

Testing

For Pain and Gain



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# Test plan

Whilst I was creating Pain and Gain, I did a lot of testing as I was developing each page as I was following a unit testing test strategy. This helped me a lot as it reduced the amount of errors that I had come across when developing other pages mainly because it was error handled properly at the beginning.

# Error log

### List of error that I came across while developing the program

|  |  |
| --- | --- |
| Error | Solution |
| Error In sign-up.php line 51 expected end case | Forgotten to close the bracket |
| Log in system won’t work | Php needed to start session |
| Text area wouldn’t display new text in a new line | \n needed to go to new line |
| Calorie counter text not changing when adding food | Wrong id put in JavaScript |
| Login would allow any user to login when pressing log in | Had to create a separate login.php file to ensure that username and password were entered first |

# Test cases and logs

#### Testing for login system:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Input | Expected outcome | Actual outcome | Comments |
| Click on the sign-up page |  | Sign up page should appear | Sign up page appears |  |
| Click on the sign up button |  | Error message saying fields are empty | Error message displayed | The way the message is displayed is in next to the link where it will signup=empty |
| Enter numbers in first name, last name and username |  | Error message saying that text is invalid should come up | Error message saying invalid appears | Message appear at the end of the link |
| Enter appropriate text in all fields | First name – Yasseen  Last name – Ahmanache  Email – [example@email.com](mailto:example@email.com)  Username – Yasseen\_A  Password - Password | Message saying sign up success | Sign up=success appears |  |
| Enter wrong password into the login | Test123 | Login fail | Login=error displayed |  |
| Enter wrong username | Frank | Login fail | Login=error displayed |  |
| Enter right details | Yasseen\_A  Password | Login=success and log out button should be displayed | Logout button displayed and login=success shown |  |
| Click on logout button |  | User now logged Out | User logged out |  |

#### Testing for Current plan page:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Input | Expected outcome | Actual outcome | Comments |
| Click on the button that says  “consuming target” and enter input | -50 | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “consuming target” and enter input | 0 | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “consuming target” and enter input | asd | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “consuming target” and enter input | 2000 | Number should display on the screen along with an edit button underneath it | Number 2000 along with text is displayed and edit button is underneath it |  |
| Click on the edit target button and enter input | 2500 | Number should change to 2500 | Number changed to 2500 |  |
| Click on the button that says  “Exercising target” and enter input | -50 | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “Exercising target” and enter input | 0 | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “Exercising target” and enter input | Asd | Error message should be displayed | “Error - You must enter a positive number” is displayed |  |
| Click on the button that says  “Exercising target” and enter input | 2000 | Number should display on the screen along with an edit button underneath it | Number 2000 along with text is displayed and edit button is underneath it |  |
| Click on the edit target button and enter input | 2500 | Number should change to 2500 | Number changed to 2500 |  |

Testing for calorie counter page:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Input | Expected outcome | Actual outcome | Comments |
| Remove all targets and select any food from the list |  | Error message should be displayed | “You need to re/set your target appears” |  |
| Enter an eating target and add coke from the list | 2000 | Counter should go down from 2000 to 1900 | Target now displaying 1900 calories left |  |
| Repeat 20 times |  | After the 20th time a message should appear that you have reached your target because the counter has hit 0 | “You have reached your target” appears |  |
| Remove all targets and enter your own amount | 200 | Error message should be displayed | “You need to re/set your target appears” |  |
| Enter a target and a valid number |  | Counter should be reduced | Target displays less number now |  |
| Add a food |  | Food should display in history text area | Food displayed in text area |  |

