Levin GmbH

Your E-Care
Use-Case Specification

Version 1.0

Revision History

Date	Version	Description	Author
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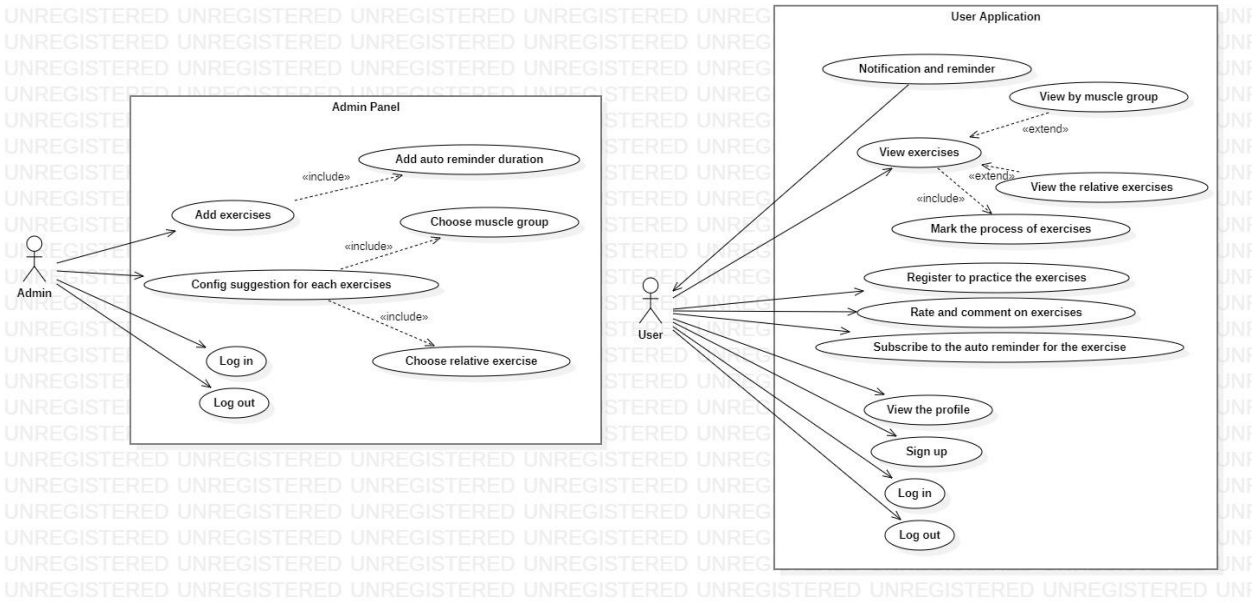
1. Use-case Model



2. Use-case Specifications

2.1 Admin

2.1.1 Use-case: Log in

Use case Name	Login
Brief description	This use case describes how admin enter to the app
Actors	Admin
Basic Flow	1. Open the app. 2. System shows log in page. 3. Admin inputs the account name, password. 4. Admin clicks the right arrow button on the screen. 5. System checks whether the account is valid or not. 6. System displays a home page.
Alternative Flows	**Alternative flow 1: Optional login methods** 1. From step #4 of the basic flow, admin can press “Enter” on the keyboard. **Alternative flow 2: Login fails** 1. From #5 of the basic flow, the system checks if the account is invalid, then the system starts counting, up to 5 times. After that, if the login action fails, the system will display “Try again in 30 seconds”. 2. Continuously increasing the banned time period if login failed again. 3. Return step #2 of the basic flow. **Alternative flow 3: User forgets the password** 1. From #2 of the basic flow, user clicks the “Forgot password” button to reset the password

	2. The system processes to reset the password 3. Continue step #2 in the basic flow
Pre-conditions	The admin goes to the welcome page of the app.
Post-conditions	The admin successfully logged in to the app.

2.1.2 Use-case: Log out

Use case Name	Log out.
Brief description	This use case describes how the admin can log out.
Actors	Admin
Basic Flow	1. At the homepage, the admin clicks the “Account” button. 2. The system displays a selection window. 3. The admin clicks the “Logout” button. 4. The system moves the current session and loads the welcome page.
Alternative Flows	None
Pre-conditions	Admin is logged in and on the homepage.
Post-conditions	The admin successfully logged out to the app.

2.1.3 Use-case: Add exercises

Use case Name	Add exercises.
Brief description	This use case describes how admin can add exercise(s).
Actors	Admin
Basic Flow	1. At the homepage, the admin clicks the “Add” button. 2. The system displays file explorers window or cloud drives for the admin to choose exercise video(s). 3. The admin chooses the exercise file(s). 4. The system checks whether the file(s) is valid or not. 5. If it is valid, the admin can click “Enter” after choosing. 6. The system will also create schedules and auto reminders based on its timeline for the user. 7. The system displays “Success” on the screen if passed.
Alternative Flows	**Alternative flow 1: Admin cannot add the exercise(s)** 1. From step #3 of the basic flow, admin and/or system check whether the file(s) is valid or not. 2. If not, the system will show “Invalid file(s)” in order to give notice. 3. The admin can recontinue step #3 in the basic flow.
Pre-conditions	User went to the homepage.
Post-conditions	The admin successfully added new exercise(s) to the app.

