Workout Helper App

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CECS 491A

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Use Case 1	Register Account
Actors	User
Pre-Conditions	No User is logged in New User's Information is present Must Have Network Connection
Flow on Control	- Clicks Register Button - Display input fields for user - Fill out field - Click submit - Validate input field - Updates database showing new user information
Post-Conditions	The system now displays the new user information and grants them user privilege. Also saves data.
Error-Condition	Input field is not validated - Empty username or email, password - Character count exceeds max count (60)
Non-Functional Requirements	Data should be processed and updated within 5 seconds.

Use Case 2	Disable Account

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Actors	User
Pre-Conditions	User must be logged in Must be on the management page Must Have Network Connection
Flow on Control	- Mark the disable action - System prompts for confirmation - User clicks confirm button - System shows user is disabled
Post-Conditions	Account is disabled
Error-Condition	Network connection is lost during the process.

Use Case 3	Update User Information
Actors	User

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Pre-Conditions	User must be logged in Must be on the management page Must Have Network Connection
Flow on Control	- User clicks on update button - System displays input fields - User modifies information - User clicks submit button - System validates modifications - System updates the database
Post-Conditions	User information in database is changed and updated
Error-Condition	Input field is not Validated - Empty field - Character count exceeds max count (60) for all fields
Non-Functional Requirements	Data should be processed and updated within 5 seconds.

Use Case 4	Create Workout Plan
Actors	User
Pre-Conditions	Must be logged in.
Flow on Control	User clicks Create Workout Plan button

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	○ System transfers user to create workout plan input page
Post-Conditions	User information in the database is changed and updated.
Error-Condition	● There are already 20 defined Workout Plans. ● The Workout Plan name cannot exceed 60 characters.
Non-Functional Requirements	System should process the instruction and update the database within 5 seconds.

Use Case 5	Remove Workout Plan
Actors	User
Pre-Conditions	Must be logged in. Must have at least 1 Workout Plan. Must have network connection.

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Flow on Control	- User selects the Workout Plan to be removed - User clicks submit button - System prompts for confirmation - User clicks confirm - System shows that Plan is removed.
Post-Conditions	System removes the Workout Plan from the database.
Error-Condition	There are no Workouts in the database.
Non-Functional Requirements	System should process the instruction and update the database within 5 seconds.

Use Case 6	Update Workout Plan
Actors	User
Pre-Conditions	Must have network connection. Must have at least 1 Workout Plan.
Flow on Control	- User clicks update Workout button - System transfers user to input page - User modifies Workout name and clicks submit

	○ System shows the updated data
	● User modifies Exercise and clicks submit
	  ○ System shows the updated data
	● User modifies Exercise date and clicks submit
	  ○ System shows the updated data

Post-Conditions	System saves and updates database
Error-Condition	Workout name exceeds 60 characters.
Non-Functional Requirements	System should process the instruction and update the database within 5 seconds.

Use Case 7	Export User's Workout Plan
Actors	User
Pre-Conditions	User is logged in. User has at least 1 Workout Plan

Flow on Control	● User clicks export User's Workout Plan
	  ○ User selects the Workout plan to export
	  ○ User selects submit

Post-Conditions	Program saves a file to the mobile device.

Error-Condition	No file is saved to the mobile device.
Non-Functional Requirements	Data should be processed and saved in 5 seconds.

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Use Case 8	Import User's Workout Plan
Actors	User
Pre-Conditions	Must be logged in.
Flow on Control	- User selects Import option - System prompts user to select file - User selects file to import - System asks user to confirm - User confirms selection
Post-Conditions	- Updates User's database - Adds imported Workout Plan to User's Workout Plan

Error-Condition	● Invalid or corrupted file. ● User's Workout Plan is full.
Non-Functional Requirements	● Data is processed and save within 5 seconds

Use Case 9	Share Workout Plan
Actors	User
Pre-Conditions	User is logged in User must have at least 1 Workout Plan

Flow on Control	● User clicks Share Workout Plan
	● User selects Workout Plan
	    ○ System asks User for the user ID to send to.
	● User inputs another User's ID
	    ○ System confirms User ID
	● User selects submit.

Post-Conditions	● Another use receives an option to accept or reject the Workout Plan

Error-Condition	● System cannot find the user ID in database
Non-Functional Requirements	● Data is processed and save within 5 seconds

Use Case 10	Accept Workout Plan
Actors	User
Pre-Conditions	Users must be logged in. Another User must have sent a share Workout Plan.
Flow on Control	● User selects the prompt to accept Workout Plan ○ System shows the Workout Plan accepted and asks User to confirm ● User selects the confirm button.
Post-Conditions	Program saves and updates database with new Workout Plan
Error-Condition	Workout Plan is full.
Non-Functional Requirements	Data should be processed and updated within 5 seconds.

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Use Case 11	Mark as Complete
Actors	User
Pre-Conditions	User must be logged in. User must be in Workout menu.
Flow on Control	● User selects the box
Post-Conditions	The specific exercise box is filled.
Error-Condition	None
Non-Functional Requirements	System should process the instruction and update the database within 5 seconds.

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Use Case 12	Stopwatch
Actors	User
Pre-Conditions	Must be logged in
Flow on Control	- User selects the stopwatch option. - User selects start stopwatch. - User selects stop stopwatch.
Post-Conditions	System saves and updates database with the time.
Error-Condition	None
Non-Functional Requirements	System should process the instruction and update database within 5 seconds.

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Use Case 13	Add Exercise
Actors	User
Pre-Conditions	Must be logged in. Must have created at least 1 Workout Plan.
Flow on Control	- User selects Add exercise in Workout Plan - System shows list of all exercise - User selects the exercise. - User selects next. - System shows new menu asking how many. - User selects a numeric choice from a dropdown menu. - User clicks next. - System shows that the exercise is added
Post-Conditions	System updates the database and confirms the exercise is added.
Error-Condition	None
Non-Functional Requirements	System should process the instruction and update the database within 5 seconds.

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Use Case 14	Remove Exercise
Actors	User
Pre-Conditions	Must be logged in. Must have at least 1 Workout Plan. Must have at least 1 exercise added.

Flow on Control	● User selects Remove Exercise
	    ○ System shows exercise user has added
	● User selects exercise.
	● User selects next.
	    ○ System removes exercise from the Workout Plan.

Post-Conditions	User information is updated to database. The exercise selected is removed.
Error-Condition	None
Non-Functional Requirements	Information is updated and saved within 5 seconds of confirming.

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Use Case 15	Update Exercise
Actors	User
Pre-Conditions	User must be logged in. User must have at least 1 Workout Plan. User must have at least 1 Exercise.
Flow on Control	● User selects Update Exercise 　○ System displays all information about exercise. ● User selects Amount 　○ System asks how many. ● User selects a numerical value from a dropdown menu. ● User selects next. 　○ Information is saved and database is updated.
Post-Conditions	User's database is updated.
Error-Condition	None
Non-Functional Requirements	Status is updated and saved within 5 seconds.

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Use Case 16	Export Progression
Actors	User
Pre-Conditions	Logged in as a user.
Flow on Control	- User clicks on export. - Show alert "Saved"
Post-Conditions	Progression is saved into local storage.
Error-Condition	Local storage is full.
Non-Functional Requirements	System should process the instruction within 5 seconds.