# URS

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Location: Fontys R10

Members: Danko Kralski

Tutors: Jessie Chua, Frank de Lepper, Andre Postma
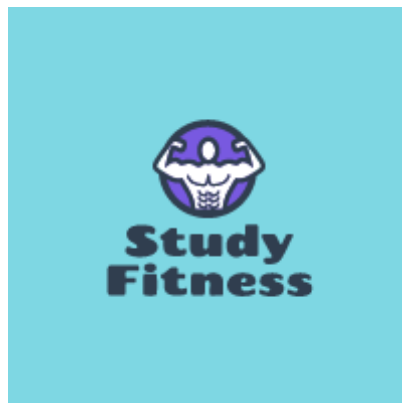
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## Agreements with client

We have agreed to create the project and its requirements:

• The language that we will use for the desktop application is C# with windows form.

• For the web page we will use combination of HTML, CSS, Bootstrap and optionally JS.

 • For the database we are to use MSSQL with the Fontys database.

 • There is an important deadline on 03.03.2023 when we must present the progress.

• The total time that we are given is 18 working weeks.

## Functional requirements

The aim of the project is to create the software application and website so that the clients can prepare and execute their exercises.

**All the functional requirements are listed in the MoSCoW tables below!**

**Functional requirements for Windows Forms App:**

| Features |
|---|
| Manager has an account |
| Manager creates an exercise |
| Manager edits an exercise |
| Manager deletes an exercise |
| Manager can search for exercise |
| Manager can edit trainer's timetables |
| Manager can see trainer's timetables |
| Trainer has access |
| Trainer edits their timetable |
| Customer has access |

| | |
|---|---|
| Must have | |
| Should have | |
| Could have | |
| Won't have | |

## Functional requirements for the Website:

**Note: Customer – no account; Member – customer with an account**

| Features |
|---|
| Manager account |
| Trainer can create an account |
| Member can create an account |
| Website can be used by Customer without an account |
| Customer and Member can search for exercise |
| Customer and Member can read information on the site |
| Customer and Member can use BMI/TDEE |
| Members can rate exercises |
| Member can make comments/reviews |
| Member can edit their comments |
| Member and Customer can see others comments |
| Members can schedule appointments |
| Manager verifis comments |
| Manager manages information on the site |
| Trainer can edit their timetables |
| Trainer can see their clients information |
| Personal page for every type of account |
| BMI/TDEE stores data for members |

| | |
|---|---|
| Must have | |
| Should have | |
| Could have | |
| Won't have | |

# Use cases

**Use case UC01:  Create a new exercise.**

Actor: Manager

Pre-condition: Manager must be logged in and wants to create a new exercise.

Main Success Scenario:

UC01-1. System requests exercise details.

UC01-2. Actor fills in the requested data and submits it.

UC01-3. System shows a confirmation, that the exercise is created.


Extensions:

UC01-2a: Not enough or incorrect data is provided.

UC01-.1: System displays an error message.

UC01-.2: Return to MSS step UC01-1


UC01-2b: Exercise already exists.

UC01-.1: System displays a message.

UC01-.2:  Return to MSS step UC01-1.


**Use case UC02: Edit exercise details.**

Actor: Manager

Pre-condition: Manager must be logged in and has searched for the wanted exercise.

Main Success Scenario:

UC02-1. System displays the exercise related to the searched term.

UC02-2. Actor selects the exercise and edits it.

UC02-3. System shows a confirmation, that the exercise is changed.

Extensions:

UC02-2a: Not enough or incorrect data is provided.

UC02-.1: System displays an error message.

UC02-.2: Return to MSS step UC02-2.

## Use case UC03: Delete an exercise.

Actor: Manager

Pre-condition: Manager must be logged in and has selected a certain exercise.

Main Success Scenario:

UC03-1. System displays all existing exercises based on the searched term.

UC03-2. Actor selects exercise and deletes it.

UC03-3. System shows a confirmation, that the exercise is deleted.

Extensions:

UC03-2a: Exercise does not exist.

UC03-.1: System displays an error message.

UC03-.2: Return to MSS step UC03-2.

## Use case UC04: Search for an exercise.

Actor: Manager

Pre-condition: Manager must be logged in and be on the main form.

Main Success Scenario:

UC04-1. System requests exercise data.

UC04-2. Actor provides the data.

UC04-3. System shows the exercise.

Extensions:

UC04-2a: Not enough or incorrect data is provided.

UC04-.1: System displays an error message.

UC04-.2: Return to MSS step UC04-2.


