, and obtain practical test results to ensure the quality of software products.

The "test plan" of the scoliosis detection client helps achieve the following goals:

1. Determine existing project information and software components that should be tested

2. List the recommended test requirements

3. Recommend and explain the test strategies that can be used

4. Determine the required resources and estimate the test workload

5. List the deliverable elements of the test project

## Intended Audience and Purpose

This document provides the testing method and results, corresponding to the requirement from the customer. It consists of 3 parts, the testing cases, the test plan, and the testing results.

## 1.2    How to use the document

You may refer to the content section for the structure of the document, in which Sec. Testing Cases collect the unit and module test information from each team; Sec. Testing Plan shows the steps and expected results of the integration test; Sec. Results describes the real world data out of the test, and the correspondence to the requirements.

## Testing Scope

The function and performance of the following subsystems will be tested:

|  |  |
| --- | --- |
| Function | 1. Log in  2. Upload pictures  3. Show results  4. Scribe |
| performance | System response time |

## Testing Strategy

Functional testing should be able to directly trace the test requirements of use cases or business functions and business rules. The goal of this type of testing is to verify that the data is received, processed, and retrieved correctly, and the business rules are properly implemented. This aspect of the test is based on a black box test. Testers only use the UI interface presented to evaluate the use, and through the interactive output to check whether its internal functions are complete.

|  |  |
| --- | --- |
| **Test target** | Ensure that the functions of the test object can operate normally |
| **method** | Use valid and invalid data to perform the functions corresponding to each use case, and check whether its operation status is reasonable and correct according to different situations. |
| **Completion criteria** | *  All required functions can be executed normally and correctly *  The discovered defects have been found and resolved |
| **Special considerations** | null |

## Testing Cases

In this section, each team propose their testing cases on unit and module testing.

|  |  |
| --- | --- |
| Use case number | 1 |
| Module | Wechat Client |
| Test title | login |
| Steps of operation | Click the login button and authorize the usage information |
| expected results | login successful |
| actual results | login successful |

|  |  |
| --- | --- |
| Use case number | 2 |
| Module | Android Client |
| Test title | login |
| Steps of operation | Enter the account password and click login |
| expected results | login successful |
| actual results | login successful |

|  |  |
| --- | --- |
| Use case number | 3 |
| Module | Wechat Client |
| Test title | Upload Picture |
| Steps of operation | Click upload picture, select picture, click confirm |
| expected results | upload successful |
| actual results | upload successful |

|  |  |
| --- | --- |
| Use case number | 4 |
| Module | Android Client |
| Test title | Upload Picture |
| Steps of operation | Click upload picture, select picture, click confirm |
| expected results | upload successful |
| actual results | upload successful |

## Testing Results

The results of the integration are listed here and you may find the correspondence to the requirements in the requirement analysist document.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case No.** | **Module** | **Result** | **Corresponding Requirement** |
| 1 | Wechat Client | Correct |  |
| 2 | Android Client | Correct |  |
| 3 | Wechat Client | Correct |  |
| 4 | Android Client | Correct |  |
|  |  |  |  |