\<Team 104\>

\<FitUs\>
Use-Case Specification

Version \<1.3\>

Revision History

Date	Version	Description	Author
<27/06/23>	<1.0>	<The first version of Use-case Specification, including: 1. The initial version of the use-case model (subjected to change); 2. Use-case details focusing on name, basic flow, alternative flows, pre-conditions, and post-conditions>	<Team 104>
<09/07/2023>	<1.1>	<The revised version of Use-case Specification, including changes to the use-case model (restricting administrator from some use cases); changes to some use cases' description>	<Team 104>
<01/09/2023>	<1.2>	<Changing the name of the use-case: "View food portion consultant" into "View list of food recipes>	<Team 104>
<02/09/202>	<1.3>	<Update the use-case model>	<Team 104>

Table of Contents

1. Use-case Model

2. Use-case Specifications

2.1 Use-case: Sign in

Use case Name	Sign in
Brief description	This use case describes how the user logs in to the website FitUs.
Actors	User, administrator
Basic Flow	1. There will be some places where the "Sign in" buttons appear. Clicking one of them leads to the "Sign in" page with a sign in form.

	2. The actor types in his/her account name and password into the sign in form, does CAPTCHA checking (if necessary), and submits the form. 3. The system matches the account and password with the data in the database and validates the actor's sign in request. 4. The system then navigates the actor to the Main Page and the use case ends.
Alternative Flows	**Alternative flow 1: Actor types in wrong account/password** 1. System displays a prompt informing that the account/password is incorrect. 2. The actor restarts step #2 in the basic flow. **Alternative flow 2: Actor forgets his/her password** 1. From #1 of the basic flow, the actor presses in the "Forgot password" button. 2. The actor then has to provide some information, such as email and submit to the system. 3. The OTP is sent to the email the actor provided before. The actor inputs this OTP into the form to confirm the email. 4. Actors input the new password and confirm that. 5. The actor restarts step #2 .
Pre-conditions	The actor goes to any page in the FitUs website that has a "Sign in" button.
Post-conditions	The actor successfully logs into the website and navigates to the Main Page.

2.2   Use-case: Sign out

Use case Name	Sign out
Brief description	This use case describes how the user logs out from the website FitUs
Actors	User, administrator
Basic Flow	1. From any page, the actor clicks on his/her avatar (which is also a button) to access the dropdown menu. 2. The actor clicks on the option "Sign out" in the dropdown menu. 3. A prompt appears asking if the actor wants to sign out from the website, and the actor clicks "Yes". 4. The system validates the actor's sign out request and replaces the actor's avatar button with a "Sign in" and "Sign up" buttons, then the use case ends.
Alternative Flows	There are no alternative flows for this use case
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website
Post-conditions	The actor successfully logs out from the website, is unable to see his/her profile picture, but instead a "Sign in" and "Sign up" buttons.

2.3   Use-case: Sign up

Use case Name	Sign up

Brief description	This use case describes how the user can create a new account.
Actors	User, administrator
Basic Flow	1. The actor navigates to the sign up form from any page where the "Sign up" button is present and is clicked on, as well as from the sign in form when the actor clicks the "Sign up" button. 2. The actor types in necessary information, for example, username, password and email, and submits the form. 3. The system validates the sign up request then adds the data from the form to the database if it is valid. 4. The system then displays a message telling that the account is created and navigates the actor to the sign in form, and the use case ends.
Alternative Flows	**Alternative flow 1: Account already exists** 1. Before step #2, the system displays a prompt informing that the account already exists. 2. The actor restarts step #2, except that all information aside from account name and password is retained. **Alternative flow 2: Actor types in wrong username/password format** 1. Before step #2, the system displays a prompt informing that the username/password format is not correct. 2. The actor restarts step #2, except that all information aside from the incorrect username or password format is retained.
Pre-conditions	The actor goes to any page in the FitUS website with the "Sign-up" button, or the actor goes to the sign in form.
Post-conditions	The actor successfully creates a new account, and navigates to the sign in form.

