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***Software Engineering***

***Test Plan Document:***

***Iteration 3***

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# **Introduction**

## 

## **Iteration Overview**

In iteration 3 we added the ability for the user to record a workout session when they are done working out for the day. Also we allowed the user to pick previous days from the calendar to view previous workouts they had performed. Once the exercise had been entered, we added the specified description to the exercise on the home page. This iteration the rewards page was implemented to allow users to earn rewards/point through completing a workout. We added further implementation to the add exercise page to allow the user to select between pounds and kilograms.

***Guidelines:***

* View Past Workouts
  + Selecting a Previous Day: the user should be able to select a previous day from the calendar and then click the choose date button to switch the date
    - Expected Result: once the user has changed the date, the home page should refresh with the selected day’s workouts that were performed.
* View Exercise Description:
  + Viewing Description: the user should be able to view the description they added to the workout on the homepage with the correlating exercise.
    - Expected Result: once the user has filled out the description field in the add an exercise page, the exercise should be displayed on the home page with the description that the user entered.
* Record Workout Session
  + Record a Workout: the user should be given the option to complete their workout after they have entered in at least one exercise
    - Expected Result: once the user has completed a workout points should be added towards earning their next reward.
  + Conditions:
    - The complete workout button should be disabled until the user has entered one exercise.
    - The complete workout button should not be visible after the workout has been completed.
    - The complete workout button should only be visible on the current day.
* View Reward Progress
  + View Progress: the user should be able to go to the rewards page and see the amount of points they have earned
    - Expected Result: the user should be able to see the points they have earned on the progress bar
  + Conditions:
    - The points should increment each time a workout has been completed
* Earn A Reward
  + Earn Reward: the user should be able to earn a reward once they have earned the sufficient amount of points.
    - Expected Result: the user should be given the option to claim their reward once they have the correct amount of points.
  + Conditions:
    - The user should not be able to claim rewards that cost more than the points that they have earned.
    - The user should not be able to claim a reward again after it has been claim before.
* Select Weight Units
  + Select Weight Units: the user should be able to select between pounds and kilograms when recording the weight used in the add exercise page.
    - Expected Result: the user can choose either pounds or kilograms and will be displayed on the homepage.
  + Conditions:
    - Either pounds or kilograms must be selected.

## **Items Not Covered by These Test Cases**

No, currently we are trying to test all functions and processes that we can think of.

## **Bug Tracking**

We will be using a database management system to track bugs in the database, namely, PHPmyAdmin. The DBMS will make it easier to identify where these bugs are occuring while practically testing features will be our main method of reporting the bugs*.*

## **Quality Control**

We will follow our quality standards, that every member of the group will adhere to during the testing process. We will confirm that we have a good test plan by ensuring that we cover every function of the iteration.

## **Adequacy Criterion**

As a team, we decided that if 95% of the tests pass, then testing will be complete for this iteration. We plan to discuss this number with our client to decide if they agree.

