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**Revision:**

**Approvers List** - To track who has reviewed and signoff on the Test plan

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Role | Approver / Reviewer | Approval / Review Date |
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# INTRODUCTION

## Purpose

This test plan describes the testing approach that will drive the testing of the MyFitnessPal mobile application, the document introduces:

* Test Strategy: rules the test will be based on, including the givens of the project (e.g.: measurement units, objectives, assumptions); description of the process to set up a valid test (e.g.: entry / exit criteria, creation of test cases, specific tasks to perform, scheduling, data strategy).
* Execution Strategy: describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.
* Test Management: process to handle the logistics of the test and all the events that come up during execution (e.g.: communications, escalation procedures, risk and mitigation, team roster)

# Test Strategy

## Test Objectives

The objective of the test is to verify that the functionality of the work flow of MyFitnessPal works according to the business requirements.

The test will execute, identify all high, medium and low severity defects per the entrance criteria.

The release of the test is twofold:

* A production release with reported bugs.
* A set of stable test cases that can be reused for Functional test execution.

## Test Assumptions

* Smoke Testing would be carried out once the build is ready for on the store.
* Performance testing is not considered for this estimation.
* UI Design testing would be carried out once the build is ready for testing.
* All the defects would come along with a snapshot or video.
* The Test Team will be provided by production release to be tested for any required hot fixes
* The Test Team assumes all necessary inputs required during Test design and execution will be supported by Development/BUSINESS ANALYSTs appropriately.
* Test case design activities will be performed by QC team.
* BUSINESS ANALYST will review all test deliverables.
* Test team will manage the testing effort with close coordination with BUSINESS ANALYST.
* During Functional testing, testing team will use preloaded data which is available on the system at the time of execution.
* The Test Team will be perform Functional testing on MyFitnessPal Features
* The test team will retest all bugs after being fixed.

## Test Principles

* Testing will be focused the business objectives and quality.
* There will be common, consistent procedures for all teams supporting testing activities.
* Testing processes will be well defined, yet flexible, with the ability to change as needed.
* There will be entrance and exit criteria.

## Scope

### Smoke Test

**PURPOSE**: the purpose of this test is to make sure critical defects are not exist before the next levels of testing can start.

**SCOPE**: Main Functionalities of MyFitnessPal Features:

* registration
* Addingmeals
* Adding manual calories
* Complete my diary
* Adding exercise
* Checking main premium features
* Scanning the food
* Scanning the barcodes
* Checking the reminders

**TESTERS**: Salma

**METHOD**: this smoke testing is carried out in the application with test cases.

**TIMING**: at the beginning of each cycle

## Test ACCEPTANCE CRITERIA

1. Test environment with application installed, configured and ready to use state.

#### TEST DELIVERABLES :

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Deliverable Name** | **Author** | **Reviewer** |
| 1. | Test Plan | Salma | TM |
| 2. | List of points to be tested | Salma | QC TL |
| 3. | Logging Defects | Salma | QC TL |
| 4. | Defect Report | Salma | QC TL |
| 5. | Test summary report | Salma | QC TL |

## Test Effort Estimate

|  |  |  |
| --- | --- | --- |
| # | QC Activities | Efforts (Hours) |
| 1 | application analysis | 2 hrs |
| 2 | Test case development including Peer review and updates | 1 hrs |
| 3 | Test Plan/Strategy | 4 hrs |
| 5 | Functional Test- FrontEnd | 6 hrs |
| 6 | Smoke testing | 2 hrs |
| 7 | Test lead/Coordination/status reporting efforts | 2 hrs |
| Total Efforts | | 17 hrs |

# EXECUTION STRATEGY

## Entry and Exit Criteria

* The entry criteria refer to the desirable conditions in order to start test execution; only the migration of the code and fixes need to be assessed at the production.
* The exit criteria are the desirable conditions that need to be met in order proceed with the implementation.
* Entry and exit criteria are flexible benchmarks. If they are not met, the test team will assess the risk, identify mitigation actions and provide a recommendation. All this is input to the business analyst for a final “go-no go” decision.
* Entry criteria to start the execution phase of the test: the activities listed in the Test Planning section of the schedule are 100% completed.

|  |  |  |  |
| --- | --- | --- | --- |
| **Exit Criteria** | **Test Team** | **Product Owner** | **Notes** |
| 100% Test cases executed | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| 95% pass rate of Test cases | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| No open Critical and High severity defects | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| 95% of Medium severity defects have been closed |  | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| All remaining defects are either cancelled or documented as Change Requests for a future release, or postponed. |  | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| All expected and actual results are captured and documented with the test cases | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| All defects reported | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |

## Test Cycles

* + There will be two cycles for functional testing. Each cycle will execute main test cases to complete the work flow.
  + The objective of the first cycle is to identify any blocking, critical defects, and most of the high defects. It is expected to use some work-around in order to get to all the test cases.
  + The objective of the second cycle is to identify remaining high and medium defects, remove the work-around from the first cycle, correct gaps in the test cases and obtain performance results.

## Validation and Defect Management

* The defects will be tracked through JIRA server only. The technical team will gather information on a daily basis from JIRA, and request additional details from the Defect Coordinator. The technical team will work on fixes.
* It is the responsibility of the tester to open the defects, assign an initial severity and status, retest and close the defect; communicate with testers when the test can continue or should be halt, request the tester to retest, and modify status as the defect progresses through the cycle
* Defects found during the Testing will be categorized according to the bug-reporting tool “JIRA” and the categories are:

|  |  |  |
| --- | --- | --- |
| **#** | **Severity** | **Impact** |
| 1 | Critical | This bug is critical enough to crash the system, cause file corruption, or cause potential data loss, It causes an abnormal return to the operating system (crash or a system failure message appears), It causes the application to hang and requires rebooting the system. |
| 2 | Major | A major severity issue is an issue where a large piece of functionality or major system component is completely broken and there is a workaround to move further. |
| 3 | Minor | A minor severity issue is an issue that imposes some loss of functionality, but for which there is an acceptable & easily reproducible workaround. |
| 4 | Low | A low severity defect is a defect which is related to the enhancement of the system. |

# Test management process

## Test Design Process

## Test Execution Process

# Test Environment

|  |  |  |
| --- | --- | --- |
| 1 | Testing URL | https://apps.apple.com/eg/app/myfitnesspal-calorie-counter/id341232718 |

# Approvals

The Names and Titles of all persons who must approve this plan.

|  |  |
| --- | --- |
| **Signature:** |  |
| **Name:** |  |
| **Role:** |  |
| **Date:** |  |