UC04-2b: The exercise does not exist in the system.

UC04-.1: System displays a message.

UC04-.2: Return to UC04-2.


## Use case UC05: Search for an exercise on the website.

Actor: User (anyone)

Pre-condition: User is on the "Exercise" page.

Main Success Scenario:

UC05-1. Actor wants to see an exercise by inputting the body part that they want to train.

UC05-2. System shows the exercises.


Extensions:

UC05-1a: The input does not exist in the system.

UC05-.1: System displays a message.

UC05-.2: Return to UC05-1.


## Use case UC06: Use BMI/TDEE.

Actor: User (Member/Non-member)

Pre-condition: User is on the "BMI/TDEE" page.

Main Success Scenario:

UC06-1. System displays placeholders.

UC06-2. Actor inputs their data and submits it.

UC06-3. System calculates and shows the result.

Extensions:

UC06-2a: Incorrect data or not enough data provided.

UC06-.1: System displays a message.

UC06-.2: Return to UC06-2.

**Use case UC07: Leave a comment/review on exercise.**

Actor: User (Member)

Pre-condition: User is logged in as a member and has selected an exercise.

Main Success Scenario:

UC07-1. System displays a textbox.

UC07-2. Actor inputs their data and submits it.

UC07-3. System confirms and sends the data to the Manager.

UC07-4. Manager verifies the comment/review.

UC07-5. System publishes the review.

Extensions:

UC07-4a: Inappropriate comment.

UC07-.1: Manager denies comment.

UC07-.2: System does not publish and deletes it.

UC07-.3: End case.

**Use case UC08: Login as a member.**

Actor: User (Member)

Pre-condition: User is on the "MyAccount" page.

Main Success Scenario:

UC08-1. System displays the Login form.

UC08-2. Actor inputs their data and submits it.

UC08-3. System redirects to their personal page.


Extensions:

UC08-2a: Incorrect data or not enough data provided.

UC08-.1: System displays a message.

UC08-.2: Return to UC08-2.


**Use case UC09: Login as a manager.**

Actor: User (Manager)

Pre-condition: User is on the "MyAccount" page.

Main Success Scenario:

UC09-1. System displays the Login form.

UC09-2. Actor inputs their data and submits it.

UC09-3. System redirects to their personal page.


Extensions:

UC09-2a: Incorrect data or not enough data provided.

UC09-.1: System displays a message.

UC09-.2: Return to UC09-2.

**Use case UC10: See exercise details.**

Actor: User (anyone)

Pre-condition: User is on the "Exercise" page.

Main Success Scenario:

UC10-1. System displays the exercises.

UC10-2. Actor selects an exercise to preview.

UC10-3. System redirects to the exercise details page.


**Use case UC11:  Create a new cardio.**

Actor: Manager

Pre-condition: Manager must be logged in and wants to create a new cardio.

Main Success Scenario:

UC011-1. System requests cardio details.

UC011-2. Actor fills in the requested data and submits it.

UC011-3. System shows a confirmation, that the cardio is created.


Extensions:

UC11-2a: Not enough or incorrect data is provided.

UC11-.1: System displays an error message.

UC11-.2: Return to MSS step UC11-1


UC11-2b: Cardio already exists.

UC11-.1: System displays a message.

UC11-.2:  Return to MSS step UC11-1.

**Use case UC12: Edit cardio details.**

Actor: Manager

Pre-condition: Manager must be logged in and has searched for the wanted cardio.

Main Success Scenario:

UC12-1. System displays the cardio related to the searched term.

UC12-2. Actor selects the cardio and edits it.

UC12-3. System shows a confirmation, that the cardio is changed.

Extensions:

UC12-2a: Not enough or incorrect data is provided.

UC12-.1: System displays an error message.

UC12-.2: Return to MSS step UC12-2.

**Use case UC13: Delete a cardio.**

Actor: Manager

Pre-condition: Manager must be logged in and has selected a certain cardio.

Main Success Scenario:

UC13-1. System displays all existing cardio based on the searched term.

UC13-2. Actor selects cardio and deletes it.

UC13-3. System shows a confirmation, that the cardio is deleted.

Extensions:

UC13-2a: Cardio does not exist.

UC13-.1: System displays an error message.

UC13-.2: Return to MSS step UC13-2.

**Use case UC14: Search for a cardio.**

Actor: Manager

Pre-condition: Manager must be logged in and be on the main cardio form.

Main Success Scenario:

UC14-1. System requests cardio data.