# **Test Cases**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **User Story** | **Action / Input** | **Expected Result** | **Actual Result** | **P/F** | **Notes** | **Date test performed** | **Tester** |
| 1a. | View Past Workouts | The user selects a previous day. | The application shows the workout for a previous day. | The application shows the workout for the selected day. | P | Shows Correct Workout. | 4/22/19 | Michael Yilma |
| 2a. | View Exercise Description | The user views the description they set for a specific exercise. | The application shows the correct description for the exercise. | The application shows the correct description for the exercise. | P | Shows Correct Description. | 4/22/19 | Michael Yilma |
| 3a. | Record Workout Session | The user clicks the complete workout button and records their workout for the day. | The application updates their reward progress. | The application updates their reward progress. | P | Correctly Completes Workout. | 4/22/19 | Michael Yilma |
| 3b. | Record Workout Session | The user clicks the complete workout button and records their workout for the day. | The application disables the complete workout button, so the workout for that day cannot be recorded again. | The workout is recorded and the button is disabled. | P | Correctly records workout and disables button. | 4/22/19 | Michael Yilma |
| 4a. | View Reward Progress | The user can view their reward progress. | The application shows the users reward progress. | The application shows the users reward progress. | P | Shows correct reward progress. | 4/22/19 | Michael Yilma |
| 5a. | Earn a Reward | The user can claim a reward, once they reach the certain amount of points. | The application allows the user to claim a reward. | The application allows the user to claim the selected reward. | P | Correctly records that reward is claimed. | 4/22/19 | James Dadson |
| 6a. | Select Weight Units | The user can select either pounds or kilograms for an exercise weight. | The application allows the user choose weight units. | Weight Units updated. | P | Shows correct weight units. | 4/22/19 | James Dadson |
| 7a. | Edit Exercise | The user can edit an exercise for a certain workout. | The application allows the user to edit an exercise for a certain workout. | The exercise is updated. | P | Shows updated exercise. | 4/22/19 | James Dadson |
| 8.a | Delete Exercise | The user can delete an exercise. | The application allows the user to delete an exercise from a certain workout. | The exercise is deleted. | P | Deletes specified exercise. | 4/22/19 | James Dadson |

***Guidelines:***

* *Although the information in the table above indicates that each test comprises a line, actual descriptions may require multiple lines.*
* *The* ***Test #*** *can represent a category or set of tests related to a user story. In these situations, add a suffix to the number using small Roman letter. For example, use Test 2.a, Test 2.b, …*
* *All tests should have a specific purpose. For example, a test may evaluate the satisfaction of a specific requirement, in which case, the user story number should be included.*
* *A test (****Action****) may comprise a series of steps. Each step should be specific with regard to relevant user input and data files. That is, the information in this document is a prescription for executing the test.*
* *Some steps may be common to more than one Test. Some Tests may take up where others left off. There is no need to duplicate this content. In these cases, refer in the* ***Action*** *section to the* ***Test #*** *and Step Numbers that should be performed.*
* ***Expected Results*** *describe the exact output that should be produced by the test.* ***Actual Output*** *is what happened when the test was run. Note that for non-functional tests, the contents of this field might include elapsed time, memory consumed, etc. For failing tests, the output might include information about exceptions raised.*
* ***P/F*** *denotes Pass / Fail. A test should only pass if its expected output matches its actual output.*
* *The* ***Notes*** *field can provide details so that the team can repeat the test in future iterations.*

# **Iteration 0 – Bug Reports**

*This section details bugs (or failed tests) found during the current iteration..*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Originator** | **Submit Date** | **Summary** | **Severity**  [Critical | major | normal | minor | trivial | enhancement] | **Platform**  [PC | Mac] | **OS**  [Windows | Mac | Linux] | **Browser**  [IE | Firefox | Chrome | Safari] | **Completion Date** |
| 3a. | Record Workout Session | 4/25/19 | The user clicks the complete workout button, but their workout is not recorded. | normal | ALL | ALL | ALL | 4/19/19 |

# **Customer Acceptance Testing**

*This section details for each test the steps necessary for the customer to perform acceptance testing and the expected results, and provides a section for recording the observed results. The customer should fill in this table at then end of the iteration/phase. Failed tests should result in bug reports.*

