

Assignment 1

Vision and Use Case Document

Team 25

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HÁSKÓLI ÍSLANDS

Vision statement

- **For** exercise enthusiasts of all skill levels
- **who** need exercise ideas and to make and save custom workout programs
- **the** workout building system
- **is** an interface
- **that** provides an overview of exercises.
 - The system will store as many different types of exercises as possible, and a description of those exercises. Descriptions include information on which parts of the body the exercise will focus and the intensity of the exercise.
 - The system will allow users to make their own workout programs on the fly and to choose from saved programs. This will allow users to customize their workouts, try different exercises, and have a clear overview of the days workout.
- **Unlike** using a static workout program
- **our product** will allow dynamic workouts, tailored to the desirable intensity and length for that day.

1.2 Business opportunity:

The process of going to the gym starts with determining the exercises that will be accomplished, both for each individual time and over a certain time period. Using only a static pre-determined workout program runs the risk of locking the gym-goer into an exercise regimen that doesn't suit them, or that loses its luster over time. Minimizing the effort required to choose exercises for a workout, and allowing flexibility from one workout to the next, reduces required preparation and indirect effort. This allows the workout process to be more efficient.

2.2 Scope of initial release

At initial release the system will have the following features:

- A browsable collection of exercises complete with the necessary information to perform that exercise.
- User profile creation system.
- Custom workout creation.
- Workouts can be saved to (and deleted from) a user's profile.

Use case

1. Name: Browsing exercises.

4. Primary actor: User.

6. Precondition

- The system needs to be online.
- Exercises need to have a valid description.

7. Success guarantee

- Overview of exercises is correctly presented.
- Exercise descriptions are accurate and assigned to the right exercise.

8. Main success scenario

1. User browses the available exercises on display, utilizing the user interface to navigate different subcategories of exercises.

9. Alternate scenarios

- (a) User utilizes search functionality to find the exercises most pertinent to his search terms.

13. Open issues

- What are the best ways to categorize different exercises that is intuitive to the user?

Use case

1. Name: Creating a user profile.

4. Primary actor: User.

6. Precondition

- System is online.

7. Success guarantee

- User's input is correctly formatted.
- User's information is correctly stored.
- System's user list is updated.

8. Main success scenario

1. System presents profile creation form.
2. User enters the required information into the profile creation form.
3. User submits profile application.
4. System creates the user profile and adds the user to the user database.
5. System presents confirmation of successful profile creation to user.

9. Alternate scenarios

- (a) System is unable to create account
1. System discards submitted information.
 1. System requests user to re-enter information and try to submit again.

13. Open issues

- Security concerns regarding saving input from a random user.
- Implement account authentication?

Use case

1. Name: Create and save a workout program

4. Primary actor: User.

6. Precondition:

- System is online.
- User is logged in.

7. Success guarantee:

- Workout is saved to user's profile.
- Workout is stored in database.
- User can view the workout.

8. Main success scenario

1. User selects a certain number of exercises in the desired order.
2. System displays the selected exercises in the correct order.
3. User requests the system save the workout to his profile.
4. System stores the workout and connects it to the user.
5. System displays the workout on the user's profile.

9. Alternate scenarios

- (3) User does not save workout.
1. User navigates away from workout or refreshes the page.
 2. System discards the unsaved workout.

13. Open issues

- How to store workouts.

Brief use cases

Exercise creation:

The user can't find an exercise he would like to view. User navigates to the exercise creation section. User inputs the required description for the exercise. The system checks if the user input is valid. The system creates and stores the exercise and displays it to everyone.

Alternate scenario: Invalid input.

The system discards the user input and displays a message that the description was not valid and asks him to try again.

Workout editing:

The user wants to edit a workout that he has created. User navigates his profile and selects the workout in question. User changes the workout by removing and/or adding exercises or changing their order. User requests that the changes be saved. System saves the changes and updates the workout in the database.

Workout deletion:

The user wants to delete a workout that he has created. User navigates his profile and selects the workout in quest. User requests the workout be deleted. System removes the workout from view and deletes it from the database.