Test Plan

For

# “PawShare” App

Version 1.0

Prepared by

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**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| February 4th, 2024 | 1.0 | Initial version of the test plan for the app “PawShare” | Cíntia Domingos |

# PawShare App

**Test Plan Version 1.0**

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**1.** **Introduction**

This Test Plan Version 1.0 provides the strategy for testing the project “PawShare” app for iOS and Android.

## Document Purpose

This Test Plan reviews:

1. Project Scope
2. Project Resources
3. Test design and test cases
4. A proposed testing schedule
5. Requirements regarding bug resolution and exit criteria
6. Goals and expected deliverables

## Objectives

This document provides the platform for testing the project “PawShare” app. The objective of testing is to see if the project meets the “Software Requirement Specifications version 1.0”. This document will provide - (1) the guidelines for the testing team to test the basic functionalities of the app and (2) help for evaluating the Software Quality of the project.

# Project Scope

This section of the Test Plan document describes the (1) Scope of the project “PawShare” app and (2) Out of Scope of the project “PawShare” app.

## Scope of the Project

“PawShare” appwill be tested for its functionality on an iOS devide and an Android device. Both devices will have the most recent version of the OS, 17.3 for iOS and 14 for Android. Testing will include – (1) Unit testing, (2) Regression testing. Each test is scheduled to take one week with the last day of Regression testing on 22-02-2024.

The testing includes testing for several functions like

* Account creation
* Login feature
* Account deletion
* Uploading a picture
* Deleting a picture
* Adding comments to a picture
* Deleting comments from a picture
* Liking a picture
* Unliking a picture

## Out of Scope of the Project

Testing the PawShare app on older versions of iOS and Android is not in scope for this round of testing. The functionality of adding friends to a user’s profile is also out of scope for this round.

# Project Resources

Table 1 describes the Roles, Responsibilities and Resource Name for the testing of the “PawShare” app.

|  |  |  |
| --- | --- | --- |
| **Role** | **Responsibilities** | **Resource Name(s)** |
| Tester | * Plan testing activities * Execute Test Cases * Find, report and track defects * Measure test effort * Analyze results | Cíntia Domingos |
| **Back-end developer** | * Develop the back-end structure of the application * Provide Tester with feedback regarding changes, new functionality * Provide expertise and knowledge of the application-under-test * Eliminate agreed upon defects | Aragorn of Gondor |
| **iOS developer** | * Develop the app for Android * Provide Tester with feedback regarding changes, new functionality * Provide expertise and knowledge of the application-under-test * Eliminate agreed upon defects | Sam Gamgee |
| **Android developer** | * Develop the app for Android * Provide Tester with feedback regarding changes, new functionality * Provide expertise and knowledge of the application-under-test * Eliminate agreed upon defects | Frodo Baggins |
| **Business Analysts** | * Create Business Requirements * Create Test Scenarios, Test Cases | Cíntia Domingos |

**Table 1 - Project Roles and Responsibilities**

# Test Strategies/Techniques

This section of the document describes – (1) Test design, (2) Use Cases and (3) Test Cases for the “PawShare” app.

## Test Design

Considering the scope of the project and the time limitations, we will be performing following tests on both iOS and Android.

1. Unit Test –

The tester will test each functionality following the test cases below and report any bugs found.

1. Regression test –

The bugs reported during Unit tested will be fixed and re-tested.

For performing the above-mentioned tests, we will create test cases as shown in table 2.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | **Use Case ID** | **Description** | **Test Case** | | UC-1 | Use Case Create Account | TC-1 | | UC-2 | Use Case Login | TC-2 | | UC-3 | Use Case Delete Account | TC-3 | | UC-4 | Use Case Upload a picture | TC-4 | | UC-5 | Use Case Delete a picture | TC-5 | | UC-6 | Use Case Comment on a picture | TC-6 | | UC-7 | Use Case Delete a comment from a picture | TC-7 | | UC-8 | Use Case Like a picture | TC-8 | | UC-9 | Use Case Unlike a picture | TC-9 | |

**Table 2 - Use cases and Test Cases**

Table 3 contains the description of each use case mentioned in table 2 and the results expected from a corresponding test case.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case** | **Use Case ID** | **Description** | **Expected Result** |
| TC-1 | UC-1 | User enters a valid name, username, e-mail and password, receives a verification e-mail and verifies the e-mail provided. | An account is created for the user and they have access to the features of the app. |
| TC-2 | UC-2 | User provides valid e-mail address and corresponding password for the app. | The user has access to the features of the app inside their account. |
| TC-3 | UC-3 | The user clicks on the “Delete account” button in the Account Configuration and confirms the deletion on the pop-up that appears. | The user is logged out and the account is deleted. |
| TC-4 | UC-4 | While logged in, the user clicks on the button “Upload a cat” and selects a picture to upload from their device to the app. | The picture is uploaded and is visible on the user’s profile. |
| TC-5 | UC-5 | While logged in, the user clicks on the button “Delete picture” and confirms deletion on the pop-up. | The picture is removed from the user’s profile and the app. |
| TC-6 | UC-6 | The user types a comment under an uploaded picture on the app and sends it by clicking on the “Send” icon. | The comment is registered and displayed under the respective picture. |
| TC-7 | UC-7 | The user clicks on the button “Delete comment” under a comment on a picture and confirms deletion on the pop-up. | The comment is removed from the picture and the app. |
| TC-8 | UC-8 | The user clicks on the “Like” button under an uploaded picture. | The “Like” button remains highlighted in yellow. |
| TC-9 | UC-9 | The user clicks on the “Like” button on a picture they had “liked” before. | The “Like” button changes from yellow to grey, the “Like” is removed from the picture. |

**Table 3 – Description and the Expected Results of each Test Case**

# Project Tasks/Schedule

Table 4 describes the schedule for the Test Plan of the app “PawShare”.

|  |  |  |
| --- | --- | --- |
| **Task** | **Artifacts** | **Projected Completion** |
| **Test Plan Completed** | Test Plan Version 1.0 | 04.02.2024 |
| **Test Environment Prepared** | Hardware and software | 07.02.2024 |
| **Test Cases Recorded and Executed** | Test Plan Document version 1.0, Test Results Document | 14.02.2024 |
| **Defects submitted and tracked** | Unit Test Results Document, JIRA report | 15.02.2024 |
| **Regression test** | Test Plan Document Version 1.0, JIRA Report | 22.02.2024 |

**Table 4 - Project Schedule**

# Defect Responsibility/Resolution

The defects identified will be logged in JIRA during the testing round and resolved by the devs. All identified bugs must be resolved and re-tested. Defect register will be maintained to keep a track of all the defects found in the software.

# Exit Criteria

The project can proceed to the next stage of the process when all the bugs identified in the testing round have been resolved and re-tested.

# 8. Goals and Deliverables

Goals and deliverables of the test plan of the “PawShare” app are as follows:

1. **Goals:**

* To accomplish all tasks described in this test plan.
* To install a measurable, improvable, repeatable, and manageable

test process.

* To verify the functionality and content of the current version of the application.
* To reduce the frequency of error associated with manual testing.
* To find and successfully track 100% of defects present along the

user path defined in this plan.

1. **Deliverables:**

* Report by the tester in regards to the overall state of the app
* Report of the results of testing the current coverage for Android
* Report of the results of testing the current coverage for iOS
* Report of the bugs reported in the dedicated bug tracking platform (JIRA), including comparison of bugs in iOS and Android
* Summary of possible improvements