Test Summary Report

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1. Purpose

This document describes the tests done for the No Kill Louisville app for scheduling pet food pickup.

2. Application Overview

The NKL application is a Android mobile application. Its main function is to schedule a pickup for pet food. There is a secondary function that helps the volunteers check-in the clients faster using the Acuity API.

3. Testing Scope

a) In Scope

Functional Testing for the following modules are in Scope of Testing

Firebase Login and File Upload

Acuity API

UI

b) Out of Scope

Security Testing

c) Items not tested

Performance testing

4. Metrics

Acuity

- GetAppointment - PASS
- GetAppointmentList - PASS
- ConfirmCheckIn - PASS
- PrintInfo - PASS

Firebase

- Login - Unknown
- FileUpload - Unknown

5. Types of testing performed

a) Integration Test

Both Acuity and Firebase require Integration tests to make sure that the application can connect to those services.

b) Smoke Test

Smoke Test is used to test the application's user interface and its functionality,

c) Functional Test

Functional Test is needed to ensure that the output of Acuity is correct.

6. Test Environment & Tools

The testing is done on the Android Studio IDE. Plans are made to test on an actual Android phones.

The Acuity API was done in the IntelliJ IDE as it tests the connectivity between the Acuity API and Kotlin.

7. Lessons Learnt

S. No	Issues faced	Solutions
1	Issues when trying to install the application into the Android emulator due to virtual drive space.	The emulator should be given 5-10 GB of space to avoid space issues from system files and other applications present inside the emulator.

8. Recommendations

- The main activity for the NKL app should not require Firebase login to access for testing purposes.

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9. Best Practices

- *Acuity API Testing should be done in a separate instance before being integrated into the application. This would allow for faster testing as the IDE does not need to compile the other part of the application.*

10.   *Exit Criteria*

a) All Acuity API calls returns correct informations - **YES**
b) Firebase Login Successful – Unknown.
c) Firebase Upload Successful – Unknown**.**

11.   *Conclusion/Sign Off*

Once all the testing is complete, the application can be demonstrated to the people at No Kill Louisville.

12.   *Definitions, Acronyms, and Abbreviations*

NKL - No Kill Louisville

API - Application Programming Interface

Acuity - A scheduling interface used by NKL.

Firebase - Hosting service

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