2.1.4 Use-case: Exercise suggestion

Use case Name	Exercise suggestion.
Brief description	This use case describes how the admin can configure suggestions for each

	exercise.
Actors	Admin
Basic Flow	1. Categories chosen by the user are stored and sent to the admin. 2. The admin gives relative exercises based on the user's choice.
Alternative Flows	None
Pre-conditions	The admin is logged in and in the homepage.
Post-conditions	The admin successfully configured the suggestion.

2.2 User

2.2.1 Use-case: Sign up

Use case Name	Sign up
Brief description	This use case describes how the user can sign up to create a new account to enter the application
Actors	User
Basic Flow	This use case starts when a system user is not logged in to the system and goes to the login page. 1. The System prompts the user for a username and password or to register a new account. 2. The user selects the registration option. 3. The System prompts users for registration information: Name, username, password, password confirmation. 4. The user enters their information. 5. System verifies information and creates an account.
Alternative Flows	**Alternative flow 1: Cancel registration** 1. The user selects the back button. 2. The system returns the user to the login page without the user being logged in and any information entered has been erased. **Alternative flow 2: Invalid information entered** 1. User clicks submit after entering information application asked for 2. System displays information with appropriate messages to correct invalid information. 3. User re-enters information
Pre-conditions	The user opens the application
Post-conditions	**Post-condition: If successful** The user entered successful information and is returned to the home page as a Logged In User **Post-condition: If unsuccessful** User is unable to log in for one or more reasons and is returned to the login page

2.2.2 Use-case: Log in

Use case Name	Log in
Brief description	This use case describes how the user can log in into the application
Actors	User

Basic Flow	This use case starts when a system user is not logged in to the system and goes to the login page. 1. The System prompts the user for a username and password or register new account, also a forget password option 2. The user enters his/her username and password. 3. The system validates the entered username and password, making sure that the entered username is a valid username in the System, and that the required password is entered for the entered username. 4. The user is signed in and returned to the home page as a Logged In User.
Alternative Flows	**Alternative flow 1: User fails authentication** If the User entered an invalid username and/or password, the following occurs: 1. The system describes the reasons why the User failed authentication. 2. The system presents the User with suggestions for changes necessary to allow the User to pass authentication. 3. The system prompts the User to re-enter the valid information. 4. Continues where the User enters new information (#2 of the Basic Flow). **Alternative flow 2: User does not have a account** If the User does not have an account, the following occurs: 1. From #1 of the basic flow, user clicks the “Sign up” button to create a new account 2. Start use-case Sign Up 3. Continue step #2 in the basic flow **Alternative flow 3: User forgets the password** If the User does not remember his/her password, the following occurs: 4. From #2 of the basic flow, user clicks the “Forgot password” button to reset the password 5. System processes to reset the password 6. Continue step #2 in the basic flow
Pre-conditions	The user opens the application
Post-conditions	**Post-condition: If successful** The User is authenticated and the system displays a home page based on the user type. **Post-condition: If unsuccessful** User is unable to log in for one or more reasons.

2.2.3 Use-case: View profile

Use case Name	View profile
Brief description	This use case describes how the user can view his/her profile in the application
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system and goes to the home page. 1. At the home page, the user clicks on the “Profile” button 2. System displays the profile of the user (Information, Enrolled exercises)
Alternative Flows	

Pre-conditions	The user is logged in The user is willing to view his/her profile information
Post-conditions	The user successfully to view his/her information

2.2.4 Use-case: Notification and Reminder

Use case Name	Notification and reminder
Brief description	This use case deccribes how the user can be notified or reminded by the application
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system. 1. The system sends a notification or a reminder to the user. 2. The user receives a notification or a reminder which is pushed-in the notification bar of the device.
Alternative Flows	**Alternative flow 1: User clicks the notification** 1. The system will open the application and lead the user to the Notification Page.
Pre-conditions	The user is logged in
Post-conditions	The system successfully sends the notification or a reminder to the user.

2.2.5 Use-case: Log out

Use case Name	Log out
Brief description	This use case describes how the user can log out of the application
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system and goes to the home page. 1. At the home page, the user clicks on the “Profile” button 2. At the Profile Page, the user clicks on the “Logout” button 3. The system logs the user out
Alternative Flows	
Pre-conditions	The user is logged in The user is willing to log out
Post-conditions	The user successfully logs out of the application