2.4   Use-case: Edit profile

Use case Name	Edit the user's profile
Brief description	This use case describes how the user can edit his/her general information about him/her.
Actors	User, administrator
Basic Flow	1. From any page, the actor clicks on his/her avatar (which is also a button) to access the dropdown menu. 2. The actor clicks on the option "Edit profile" in the dropdown menu, then the system navigates the actor to the edit profile page. 3. The actor adds,updates or deletes his/her information, then presses the "Confirm changes" button. 4. The system updates the data in the database and prompts the actor that his/her profile has been changed, the use case then ends.
Alternative Flows	There are no alternative flows for this use case.
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The user successfully updates his/her profile.

<FitUs>		Version:	<1.3>
Use-Case Specification		Date:	<02/09/23>
<document identifier>			

2.5 Use-case: View profile

Use case Name	View a user's profile
Brief description	This use case describes how the user can see his/her general information about him/her.
Actors	User, administrator
Basic Flow	1. From any page, the actor clicks on his/her avatar (which is also a button) to access the dropdown menu. 2. The actor clicks on the option "View profile" in the dropdown menu, then the system navigates the actor to the profile viewing page, the use case ends here.
Alternative Flows	There are no alternative flows for this use case.
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The actor successfully navigates himself/herself to the profile viewing page and is able to see his/her profile.

2.6 Use-case: View health records

Use case Name	View the user's health records
Brief description	This use case describes how the user sees his/her health records.
Actors	User
Basic Flow	1. From the navigation bar or at the homepage, the actor presses the "Health Records" button. 2. The system navigates the actor to the Health Records page, where he/she can view all records he/she made in the past on the website. 3. The actor selects a specific health record to view, a new window appears together with the information of the selected health record and the use case ends here.
Alternative Flows	**Alternative flow 1: Actor has no previous health records** 1. The Health Records page now has a prompt telling that the actor has no health records and asking if the actor wants to make one. 2. The actor presses the "Create new health record" button. 3. Step into the 2.7 Use-case: Edit health records, Alternative flow 1: Add health records. 4. Continue with step #2 in the basic flow
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The actor successfully navigates himself/herself to the Health Record page, is able to see his/her previously made health records and view information in a specific health record.

2.7 Use-case: Edit health records

Use case Name	Edit user's health records
Brief description	This use case describes how the user edits his/her health records, including the

	act of updating the health records made in the past and adding new health records.
Actors	User
Basic Flow	1. At the Health Records page, the actor selects a specific record and chooses "Update record" in the dropdown menu. 2. A new window appears with the information of the chosen health record that can be added, updated or deleted. 3. The actor makes changes to the health record and presses the "Confirm changes" button. 4. The system updates the data in the database and shows a message prompting that the update has been completed. 5. The window closes, and the use case ends here.
Alternative Flows	**Alternative flow 1: Add health records** 1. The actor presses the "Create new record" button in the Health Records page. 2. A new window appears with a form consisting of blank spaces to type in the information. 3. The actor types in his/her information and submits the form. 4. The system adds the data to the database and shows a message prompting that the adding process has been completed.
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The actor successfully edits his/her health records (either updates the information of the old health records, or adds a new health record).

2.8 Use-case: Health monitoring

Use case Name	Monitor the user's health statistics
Brief description	This use case describes how the user views an overall analysis of their current health state.
Actors	User
Basic Flow	1. From the navigation bar or at the homepage, the actor presses the "Health Monitoring" button. 2. The system navigates the actor to the Health Monitoring page. 3. The system collects data from the database, including all the health records that the actor has created, processes it into graphs and charts and shows them to the actor through the user interface. The use case ends here.
Alternative Flows	**Alternative flow 1: Actor has no previous health records** 1. The Health Monitoring page now has a prompt telling that the actor has no health records and asking if the actor wants to make one. 2. The actor presses the "Create new health record" button. 3. Step into the 2.7 Use-case: Edit health records, Alternative flow 1: Add health records. 4. Continue with step #3 in the basic flow

Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The actor successfully navigates himself/herself to the Health Monitoring page, and is able to see the graphs/charts that describe his/her health status.