UC14-2. Actor provides the data.

UC14-3. System shows the cardio.


Extensions:

UC14-2a: Not enough or incorrect data is provided.

UC14-.1: System displays an error message.

UC14-.2: Return to MSS step UC14-2.


UC14-2b: The cardio does not exist in the system.

UC14-.1: System displays a message.

UC14-.2: Return to UC14-2.


**Use case UC15: See cardio details.**

Actor: User (anyone)

Pre-condition: User is on the "Cardio" page.

Main Success Scenario:

UC15-1. System displays the cardio.

UC15-2. Actor selects a cardio to preview.

UC15-3. System redirects to the cardio details page.

**Use case UC16:  Create a new user.**

Actor: Manager or Customer

Pre-condition: Manager must be logged in and wants to create a new user or Customer wants to create account.

Main Success Scenario:

UC016-1. System requests user details.

UC016-2. Actor fills in the requested data and submits it.

UC016-3. System shows a confirmation, that the user is created.


Extensions:

UC16-2a: Not enough or incorrect data is provided.

UC16-.1: System displays an error message.

UC16-.2: Return to MSS step UC16-1


UC16-2b: User already exists.

UC16-.1: System displays a message.

UC16-.2:  Return to MSS step UC16-1.


**Use case UC17: Edit user details.**

Actor: Manager

Pre-condition: Manager must be logged in and has searched for the wanted user or Customer is in his account and wants to change their data.

Main Success Scenario:

UC17-1. System displays the user data.

UC17-2. Actor enters the new data.

UC17-3. System shows a confirmation, that the user is changed.

Extensions:

UC17-2a: Not enough or incorrect data is provided.

UC17-.1: System displays an error message.

UC17-.2: Return to MSS step UC17-2.

**Use case UC18: Delete user.**

Actor: Manager

Pre-condition: Manager must be logged in and has selected a certain user or Customer wants to delete their account.

Main Success Scenario:

UC18-1. System displays user.

UC18-2. Actor deletes it.

UC18-3. System shows a confirmation, that the user is deleted.

Extensions:

UC18-2a: User does not exist (for Manager scenario).

UC18-.1: System displays an error message.

UC18-.2: Return to MSS step UC18-2.

# GUI (Windows Forms App)

Frame 1
Log in
email
password
Submit

Frame 2
Add Exercise | Manage Exercises | Trainers data
Search exercise
All exercises

Frame 6
Exercise created

Frame 3
Add Exercise | Manage Exercises | Trainers data
data | data
data | data
data | data
Create

Frame 4
Add Exercise | Manage Exercises | Trainers data
Searched Exercise
Exercise data
New data | New data
Submit | Delete

Frame 5
Add Exercise | Manage Exercises | Trainers data
Search Trainer
Trainer data | Edit/Add Trainer
Trainer schedule (optionelly)

Frame 9
New Trainer
data | data
data | data
Submit

Frame 7
Exercise changed

Frame 8
Exercise deleted

Frame 10
Trainer created/edited

# Website wireframe

Frame 1
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
Training styles.
picture + description | picture + description | picture + description
Footer

Frame 2
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
search bar (Example: "Chest exercise")
Chest Exercise #1 (picture + description) | Chest Exercise #2 (picture + description) | Chest Exercise #3 (picture + description)
Footer

Frame 3
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
Search bar (Example: "Food for building muscle")
MEAT | VEGGIES | OTHERS
description of best food/exercise sources and why them | description of best food sources and why them | description of best food sources and why them
Footer

Frame 5
RESULTS
You are in this overweight scale! Healthy kg for that data is around 60kg!
Back

Frame 4
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
BMI/TDEE calculator
180cm | 18 years
70kg | male
Calculate data
Footer

Frame 6
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
Trainers
Trainer #1 picture + short description | Trainer #2 picture + short description
Shedule a meeting | Shedule a meeting
Footer

Frame 8
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
picture
Information about "Study Fitness"
Footer

Frame 7
Select date/hour
Free hours/days | Customer Name
Customer Email
Book appointment | Cancel

Frame 9
Home | Exercise | FoodTips | BMI/TDEE | Trainers | About | Login
Log In/Create account
email | View Admin
password | View Trainer
Log in | Create account
Footer

Frame 10
all the pages
Welcome!
Account data

Frame 11
all the pages
Welcome Back!
Account data + booking info

Frame 12
Hi Trainer!
Trainer schedule
Trainer account information

Frame 13
Hello Admin!
Comments to verify
Delete | Approve