2.2.6 Use-case: View exercises

Use case Name	View exercises
Brief description	This use case describes how the user can see the exercises and some relative exercise (about muscle group, all body)
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system: 1. At the homepage, the system view category of exercises for the user to choose 2. The user clicks on the exercise to view details 3. System displays detail of the exercise (description, mini exercise, percentage completed, suggested relative exercise and 'start session' button) 4. The user can click on the mini exercise to view detail. 5. The system displays details about mini exercises (video demo, what the user has to do, rating and comments). 6. They can press 'start session' to start the exercise (the 'start session' will be changed to 'in progress' after pressed). 7. When user press 'mark as done' button, user can rate and comment about the exercise (Use-case: rating and comment) 8. Go back to step 2 and update the percentage completed.
Alternative Flows	**Alternative flow 1: User has not enrolled to the exercise:** 1. The user cannot do from step 5 to the end. 2. At step 3 instead of the 'start session' button and percentage completed, the system will display the 'enroll' button. 3. After user press the 'enroll' button, go to step 2 and user now can do all the flow **Alternative flow 2: User choose the done exercise** 1. If the user chooses the finished mini exercise: At step 6, 'mark as done' button will be changed to the 'done' tag and the user can rate and comment about the exercise. 2. If the user chooses the exercise (consist of many mini exercises): At step 3, 'Start session' button will be changed to the 'done' tag and the user can rate and comment about the exercise. **Alternative flow 3: User choose the relative exercise at step 4** 1. User is moved to step 2 which view detail about the relative exercise, now user can interact with the relative exercise like Use-case: view exercise **Alternative flow 4: User search the exercise at step 1**

	1. The user presses the ‘search’ icon at the home page to search the exercise. 2. User is moved to the search page. At this page, the user clicks on the text input and input the exercise they want. 3. The system shows the result. 4. The user clicks on the exercise to choose the exercise. The system moves the user to step 2 of this use case.
Pre-conditions	User logged in to the system
Post-conditions	The user successfully sees the details of the exercise and does the exercises.

2.2.7 Use-case: Register to practice the exercises

Use case Name	Register to practice the exercises
Brief description	This use case describes how the user can enroll to the exercises to practice
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system: 1. The user chooses exercise at the home page or search page. 2. System displays detail of the exercise (description, mini exercise, suggested relative exercise and ‘enroll’ button) + The user can click on mini exercise or relative exercise to view detail. + The system displays details about chosen exercises. 3. The user clicks on the ‘enroll’ button to enroll in the exercise. 4. The system updates the status of the exercise and moves the user to step 2 of use-case: view exercise.
Alternative Flows	**Alternative flow 1: User chooses the enrolled exercise** 1. Go to use-case: view exercise.
Pre-conditions	User logged in to the system.
Post-conditions	The user successfully sees the detail of the exercise and registers to the exercises.

2.2.8 Use-case: Rate and comment on exercises

Use case Name	Rate and comment on exercises
Brief description	This use case describes how the user can rate and comment on the exercises.
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system: 1. The user chooses exercises at the home page or search page. 2. The system displays detail of the exercise (description, mini exercise, percentage completed, suggested relative exercise and 'done' tag) + The user can click on mini exercise or relative exercise to view detail. + The system displays details about chosen exercise. 3. The user scrolls to the ratings and comments to add their opinion about the exercise. 4. The user inputs the comment by the text input and rate star. 5. The user presses the 'post' button to post the comment. 6. The system disables the text input and rate star of this user. (1 user just leaves opinion once)
Alternative Flows	**Alternative flow 1: User haven't done the exercise** 1. The text input and rate star is disabled. **Alternative flow 2: User want to delete the comment and rating** 1. The user holds on to their comment to choose to delete their comment and rating. 2. If the user deletes their comment, the system enables them to give the comment and rating again.
Pre-conditions	User logged in to the system and completed the exercise
Post-conditions	The user successfully rates and comments about the exercise

2.2.9 Use-case: Subscribe to the auto reminder for the exercise

Use case Name	Subscribe to the auto reminder for the exercise
Brief description	This use case describes how the user can subscribe to the auto reminder for the exercise.
Actors	User
Basic Flow	This use case starts when a system user is logged in to the system: 1. After choosing the registered exercise, the user is moved to view exercise page. 2. The user clicks on the 'bell' icon at the bottom right of the screen to open the pop up. 3. The pop up will show the datetime picker for the user to choose the time for the system to send a reminder to the user.

	4. After choosing time, the user has to hit the ‘confirm’ button to confirm the reminder. 5. The system closes the pop up.
Alternative Flows	**Alternative flow 1: User want to close the pop up** 1. After opening the pop up, the user can hit the ‘close’ button at the top right of the pop up to close and deny all change. **Alternative flow 2: User wants turn off or change the time of the reminder (after subscribe to the auto reminder)** 1. After choosing the registered exercise, the user is moved to view exercise page. 2. The user clicks on the ‘bell’ icon at the bottom right of the screen to open the pop up. 3. The pop up will show the date time the user has chosen, the ‘pen’ icon to change the date time and ‘x’ icon to delete the date time has been chosen. 4. The user has to options: ● If the user hits the ‘pen’ icon, the system will open the datetime picker for the user to choose. ● If the user hits the ‘x’ icon, the system will delete the current reminder and open the datetime picker for the user to add the new reminder in case they want. 5. The user hits the ‘confirm’ button to confirm the change. 6. The system closes the pop up.
Pre-conditions	User logged in to the system and at the step 2 of the use-case view exercise The exercise has been enrolled.
Post-conditions	The user successfully added the reminder of the registered exercise they would like to practice