Customer Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Iteration 1:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1.a | Create An Account | Add first name data | Data correctly adds to database |  |  |  |  |
| 1.b | Create An  Account | Add last name data | Data correctly adds to database |  |  |  |  |
| 1.c | Create An  Account | Add user name data | Data correctly adds to database |  |  |  |  |
| 1.d | Create An  Account | Add RU ID data | Data correctly adds to database |  |  |  |  |
| 1.e | Create An  Account | Add E-Mail address data | Data correctly adds to database |  |  |  |  |
| 1.f | Create An  Account | Add password data | Data correctly adds to database |  |  |  |  |
| 1.g | Create An  Account | Add confirm password data | Data is added to the database, only if the passwords match |  |  |  |  |
| 2.a | Select An Exercise | Add Exercise type data | Data correctly adds to database |  |  |  |  |
| 3.a | Add a Set | Add set type data | Data correctly adds to database |  |  |  |  |
| 4.a | Record Weight | Add weight data | Data correctly adds to database |  |  |  |  |
| 5.a | Record Reps | Add reps data | Data correctly adds to database |  |  |  |  |
| 6.a | Login Username | Enter Username | Valid username |  |  |  |  |
| 7.a | Login Password | Enter Password | Valid password |  |  |  |  |

Iteration 2:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **User Story** | **Action / Input** | **Expected Result** | **Actual Result** | **P/F** | **Notes** | **Date test performed** | **Tester** |
| 1.a | Add Note | Add a note to workout | Note correctly attaches to an exercise. |  |  |  |  |  |
| 1.b | Add Note | Attempt with harmful code | Note is not added. |  |  |  |  |  |
| 2.a | Select day | Select day from calendar | The day selected and corresponding “add exercise” page is opened. |  |  |  |  |  |
| 2.b | Select day | Calendar cycles through dates correctly. | The calendar iterates correctly. |  |  |  |  |  |
| 3.a | Create a Goal | Add goal name | Data correctly added to database. |  |  |  |  |  |
| 3.b | Create a Goal | Add goal description | Data correctly added to database. |  |  |  |  |  |
| 3.c | Create a Goal | Add goal end date | Data correctly added to database. |  |  |  |  |  |
| 3.d | Create a Goal | Add goal start date | Data correctly added to database. |  |  |  |  |  |
| 4.a | Update a Goal | Change the description of a goal. | Update pushed to the database. |  |  |  |  |  |
| 4.b | Update a Goal | Change the completion date of the goal. | Update pushed to the database. |  |  |  |  |  |
| 4.c | Update a Goal | Change the name of the goal. | Update pushed to the database. |  |  |  |  |  |
| 5.a | Delete a Goal | Delete a Goal selected. | Delete pushed to the database. |  |  |  |  |  |
| 6.a | Complete a Goal | Complete a Goal selected. | Goal categorized as completed. |  |  |  |  |  |
| 7.a | Filter Exercises | Filter by date selected | Workout filtered by the completion date. |  |  |  |  |  |
| 7.b | Filter Exercises | Filter by name selected. | Workout filtered by the goal name. |  |  |  |  |  |
| 8.a | Plan a Workout | Select a date and log workouts for future dates. | User redirected to “add exercise”. |  |  |  |  |  |

Iteration 3:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **Feature** | **Action / Input** | **Expected Result** | **Actual Result** | **P/F** | **Notes** | **Date test performed** |
| 1a. | View Past Workouts | The user selects a previous day. | The application shows the workout for a previous day. |  |  |  |  |
| 2a. | View Exercise Description | The user views the description they set for a specific exercise. | The application shows the correct description for the exercise. |  |  |  |  |
| 3a. | Record Workout Session | The user clicks the complete workout button and records their workout for the day. | The application updates their reward progress. |  |  |  |  |
| 3b. | Record Workout Session | The user clicks the complete workout button and records their workout for the day. | The application disables the complete workout button, so the workout for that day cannot be recorded again. |  |  |  |  |
| 4a. | View Reward Progress | The user can view their reward progress. | The application shows the users reward progress. |  |  | . |  |
| 5a. | Earn a Reward | The user can claim a reward, once they reach the certain amount of points. | The application allows the user to claim a reward. |  |  |  |  |
| 6a. | Select Weight Units | The user can select either pounds or kilograms for an exercise weight. | The application allows the user choose weight units. |  |  |  |  |
| 7a. | Edit Exercise | The user can edit an exercise for a certain workout. | The application allows the user to edit an exercise for a certain workout. |  |  |  |  |