2.9 Use-case: View BMI

Use case Name	View the user's current BMI value
Brief description	This use case describes how the user can view his/her BMI value through health records he/she has provided.
Actors	User
Basic Flow	1. From the navigation bar or at the homepage, the actor presses the "BMI" button. 2. The system navigates the actor to the BMI page. 3. The system collects data from the database, including all the health records that the actor has created, processes it into information (BMI value, evaluation on the current BMI value) and shows them to the actor through the user interface. The use case ends here.
Alternative Flows	**Alternative flow 1: Actor has no previous health records** 1. The BMI page now has a prompt telling that the actor has no health records and asking if the actor wants to make one. 2. The actor presses the "Create new health record" button. 3. Step into the 2.7 Use-case: Edit health records, Alternative flow 1: Add health records. 4. Continue with step #3 in the basic flow
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The user successfully views his/her BMI value and evaluation on his/her current BMI value.

2.10 Use-case: View food portion consultant

Use case Name	View suggested food portion
Brief description	This use case describes how the user can see his/her suggested food portion based on his/her provided health records
Actors	User
Basic Flow	1. From the navigation bar or at the homepage, the actor presses the "Food Portion" button. 2. The system navigates the actor to the Food Portion page. 3. Get recipes from database to visualize in Food Portion page 4. Users can choose categories of the food to filter. Then, the website will give all article of food about this category. The article is included introduction, illustrated pictures, ingredients and instructions to cook this food.

Alternative Flows	There are no alternative flows for this use case.
Pre-conditions	The actor has signed in to the website. The actor goes to any page in the FitUs website.
Post-conditions	The user successfully views list of recipes.

2.11   Use-case: Delete accounts

Use case Name	Delete accounts
Brief description	This use case describes how the Administrator deletes an account from the database.
Actors	Administrator
Basic Flow	1. At the Admin page, the administrator chooses the "Delete an account" option. 2. A window appears with a form consisting of a blank space to type in the account's id number. 3. The administrator presses the "Delete" button, then a prompt appears asking for confirmation, and the administrator presses "Yes" 4. The system removes the data from the database, the use case ends here.
Alternative Flows	**Alternative flow 1: The account's id number does not exist** 1. A message appears prompting that the account's id number does not exists 2. The administrator enters another account's id number in the form. 3. Continue step #3 in the basic flow
Pre-conditions	The actor has signed in as the Administrator. The actor goes to the Admin page.
Post-conditions	The actor successfully removes an account from the database, together with its data.

2.12   Use-case: View list of accounts

Use case Name	View a list of registered accounts
Brief description	This use case describes how the Administrator views the list of registered accounts.
Actors	Administrator
Basic Flow	1. At the Admin page, the administrator chooses the "View account" option. 2. A window appears with a form consisting of a blank space to type in the account's id number. 3. The administrator types in the account's id number and submits the form. 4. The system then finds the data that match the account's id number and returns the data to the administrator through user interface, the use case ends here.
Alternative Flows	**Alternative flow 1: Edit an account's profile** 1. During step #4, when viewing an account's information, the

	administrator presses the "Edit" button.
	2. A new window appears with a form consisting of the information of the selected account which can be added, updated or deleted.
	3. The administrator adds,updates or deletes the account's information, then presses the "Confirm changes" button.
	4. The system updates the data in the database and prompts the administrator that his/her profile has been changed.
	Alternative flow 2: The account's id number does not exist
	4. A message appears prompting that the account's id number does not exists
	5. The administrator enters another account's id number in the form.
	6. Continue step #4 in the basic flow
Pre-conditions	The actor has signed in as the Administrator.
	The actor goes to the Admin page.
Post-conditions	The actor successfully views the information of a selected account, furthermore, edits the selected account's profile.