Test Plan

Planr, an Agile Project Planning Application

Version 1.0

Submitted in partial fulfillment of the requirements of the degree of Master of Software Engineering

Prepared by

Michael Blakeman

CIS 895 – MSE Project

Kansas State University

Table of Contents

[1. Introduction 3](#_Toc86778174)

[1.1 Objectives 3](#_Toc86778175)

[2. Features to Test 3](#_Toc86778176)

[3. Test Cases for User Requirements 3](#_Toc86778177)

[4. Approach 3](#_Toc86778178)

[5. Item Pass/Fail Criteria 3](#_Toc86778179)

[6. Suspension Criteria and Resumption Requirements 3](#_Toc86778180)

[6.1 Suspension Criteria 3](#_Toc86778181)

[6.2 Resumption Criteria 4](#_Toc86778182)

[7. Test Deliverables 4](#_Toc86778183)

[7.1 Test Log 4](#_Toc86778184)

# Introduction

This document will include the plan for testing the critical use cases and functionalities described in the Vision Document.

## 1.1 Objectives

The test plan for the application should support the following objectives:

* Identify the features of the application which will be tested.
* Define the criteria in which a test case passes or fails.
* Define any test approaches required during testing.
* Identify the testing deliverables.

# 2. Features to Test

TBD

# 3. Test Cases for User Requirements

TBD

# 4. Approach

This test plan addresses the testing of the Planr application using automated unit testing using XCTest framework in XCode. The Planr application will be manually tested as well.

# 5. Item Pass/Fail Criteria

Tests will pass if they meet the requirements specified for the tested feature in the Vision Document 2.0 or will otherwise fail.

# 6. Suspension Criteria and Resumption Requirements

## 6.1 Suspension Criteria

In the case of a manual test failure, any tests for a feature dependent upon the failed feature must be suspended. The failed test case will be logged with a description of the test case failure as well as the date and time the failure took place. Any feature that does not have a dependency upon the failed feature may continue to be tested. Automated unit testing may resume regardless of failures.

## 6.2 Resumption Criteria

Testing for a failed feature may resume when the root cause of the defect has been identified and addressed.

# 7. Test Deliverables

## 7.1 Test Log

A test log will be used to document the test cases. The log must include a date and time of the test, if the test passed or failed, and if a failure occurs the reason for the failure must be documented with suggested solutions.