Test for exercises tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Input | Expected outcome | Actual outcome | Comments |
| Reset targets and click on arm exercises button |  | Should take you to the arm exercises page | Arm exercises appear |  |
| Click on the button that says add bicep curl |  | Error message should be displayed | “you need to re/set your target” displays |  |
| Add a target and then add bicep curl with sets and reps | Sets – 3 reps – 3 | Total calories should be taken away from target | Target changes according to the calories taken out |  |
| Repeat until target hits 0 or goes underneath |  | Message displayed saying you have reached your target | “You have reached your target” appears |  |
| Repeat for the other 4 arm exercises |  | When no target error should appear  Target should change based on the exercise and the sets and reps  And you should be shown message once you reach your target | “you need to re/set your target” displays when you don’t have a target set  Target changes according to the calories taken out  “You have reached your target” appears when the counters reaches below 0 | I have a lot of exercises in arms which use the same function only with different variable names so I tested them all and put them together in this row in my test log |
| Reset targets and click on leg exercises button |  | Should take you to the leg exercises page | Legs exercises appear |  |
| Click on the button that says add leg press |  | Error message should be displayed | “you need to re/set your target” displays |  |
| Add a target and then add leg press with sets and reps | Sets – 2 reps – 4 | Total calories should be taken away from target | Target changes according to the calories taken out |  |
| Repeat until target hits 0 or goes underneath |  | Message displayed saying you have reached your target | “You have reached your target” appears |  |
| Repeat for the other 3 leg exercises |  | When no target error should appear  Target should change based on the exercise and the sets and reps  And you should be shown message once you reach your target | “you need to re/set your target” displays when you don’t have a target set  Target changes according to the calories taken out  “You have reached your target” appears when the counters reaches below 0 | I have a lot of exercises in legs which use the same function only with different variable names so I tested them all and put them together in this row in my test log |
| Reset targets and click on upper-body exercises button |  | Should take you to the upper-body exercises page | Upper body exercises appear |  |
| Click on the button that says add bench press |  | Error message should be displayed | “you need to re/set your target” displays |  |
| Add a target and then add bench press with sets and reps | Sets – 5 reps – 4 | Total calories should be taken away from target | Target changes according to the calories taken out |  |
| Repeat until target hits 0 or goes underneath |  | Message displayed saying you have reached your target | “You have reached your target” appears |  |
| Repeat for the other 3 upper body exercises |  | When no target error should appear  Target should change based on the exercise and the sets and reps  And you should be shown message once you reach your target | “you need to re/set your target” displays when you don’t have a target set  Target changes according to the calories taken out  “You have reached your target” appears when the counters reaches below 0 | I have a lot of exercises in upper body which use the same function only with different variable names so I tested them all and put them together in this row in my test log |
| Reset targets and click on lower-body exercises button |  | Should take you to the lower-body exercises page | lower body exercises appear |  |
| Click on the button that says add crunch |  | Error message should be displayed | “you need to re/set your target” displays |  |
| Add a target and then add crunch with sets and reps | Sets – 6 reps – 20 | Total calories should be taken away from target | Target changes according to the calories taken out |  |
| Repeat until target hits 0 or goes underneath |  | Message displayed saying you have reached your target | “You have reached your target” appears |  |
| Repeat for the other 2 lower body exercises |  | When no target error should appear  Target should change based on the exercise and the sets and reps  And you should be shown message once you reach your target | “you need to re/set your target” displays when you don’t have a target set  Target changes according to the calories taken out  “You have reached your target” appears when the counters reaches below 0 | I have a lot of exercises in lower body which use the same function only with different variable names so I tested them all and put them together in this row in my test log |
| Reset targets and click on cardio exercises button |  | Should take you to the cardio exercises page | cardio exercises appear |  |
| Click on the button that says add running |  | Error message should be displayed | “you need to re/set your target” displays |  |
| Add a target and then add running with minutes | 20 minutes | Total calories should be taken away from target | Target changes according to the calories taken out |  |
| Repeat until target hits 0 or goes underneath |  | Message displayed saying you have reached your target | “You have reached your target” appears |  |
| Repeat for the other 2 cardio exercises |  | When no target error should appear  Target should change based on the exercise and the sets and reps  And you should be shown message once you reach your target | “you need to re/set your target” displays when you don’t have a target set  Target changes according to the calories taken out  “You have reached your target” appears when the counters reaches below 0 | I have a lot of exercises in lower body which use the same function only with different variable names so I tested them all and put them together in this row in my test log |

History page testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Input | Expected outcome | Actual outcome | Comments |
| Add any food from calorie counter page |  | Food along with its calories should be displayed in the text area | Food and then calories are displayed |  |
| Add another food |  | Should be displayed in the next line | Food is displayed in the next line |  |
| Add exercise |  | Exercise name along with calories sets and reps should be displayed | Exercise displayed along with sets and reps |  |
| Add another exercise |  | Should be displayed in the next line | Displayed in the next line |  |
| In the input box just underneath the text area, enter test and then click save history |  | Text file called test should download containing all the items in the text area | Test text file downloaded along with contents of text are |  |