

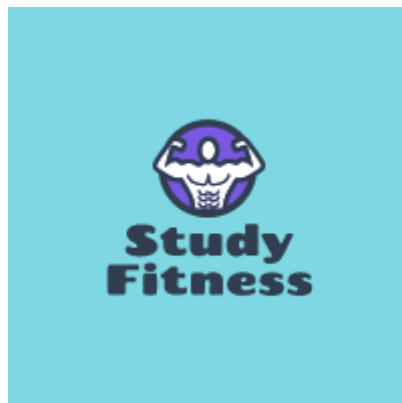
# Test plan

Date: 24.2.2023

Location: Fontys R10

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## Instructions

To use the Windows Form application these steps must be done:

1. Start the application called "Study Fitness(App)".
2. Enter one of the following:
  - Manager login data -> username: Admin password: 1234.
  - Trainer data -> username: Trainer password: 1234.
  - User data -> username: User password: 1234.

To use the Website these steps must be done:

Start the application called "Study Fitness(App)" or use this link:

<https://i500872.luna.fhict.nl>

## Test cases

| ID    | UC   | Name                                      | Pre-condition  | Test data  | Expected result   |
|-------|------|---|--|--|---|
| TC-01 | UC01 | Create a new exercise                     | The Manager has logged in.   | Type Ex: LowerBodyExercise<br>Name: Squats<br>Difficulty: medium<br>Equipment: bar<br>NumReps: 8<br>Weight: 50<br>Specialty: both legs<br>PictureURL: http/... | Confirmation for successfully creating an exercise.   |
| TC-02 | UC01 | Create a new exercise with incorrect data | The Manager has logged in.   | Type Ex: My exercise<br>Name: Squats<br>Difficulty: medium<br>Equipment: bar<br>NumReps: 8<br>Weight: 50<br>Specialty: both legs<br>PictureURL: http/...       | An error message is shown that the exercise was not successfully created due to incorrect data -> There is no such type of exercise called "My exercise". |
| TC-03 | UC01 | Create a exercise that already exists     | The Manager has logged in. An exercise called "Squats" has already been created. | Type Ex: LowerBodyExercise<br>Name: Squats<br>Difficulty: medium<br>Equipment: bar<br>NumReps: 8<br>Weight: 50<br>Specialty: both legs<br>PictureURL: http/... | An error message is shown that the exercise already exists.   |

| ID    | UC   | Name                                  | Pre-condition  | Test data   | Expected result                                  |
|-------|------|---------------------------------------|--|---|--|
| TC-04 | UC02 | Edit the data of an existing exercise | The Manager has logged in. An exercise called "Squats" has already been created. | Ex Name: Squats<br>Difficulty: hard<br>Reps: 5<br>Weight: 100 | Confirmation that the exercise has been changed. |

|       |      |                    |  |                 |  |
|-------|------|--------------------|--|-----------------|--|
| TC-05 | UC03 | Delete an exercise | The Manager has logged in. An exercise called "Squats" has already been created. | Ex Name: Squats | Confirmation that the exercise has been deleted. |
|-------|------|--------------------|--|-----------------|--|

| ID    | UC   | Name                            | Pre-condition  | Test data       | Expected result                               |
|-------|------|---------------------------------|--|-----------------|---|
| TC-06 | UC04 | Search for an existing exercise | The Manager has logged in. An exercise called "Squats" has already been created. | Ex Name: Squats | The admin can see the exercise on the screen. |

| ID    | UC   | Name                                   | Pre-condition                    | Test data  | Expected result   |
|-------|------|--|----------------------------------|--|---|
| TC-07 | UC06 | Calculate BMI using the BMI calculator | The user has opened the BMI page | Choose a gender: male<br>Age:17<br>Height: 170<br>Weight: 80 | The user can see their result on the screen (You are a Male (age: 17) with BMI: 27,68). |

| ID    | UC   | Name   | Pre-condition                    | Test data   | Expected result  |
|-------|------|--|----------------------------------|---|--|
| TC-08 | UC06 | Calculate BMI using the BMI calculator but not filling all the required data | The user has opened the BMI page | Choose a gender: male<br>Age:17<br>Height:<br>Weight: | The user can see a message that points out that there are required details that are missing. |

| ID    | UC   | Name                                     | Pre-condition                     | Test data  | Expected result   |
|-------|------|--|-----------------------------------|--|---|
| TC-09 | UC06 | Calculate TDEE using the TDEE calculator | The user has opened the TDEE page | Choose a gender: male<br>Age:17<br>Height: 170<br>Weight: 80<br>Level of activity: low | The user can see their result on the screen (You are a male (age: 17) with TDEE: 2260). |

| ID    | UC   | Name   | Pre-condition                     | Test data   | Expected result  |
|-------|------|--|-----------------------------------|---|--|
| TC-10 | UC06 | Calculate TDEE using the TDEE calculator but not filling all the required data | The user has opened the TDEE page | Choose a gender: male<br>Age:17<br>Height:<br>Weight:<br>Level of activity: low | The user can see a message that points out that there are required details that are missing. |

| ID    | UC   | Name              | Pre-condition                          | Test data                        | Expected result                       |
|-------|------|-------------------|--|----------------------------------|---------------------------------------|
| TC-11 | UC08 | Login as a member | The user has opened the MyAccount page | Username: user<br>Password: 1234 | The user can see their personal page. |

