

URS

Date: 19.2.2023

Location: Fontys R10

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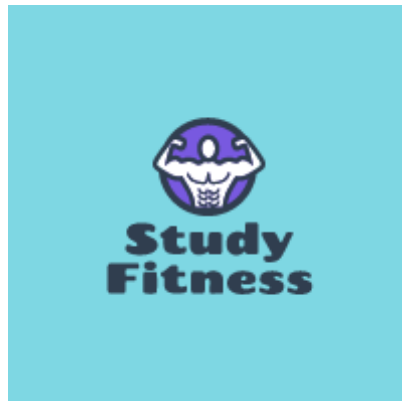


Table of content

1. Agreements with client
2. Functional requirements
3. Use cases
4. GUI
5. Website wireframe

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 project will provide a better way to introduce to the world the importance of having a healthy lifestyle and training regime while eliminating the possibility of making mistakes that can result in injuries.

The project consists of two main parts – Windows Forms App and a website.

Functionality for Windows Forms App:

Features						
Admin has an account				Must have		
Admin creates an exercise				Should have		
Admin edits an exercise				Could have		
Admin deletes an exercise				Won't have		
Admin can search for exercise						
Admin can edit trainer's timetables						
Admin can see trainer's timetables						
Trainer has an account						
Trainer edits their timetable						
Customer has an account						
All information stored in database						

Functionality for the Website:

Features						
Admin has an account						
Trainer has an account				Must have		
Member has an account				Should have		
Website can be used without an account				Could have		
User can search for exercise				Won't have		
User can read information on the site						
User can use BMI/TDEE						
Members can rate exercises						
Members can make comments/reviews						
Members can edit their comments						
Members can see others comments						
Members can schedule appointments						
Admin verifis comments						
Admin manages information on the site						
Trainers can edit their timetables						
Trainers can see their clients information						
Personal page for every type of account						
BMI/TDEE stores data for members						

Use cases

Windows Forms:

Use case UC01: Create a new exercise.

Actor: Admin

Pre-condition: Admin must be logged in.

Main Success Scenario:

UC01-1. Actor wants to create a new exercise.

UC01-2. System requests exercise details.

UC01-3. Actor fills in the requested data and submits it.

UC01-4. System shows a confirmation, that the exercise is created.

Extensions:

UC01-3a: Not enough or incorrect data is provided.

UC01-.1: System displays an error message.

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

UC01-3b: Exercise already exists.

UC01-.1: System displays a message.

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

Use case UC02: Edit exercise details.

Actor: Admin

Pre-condition: Admin must be logged in.

Main Success Scenario:

UC02-1. Actor wants to change an exercise and searches for it.

UC02-2. System displays all existing exercises based on the searched term.

UC02-3. Actor selects exercise and edits it.

UC02-4. System shows a confirmation, that the exercise is changed.

Extensions:

UC02-3a: Not enough or incorrect data is provided.

UC02-.1: System displays an error message.

UC02-.2: Return to MSS step UC02-3.

Use case UC03: Delete an exercise.

Actor: Admin

Pre-condition: Admin must be logged in.

Main Success Scenario:

UC03-1. Actor wants to delete an exercise and searches for it.

UC03-2. System displays all existing exercises based on the searched term.

UC03-3. Actor selects exercise and deletes it.

UC03-4. System shows a confirmation, that the exercise is deleted.

Use case UC04: Search for an exercise.

Actor: Admin

Pre-condition: Admin must be logged in.

Main Success Scenario:

UC04-1. Actor wants to see a certain exercise.

UC04-2. System requests exercise data.

UC04-3. Actor provides the data.

UC04-4. System shows the exercise.

Extensions:

UC04-3a: Not enough or incorrect data is provided.

UC04-.1: System displays an error message.

UC04-.2: Return to MSS step UC04-3.

UC04-3b: The exercise does not exist in the system.

UC04-.1: System displays a message.

UC04-.2: Return to UC04-3.

Website:

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

Actor: User (Admin/Member/Non-member)

Main Success Scenario:

UC05-1. Actor wants to see a certain exercise.

UC05-2. System requests exercise name.

UC05-3. Actor inputs the name.

UC05-4. System shows the exercise.

Extensions:

UC05-3a: The exercise does not exist in the system.

UC05-.1: System displays a message.

UC05-.2: Return to UC05-3.

Use case UC06: Use BMI/TDEE.

Actor: User (Member/Non-member)

Main Success Scenario:

UC06-1. Actor goes to the BMI/TDEE page.

UC06-2. System displays placeholders.

UC06-3. Actor inputs their data and submits it.

UC06-4. System calculates and shows the result.

Extensions:

UC06-3a: Incorrect data or not enough data provided.

UC06-.1: System displays a message.

UC06-.2: Return to UC06-3.

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

Actor: User (Member)

Main Success Scenario:

UC07-1. Actor selects an exercise and wants to comment on it.

UC07-2. System displays a textbox.

UC07-3. Actor inputs their data and submits it.

UC07-4. System confirms and sends the data to the Admin.

UC07-5. Admin verifies the comment/review.

UC07-6. System publishes the review.

Extensions:

UC07-5a: Inappropriate comment.

UC07-.1: Admin denies comment.

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

UC07-.3: End case.

GUI (Windows Forms App)

Figma link:

<https://www.figma.com/file/D2uBkrFGUcTZUXM6W6iUox/Untitled?node-id=0%3A1&t=cT2vjIT4sBnh8uT-1>

Website wireframe

Figma link:

<https://www.figma.com/file/ncd8yPAnd5ALIWo50m5wLQ/Untitled?node-id=0%3A1&t=gF9yXMFAiz8wtZsi-1>