

Test Plan

MyFitnessPal

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Instabug Technical Challenge

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1. INTRODUCTION

1.1. **Purpose:** Small Test Plan Example that will includes all tests for MyFitnessPal Application for the Purpose of Evaluating Testing Skills.

2. TEST STRATEGY

2.1. **Test Objectives:** The objective of the test is to verify that the functionality of MyFitnessPal works according to specifications.

2.2 **Scope and levels of Testing:**

Functional Tests

- **Installation**
 - Install app for the first time , Open the app store, select app and press install,then open it and make sure that app is opened to the registration page.
- **Registration with Email**
 - Open app on Registration page, choose sign up , Make sure the activity and goal setup is started.
- **Registration Wrong Birthdate**
 - Open registration page and put today's date for birth date. Make sure an error message box appears and returns back to the birthdate page.
- **Registration Correct Birthdate**
 - :Open registration page and put it older than 2000's. Date is accepted and registration continuous.
- **Registration Hight**
 - Make sure that the highest requests are in the range of 90 to 200 cm. Else an error appears in the entry field.
- **Registration with Wrong Email**
 - Enter invalid mail and click on the sign up button and make sure email error message appears.
- **Registration with Correct Email**
 - Put correct mail and make sure Verification Mail is sent with a link

- Registration with Existing username
 - Enter existing user name and make sure on clicking on signup that the username already exists message appears.
- **Successful Registration**
 - After complete Registration, Make sure the summary page appears with the goal calories needed everyday.
- **Open App After Registration**
 - After successful Registration close the app and open it again. Make sure it's opened on the home page with a total calories summary and new feeds.
- **Navigation Between tabs**
 - After opening the home Page. Validate that 5 tabs exist at the bottom of the page and we can navigate between them.
- **Add new Meal and update calorie counter**
 - Navigate to the Diary tab and add a BreakFast meal and make sure calorie count is updated.
- **Add New Meal**
 - Navigate to the Diary tab and add food, choose meal and click on the add bottom on the top right of the page. Choose create mea. Enter Meal details and save. Return to the breakfast page and search for meai. Meal should appear in the results.
- **Add Meal by non Existing Barcode.**
 - Open app. Add Meal by Barcode. Scan A barcode for non food products. A message should appear “ can't find product”.

Interruption Tests

- **Messenger Messages During Registration Process.**
 - Open application start Registration process. Inject A floating message from messenger and make sure that no Interruptions to the Registration process occurs.
- **Incoming Call During Adding a Meal.**
 - Open Application, Start Adding the meal process. Inject Incoming call, Accept it. Hang up. Make sure Data is not cleared.
- **Calendar Reminder During Adding calories.**
 - Open App to home page. Add calorie gain. Inject reminder ring. Make sure data is not cleared.

Network Tests

- **Add Meal by Barcode with unavailable Network.**
 - Disconnect network. Open App. Add meal by barcode. Error message appears" your Device needs to be online to perform a search".
- **Add Meal with 2G Network**
 - Put Network in 2G Mode.Open App, Add meal by Barcode.Error message appears" your Device needs to be online to perform a search".

Compatibility Test

- **Install app on older Android Version**
 - Try Install on Android 2 and Make sure a message appears " incompatible version, please update"
- **Install app on a compatible Version**
 - Try Install App in a recent Android version. App is installed smoothly.

3.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 end of each cycle.
- 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 project manager 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.
- Entry criteria to start each cycle: the activities listed in the Test Execution section of the schedule are 100% completed at each cycle.

Exit Criteria	Test Team	Notes
100% Test Scripts executed		
95% pass rate of Test Scripts		
No open Critical and High severity defects		
95% of Medium severity defects have been closed		
All remaining defects are either cancelled or documented as Change Requests for a future release		