

Assignment 1: Project Analysis

Group 22: Lowie Vandezande

Project description:

Title: FitMe

Description: With the FitMe app users are able to keep track of their workouts. Admin users are able to create, delete, update exercises. These exercises can be used so that users can create their own custom workout. The workouts will be saved in a overview so that the users can keep track of these.: Users are also able to create a post of their workout. This way they can share their workout with other users so that they can use this as their inspiration. For this users have to register a account which will link to profile. On the profile page users can find all of their info including a dynamically calculated BMI.

User stories:

Title: Workout overview

As a user

I have an overview page of my workouts

So that I can see which workouts I did and their info.

Wireframe:

| Workouts: | | | | | |
|--------------|------------|----------|---------------------|-----------------|-----------|
| Name: | Intensity: | Type: | Duration (minutes): | Burned calories | Date |
| Chill cardio | Low | Cardio | 50 | 50 | 5/10/2024 |
| Backkiller | High | Strength | 90 | 120 | 12/9/2024 |

Acceptance criteria:

- The workouts need to be sorted based on date, most recent first.
- If no workouts done, the message "No workouts done yet, get to work". Is shown

Title: Add workout

As a user,

I want to be able to create workouts

So that these appear in my overview

And I can use these to create a post

Wireframe:

The wireframe illustrates a user interface for adding a workout. It is divided into two main sections, both titled "Workouts:". The top section displays a table of existing workouts. The bottom section is a form for creating a new workout, with a blue arrow indicating the flow from the table to the form.

| Name: | Intensity: | Type: | Duration (minutes): | Burned calories | Date |
|--------------|------------|----------|---------------------|-----------------|-----------|
| Chill cardio | Low | Cardio | 50 | 50 | 5/10/2024 |
| Backkiller | High | Strength | 90 | 120 | 12/9/2024 |

Workouts:

Name:

Intensity:

Type:

Duration (minutes):

Burned calories:

Date:

Exercises:

Acceptance criteria:

- In string fields only strings are allowed else a appropriate message is shown
- In number fields only numbers are allowed else a appropriate message is shown
- Blank fields are not allowed
- Fields cant have a extreme long length

Title: Create exercise

As a admin,
I am able to create exercises
So that users can use these in their workouts

Wireframe:

Exercises

Name:

Description:

Reps:

Muscle_group:

Acceptance criteria:

Title: Delete exercise

As a admin,
I am able to delete exercises
So that users are not able to use them in their workouts anymore

Wireframe:

Exercises:

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| Name: | Description | Reps | Muscle group | Sets | |
|-----------------|--|------|--------------|------|--------|
| Benchpress | The bench press is a strength training exercise that primarily targets the chest, shoulders, and triceps. Performed by lying flat on a bench and pressing a barbell or dumbbells upwards from chest level. | 12 | Chest | 3 | Delete |
| Tricep pushdown | The tricep pushdown is an isolation exercise targeting the triceps, performed by pushing a cable or resistance band downward from a high position while keeping elbows close to the body. | 8 | Lats | 3 | Delete |

Acceptance criteria:

-When clicking the delete button a popup should appear to reassure that the admin wants to delete set exercise

-If clicked no the exercise still exists, if clicked yes the exercise is removed from the overview

Title: Delete workout

As a user,
I am able to delete my workout,
So that they don't appear in my overview anymore

Wireframe:

Workouts:

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| Name: | Intensity: | Type: | Duration (minutes): | Burned calories | Date | |
|--------------|------------|----------|---------------------|-----------------|-----------|--------|
| Chill cardio | Low | Cardio | 50 | 50 | 5/10/2024 | Delete |
| Backkiller | High | Strength | 90 | 120 | 12/9/2024 | Delete |

Acceptance criteria:

- When clicking the delete button a popup should appear to reassure that the user wants to delete set workout
- If clicked no, the workout still exists, if clicked yes the workout is removed from the overview

Title: Register

As a user
I can register myself
So that I create a account
AND can login with my credentials

Wireframe:

Register:

| | |
|-----------|--------------------------|
| Username | <input type="text"/> |
| Firstname | <input type="text"/> |
| Lastname | <input type="text"/> |
| Age | <input type="text"/> |
| Gender | <input type="text"/> |
| Height | <input type="text"/> |
| Weight | <input type="text"/> |
| Password | <input type="password"/> |

Register

Acceptance criteria:

- Appropriate validation on all fields (length, symbols, notblank etc)

Title: Log in

As a registered user,

I am able to login using my credentials

So that I can view my workouts and get access to my profile

Wireframe:

Login

Username:

Password:

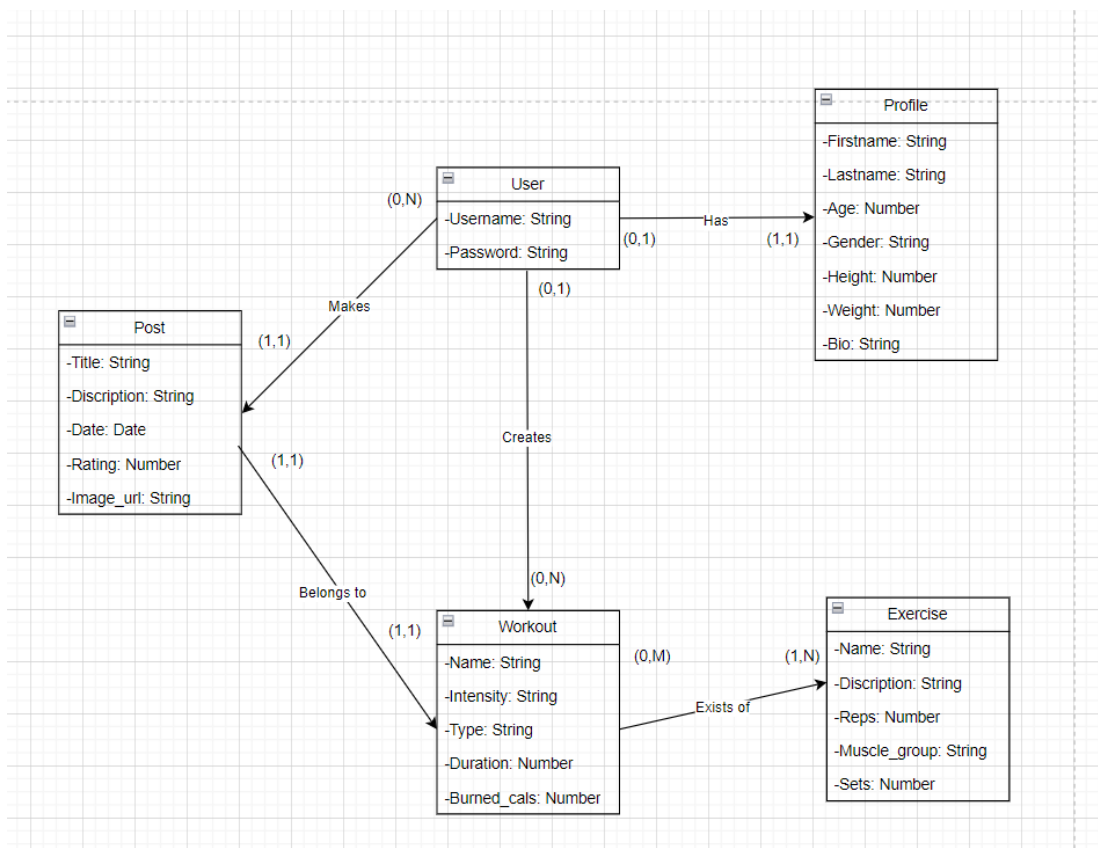
Login

Acceptance criteria:

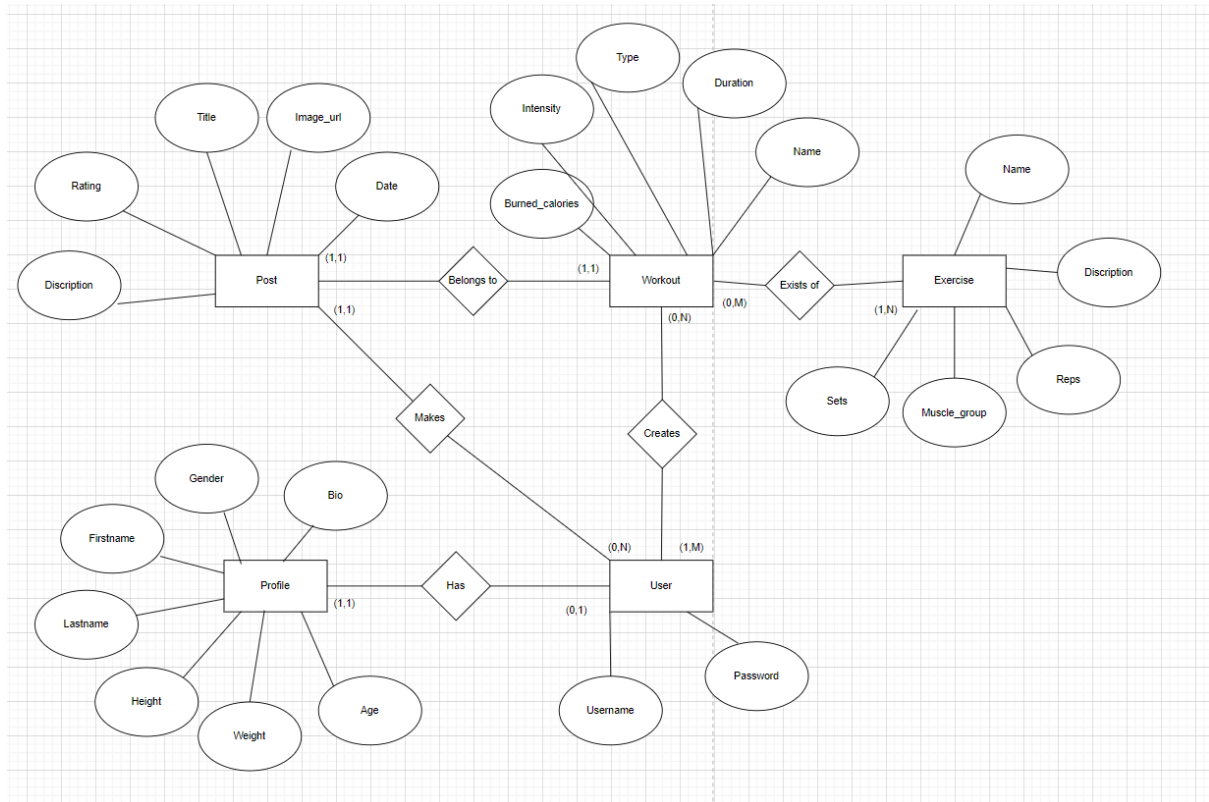
-When entered the wrong username the message “Incorrect username” is shown

-When entered the wrong password the message "Incorrect password" is shown

Domain Model:



Conceptual model:



Logical model:

