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| Test Scenario | Test Case | Test Data  **I, V, or Blank**  **I = invalid, V = Valid, Blank = no entry** | Expected Result  **Error , Pass,** or **other** | Result |
| Login  Page | 1. Try to sign in without registering | **No Test Data** | Error | Request declined |
| 2. Select make a new account | **No Test Data** | Sent to register page | Sent to register |
| 3. **After registering**,  Try logging in. | Name: Sam  Height: 23  DOB: **2018/04/28**  Weight: **23** Gender: **Male**  Weight loss: **1lb per week**  Fitness level: **4** | Login Works | Home screen popped up. |

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| Test Scenario | Test Case | Test Data  **I, V, or Blank**  **I = invalid, V = Valid, Blank = no entry** | | | Expected Result  **E , S,** or **other** | Result |
| Registration  Page | 1. Enter everything except Name. | Name: Blank  Height: **V**  DOB: **V** | Weight: **V** Gender: **V**  Weight loss: **V**  Fitness level: **V** | | Error | Error caught Request Decline |
| 2. Enter Valid name and no date. | Name: **V**  Height: **V**  DOB: **Blank**  Fitness level: **V** | Weight: **V** Gender: **V**  Weight loss: **V** | | Error  Pop up box | Error caught Request Decline |
| 3. No height.  3.1 invalid height | Height: Blank, 5403.556+77N | | | Error  Pop up box  3.1 Issue not detected | A. Error caught  B. Application Crashed |
| 4.1) No DOB.  4.2) minimum Age | Name: **V**  Height **V**  DOB: Blank, 23/04/2018  Fitness level: **V** | | Weight: **V** Gender: **V**  Weight loss: **V** | A. Error Pop up box  B. 04/20/2018 | A. Error caught  B. Error not caught |
| 5.) Try to enter incorrect characters in weight. | Name: **V**  Height: **V**  DOB: **V**  Fitness level: **V** | | Weight: **fr32**  Gender: **V**  Weight loss: | Constraint set to enter only numbers | No error |
| 4.) No gender selected.  4.1) Check male button works.  4.2) Check female button works. | Name: V  Height V  DOB: V  Fitness level: V | Weight : V Gender : Blank, V, V  Weight loss: V | | 4. Error Pop up box  4.1 Pass  4.2. Pass | A. Pop Up Box  B. Passed  C. Passed |
| Try to enter incorrect characters in weight. | Name: **V**  Height: **V**  DOB: **V**  Fitness level: **V** | Weight: hg Gender: **V**  Weight loss: **V** | | Constraint won’t allow letters | Passed |
| Check if cancel Button Works | Name:  Height  DOB  Fitness level: | Weight Gender  Weight loss | | Sent to login page | Passed |
| Enter all the information | Name: Samuel  Height: 167.67  DOB: 1991/02/01  Fitness level: 4 | Weight: 69 Gender: Male  Weight loss :2lbs | | Requirements  Satisfied | App Crashed |

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| Test Scenario | Test Case | Test Data  **I, V, or Blank**  **I = invalid, V = Valid, Blank = no entry** | | Expected Result  **E , S,** or **other** | Result |
| Profile  Page | 1. Modify profile to show no name. | Name: Blank  Height: V  Current Weight: V  Weight | BMI Gender  Calories  Fitness level: | Error caught | Passed  Error was caught |
| 2.Change initial weight to 0 | Name: V  Height V  Current Weight: 50  Weight: V | BMI: V Gender : V  Calories: V  Fitness level: V | Allows user to change initial weight | Passed user can’t change initial weight |
| 3. change current weight to 0 | Name:  Height  Current Weight:  Weight | BMI Gender  Calories  Fitness level: | Allows user to save changes | Weight has to be 20 – 250KG |
| 4.) Change target | Name: V  Height : V  Current Weight: V  Weight : V | BMI : V Gender: V  Calories: V  Fitness level: from 4 to 3 | No error | No Error |
| 5.) Check to see if calories recommend change if weight is different. | Current Weight:80 - 90  Calories 163.2 | | No change | Calories changed to 1007 |
| 6. Enter a character for waist girth. | Waist girth: 32 | | No error | Application Crashed |
| 8. Save Changes | Name: Samuel  Current Weight: 69  Fitness level: 5 | | No Errors | No errors |

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| Test Scenario | Test Case | Test Data | Expected Result | Result |
| Exercise Page | Search By fitness Level 1 | NO DATA | Displays beginner workouts | Workouts changed to level 1 |
| Search By fitness Level 4 | NO DATA | Displays intermediate workouts | Workouts changed to level 4 |
| Search By fitness Level 5 | NO DATA | Displays advance workouts | Workouts changed to level 5 |
| Search By muscle group  Search by arms | NO DATA | Displays arm workouts | Displays arm workouts |
| Search By muscle group  Search by legs and select an exercise | Reverse Lunge | Displays the correct information | Does as expected |
| Enter workout information | Side to side push up.  Duration of the exercise: 50 minutes  Calories burned: 200 calories | No error | No Error |
| Enter an invalid argument in a workout | Squats | Constraint set to integer values only | Does as expected |
| Attempt to crash the exercise page  By entering a large number. | 323213432432432 | Display error message | Value not accepted, but there’s no error message. |
| Enter a valid workout | Push up 50  Squats 150  Pull ups 40 | No error | Workout Saved |

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| Test Scenario | Test Case | Test Data | | Expected Result | Result |
| Food Page | 1. Check to see if the date button works | | No data needed | No Errors | Calendar was displayed |
| Add foods into the database | |  | No Errors | Food added into the database |
| Try to add letters in the amount section | |  | No entry | Numbers only |
| Log meal eaten today in the program  For dinner | | Bread 40g  Rice 60g  Chicken 100g |  | Food displays on home page |
| Enter a snack eaten | | Granola Bar 30g |  | Displays snack on the home page |
| Enter an excessive amount in grams | | Chicken 1000g | No correction by program | Grams is capped at the amount you entered in the database. |
| Duplicate food entry | |  | No errors | Over writes food item. |
| Cancel food entry | |  | Returns to food page | Cancel button doesn’t work. |