| ID    | UC   | Name               | Pre-condition                          | Test data                         | Expected result                    |
|-------|------|--------------------|--|-----------------------------------|------------------------------------|
| TC-12 | UC09 | Login as a manager | The user has opened the MyAccount page | Username: admin<br>Password: 1234 | The user can see the manager page. |

| ID    | UC   | Name                  | Pre-condition                         | Test data                                    | Expected result                                  |
|-------|------|-----------------------|---------------------------------------|--|--|
| TC-13 | UC10 | See exercise details. | The user has opened the Exercise page | Select an exercise and press "view details". | The user can see details of the chosen exercise. |

| ID    | UC   | Name                        | Pre-condition                          | Test data                            | Expected result   |
|-------|------|-----------------------------|--|--------------------------------------|---|
| TC-14 | UC08 | Incorrect login for member. | The user has opened the MyAccount page | Username: userrrrr<br>Password: 1234 | The user can see an error message that the login credentials are incorrect. |

| ID    | UC   | Name                         | Pre-condition                          | Test data                            | Expected result  |
|-------|------|------------------------------|--|--------------------------------------|--|
| TC-15 | UC09 | Incorrect login for manager. | The user has opened the MyAccount page | Username: userrrrr<br>Password: 1234 | The manager can see an error message that the login credentials are incorrect. |

| ID    | UC   | Name                | Pre-condition                                      | Test data   | Expected result                                  |
|-------|------|---------------------|--|---|--|
| TC-16 | UC11 | Create a new cardio | The Manager has started the app and has logged in. | Name: Running 2km<br>Difficulty: Beginner<br>Calories: 100<br>PicturURL: http//.. | Confirmation for successfully creating a cardio. |

| ID    | UC   | Name                                   | Pre-condition                                      | Test data  | Expected result  |
|-------|------|--|--|--|--|
| TC-17 | UC11 | Create a new cardio with incorect data | The Manager has started the app and has logged in. | Name: Running 2km<br>Difficulty: Beginner<br>Calories: -100<br>PicturURL: http//.. | An error message is shown that the cardio was not successfully created due to incorrect data -> Calories cannot be negative. |

| ID    | UC   | Name                                    | Pre-condition   | Test data  | Expected result   |
|-------|------|---|---|--|---|
| TC-18 | UC11 | Create a new cardio that already exists | The Manager has started the app and has logged in. An exercise called "Running 2km" has already been created. | Name: Running 2km<br>Difficulty: Beginner<br>Calories: -100<br>PicturURL: http//.. | An error message is shown that the cardio already exists. |

| ID    | UC   | Name                                | Pre-condition   | Test data  | Expected result                                |
|-------|------|-------------------------------------|---|--|--|
| TC-19 | UC12 | Edit the data of an existing cardio | The Manager has started the app and has logged in. An exercise called "Running 2km" has already been created. | Name: Running 4km<br>Difficulty: Intermediate<br>Calories: 150<br>PictureURL: http//.. | Confirmation that the cardio has been changed. |

|       |      |                 |   |                   |  |
|-------|------|-----------------|---|-------------------|--|
| TC-20 | UC13 | Delete a cardio | The Manager has started the app and has logged in. An cardio called "Running 4km" has already been created. | Name: Running 4km | Confirmation that the cardio has been deleted. |
|-------|------|-----------------|---|-------------------|--|

| ID    | UC   | Name                          | Pre-condition   | Test data            | Expected result                             |
|-------|------|-------------------------------|---|----------------------|---|
| TC-21 | UC14 | Search for an existing cardio | The Manager has started the app and has logged in. An exercise called "Running 4km" has already been created. | Ex Name: Running 4km | The admin can see the cardio on the screen. |

| ID    | UC   | Name              | Pre-condition   | Test data   | Expected result                                |
|-------|------|-------------------|---|---|--|
| TC-22 | UC16 | Create a new user | The Manager has started the app and has logged in or Customer wants to create an account. | First Name: Goshu<br>Username: GOGO<br>Password: 1234 | Confirmation for successfully creating a user. |

| ID    | UC   | Name                                  | Pre-condition   | Test data   | Expected result   |
|-------|------|---------------------------------------|---|---|---|
| TC-23 | UC16 | Create a new user that already exists | The Manager has started the app and has logged in or Customer wants to create an account. User with username "GOGO" exists. | Username: GOGO<br>FirstName: Ivo<br>Password: 123 | An error message is shown that the user already exists. |

| ID    | UC   | Name              | Pre-condition   | Test data         | Expected result                          |
|-------|------|-------------------|---|-------------------|--|
| TC-24 | UC17 | Edit data of user | The Manager has started the app and has logged in or Customer wants to create an account. User with username "GOGO" has already been created. | First Name: Ivo 2 | Confirmation that data has been changed. |

| ID    | UC   | Name        | Pre-condition   | Test data | Expected result                              |
|-------|------|-------------|---|-----------|--|
| TC-25 | UC18 | Delete user | The Manager has started the app and has logged in or Customer wants to create an account. User with username "GOGO" has already been created. |           | Confirmation that the user has been deleted. |