**Testing & Integration Plan**

FH Mobile Application

Version 1.0

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Table of Contents

[1.0 Introduction 3](#_Toc384737376)

[2.0 Modular Test 3](#_Toc384737377)

[2.1 User Platform Requirements 3](#_Toc384737378)

[2.1.1 Bullet/Table 1 – Title of Test Case 3](#_Toc384737379)

[2.2 Account Requirements 3](#_Toc384737380)

[2.2.1 Bullet/Table 1 – Title of Test Case 3](#_Toc384737381)

[2.3 Workout schedule requirements 4](#_Toc384737382)

[2.3.1 Bullet/Table 1 – Title of Test Case 4](#_Toc384737383)

[2.4 Validation Requirements 4](#_Toc384737384)

[2.4.1 Bullet/Table 1 – Title of Test Case 4](#_Toc384737385)

[2.5 Server Platform Requirements 4](#_Toc384737386)

[2.5.1 Bullet/Table 1 – Title of Test Case 4](#_Toc384737387)

[2.6 Server Requirements 5](#_Toc384737388)

[2.6.1 Bullet/Table 1 – Title of Test Case 5](#_Toc384737389)

[2.7 User Account Requirements 5](#_Toc384737390)

[2.7.1 Bullet/Table 1 – Title of Test Case 5](#_Toc384737391)

[2.8 User Interface Requirements 5](#_Toc384737392)

[2.8.1 Bullet/Table 1 – Title of Test Case 5](#_Toc384737393)

[2.9 Database Requirements 6](#_Toc384737394)

[2.9.1 Bullet/Table 1 – Title of Test Case 6](#_Toc384737395)

[2.10 Performance Requirements 6](#_Toc384737396)

[2.10.1 Bullet/Table 1 – Title of Test Case 6](#_Toc384737397)

# 1.0 Introduction

This document describes the test plan and integration for the FH mobile application.

# 2.0 Modular Test

This section is broken down in to the different modular that will be tested in this section

## 2.9 Database Requirements

### 2.9.1– User information fields test scenario

|  |  |
| --- | --- |
| Reuirement Number | 4.5.1 |
| Requirement Name | Database Interface |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (root) 2. Navigate to the user table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to insert the new user :   INSERT INTO `fh\_db`.`user` (`Balance`, `userID`, `DOB`, `Height`, `Weight`, `Password`, `EmailAddress`, `Name`, `Address`, `CCNum`, `Type`, `transID`, `LoginID`) VALUES ('33', '5678', '2014-02-11', '6', '180', 'password', 'somone@uri.edu', 'Joe Someone ', '50 lower college rd. Kingston RI 02882 ', '45989293', '1', '333', '34050');   1. To update password or any other field, Run the SQL Query:   UPDATE `user` SET `Password`=3333333 WHERE userID=1234   1. The user is now created or updated |
| Post Conditions | Both queries run successfully |
| Test Results | PASS |

### 2.9.2-Trainer can input information test scenario

|  |  |
| --- | --- |
| Reuirement Number | 4.5.1 |
| Requirement Name | Database Interface |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to validate the activity : 5. UPDATE `activities` SET `Validate` = 'Y' WHERE `userID`=125 6. The user’s activity is now validated by the trainer |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.3-Trainer shall have access to penalty/credit & activity goals

|  |  |
| --- | --- |
| Reuirement Number | 4.5.1 |
| Requirement Name | Database Interface |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to validate the activity :   SELECT `PenAmt`,`Quantity` FROM `activities` WHERE `userID`=125   1. The user’s goals and penalty amount is now displayed for the specific user (125 in this test case) |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Correct data must be entered before a credit or penalty can be assessed

|  |  |
| --- | --- |
| Reuirement Number | 4.5.2 |
| Requirement Name | Credit/Debit requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the users table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to find trainers :   SELECT `userID`,`Name` FROM `user` WHERE `Type`='T'   1. The users that are trainers are now displayed with the userID and their name. |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Having a credit option

|  |  |
| --- | --- |
| Reuirement Number | 4.5.2 |
| Requirement Name | Credit/Debit Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code for the user to opt out of the penalty option   UPDATE `activities` SET `PenAmt` = 0 WHERE `userID`=1234   1. This will now make the credit/debit amount set to 0 so any time the user misses or completes a workout there will be a balance of 0 added or deducted to the current balance of the bank. |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Audit Trail

|  |  |
| --- | --- |
| Reuirement Number | 4.5.3 |
| Requirement Name | Compliance Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the bank under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to get the current balance of all users audit :   SELECT `userID`, `CurrentBalance` FROM `bank` WHERE 1   1. Select the Activities table under the FH\_DB Database 2. Run The following SQL Code to get the un validated activities for all users audit:   SELECT `userID`, `WorkoutID` FROM `activities` WHERE `Validate`='N'   1. There is now a list of the user’s |
| Post Conditions | Query run successfully |
| Test Results | PASS |

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### 2.9.4-System will have limited access to authorized users

|  |  |
| --- | --- |
| Reuirement Number | 4.5.3 |
| Requirement Name | Compliance Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (standard account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL Code to simulate the user trying to delete an activity   DELETE FROM `activities` WHERE 1Select the Activities table under the FH\_DB Database   1. PHPmyAdmin will then respond with the message below saying the user is working in the database and is currently logged in but does not have access to delete an activity |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Trainer only has access to user’s schedule

|  |  |
| --- | --- |
| Reuirement Number | 4.5.4 |
| Requirement Name | Security Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1Log into phpmy admin with credentials from server (trainer account in this case)   1. Navigate to the workout table under the FH\_DB database 2. Select SQL Button 3. Run The following SQL Code will make the trainer only see the workout schedule for users   SELECT `StartTime`,`EndTime`,`Date`,`WorkTime`,`userID` FROM `workout\_db` WHERE 1   1. This will return the list of workout schedules for the users |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Trainer can update penalty amount

|  |  |
| --- | --- |
| Reuirement Number | 4.5.4 |
| Requirement Name | Security Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL code for the trainer to change the penalty amount for a selected user   UPDATE `activities` SET `PenAmt`=20 WHERE `userID`=1234   1. This will change the penalty amount for a particular user. |
| Post Conditions | Query run successfully |
| Test Results | PASS |

### 2.9.4-Trainer can control the actual amount of activity to calculate penalty

|  |  |
| --- | --- |
| Reuirement Number | 4.5.4 |
| Requirement Name | Security Requirements |
| Pre conditions | Access to PHP my admin to run the query to login |
| Procedures | 1. Log into phpmy admin with credentials from server (trainer account in this case) 2. Navigate to the activities table under the FH\_DB database 3. Select SQL Button 4. Run The following SQL code for the trainer to change the actual work out amount for a selected user so the penalty can be calculated.   UPDATE `activities` SET `ActQuan`=20 WHERE `userID`=1234   1. This will put the amount in from the trainer for the penalty to be calculated off of. |
| Post Conditions | Query run successfully |
| Test Results | PASS |