

URS

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Location: Fontys R10

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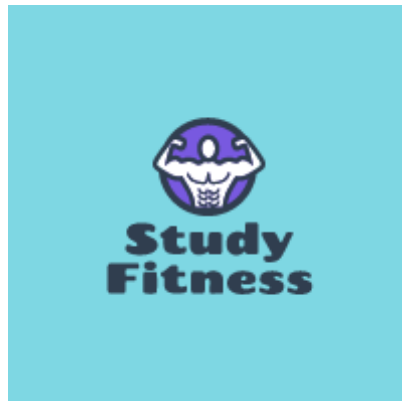


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Agreements with client

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 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.

All the functional requirements are listed in the MoSCoW tables (next page)!!!

Functional requirements for Windows Forms App:

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

Functional requirements for the Website:

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

Features					
Administration account				Must have	
Trainer can create an account				Should have	
Member can create an account				Could have	
Website can be used by Customer without an account				Won't have	
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					
Administration verifies comments					
Administration 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					

Use cases

Windows Forms:

Use case UC01: Create a new exercise.

Actor: Administration

Pre-condition: Administration 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: Administration

Pre-condition: Admin 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: Administration

Pre-condition: Administration 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: Administration

Pre-condition: Administration 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.

Website:

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 Admin.

UC07-4. Admin verifies the comment/review.

UC07-5. System publishes the review.

Extensions:

UC07-4a: Inappropriate comment.

UC07-.1: Admin denies comment.

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

UC07-3: End case.

GUI (Windows Forms App)



Website wireframe



