DailyApple

DailyApple
Use-Case Specification

Version 1.0

Revision History

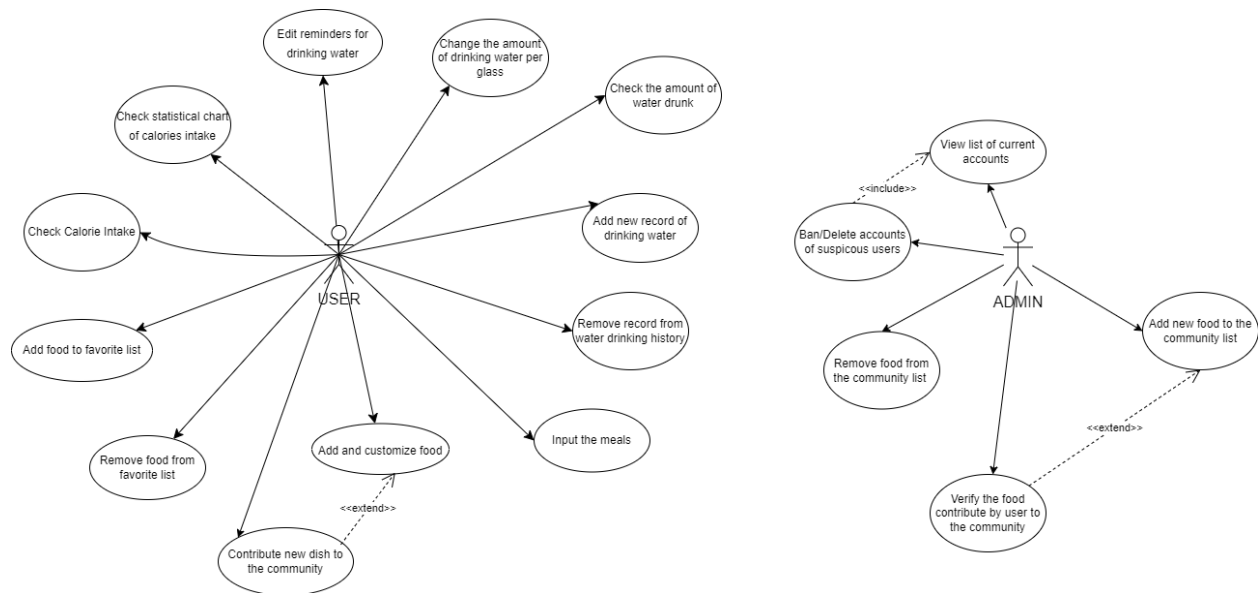| Date	Version	Description	Author
16/Nov/2023	1.0	Specifications based on Use-case diagram and UI design	Phạm Vũ Minh Giang
16/Nov/2023	1.0	Specifications based on Use-case diagram and UI design	Võ Hoàng Phúc Khang
16/Nov/2023	1.0	Specifications based on Use-case diagram and UI design	Vương Quốc Phong
16/Nov/2023	1.0	Specifications based on Use-case diagram and UI design	Nguyễn Trịnh Duy

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2. Use-case Specifications

2.1 Use-case:Input the meal

Use case name	Input the meal
Brief descriptions	Users can input details of their consumed meals, including food items and quantities. The system calculates and displays the total calories for the meal, providing a comprehensive overview of their dietary intake.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the "+" button to pop up a list of meals, then chooses one of them. User adds details of the consumed dish, including food items and quantities. System calculates and displays the total calories for the meal. User saves the meal entry.
Alternative Flows	If the user cancels the input, the system discards the entered information.
Pre-conditions	Users logged into their account successfully.
Post-conditions	The meal entry is recorded in the user's daily log. Total daily calorie count is updated.

2.2 Use-case: Add new record of drinking water

Use case name	Add New Record of Drinking Water
Brief descriptions	Users can easily log their water consumption by clicking in the add water button whenever the user drinks a glass of water. This helps users keep track of their daily water intake.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the droplet button to navigate to the "Drinking" page. User clicks the "+x ml" button (x is the size of the cup customized) to add that amount of water. System saves the water-drinking record.
Alternative Flows	If the user cancels the input, the system discards the entered information.
Pre-conditions	Users logged into their account successfully.
Post-conditions	The water-drinking record is added to the history.

2.3 Use-case: Remove Record from Water Drinking History

Use case name	Remove Record from Water Drinking History
Brief descriptions	Users have the ability to manage their water-drinking history by removing specific records. This feature enhances the user's control over their hydration tracking.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the droplet button to navigate to the "Drinking" page. At "Lịch sử", user can click on the "X" button to remove the drinking history corresponding to the place of that button. The system will give the user a pop-up to confirm if the user wants to delete or not. Then, the user confirm, that drinking history will be delete System saves the water-drinking record.
Alternative Flows	If the user cancels deleting in the pop-up, the history will be unchanged.
Pre-conditions	User has logged water-drinking records.
Post-conditions	The selected water-drinking record is removed from the history.

2.4 Use-case: Check the Amount of Water Drunk

Use case name	Check the Amount of Water Drunk
Brief descriptions	The system provides users with a quick overview of their total daily water consumption, allowing them to monitor and meet their hydration goals effectively.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the droplet button to navigate to the "Drinking" page. System displays the total amount of water consumed for the day.
Alternative Flows	
Pre-conditions	Users logged into their account successfully.
Post-conditions	The total daily water intake is displayed.

2.5 Use-case: Edit Reminders for Drinking Water

Use case name	Edit Reminders for Drinking Water
Brief descriptions	Users can customize and edit reminders for drinking water, ensuring that the app aligns with their preferred schedule for staying hydrated.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the droplet button to navigate to the "Drinking" page. User clicks the droplet button in the "Drinking" page to start editing the reminder
Alternative Flows	If the user cancels the edit, the system retains the previous reminders.
Pre-conditions	User has set up water-drinking reminders.
Post-conditions	The water-drinking reminders are updated.

2.6 Use-case: Change the Amount of Drinking Water per Glass

Use case name	Change the Amount of Drinking Water per Glass
Brief descriptions	Users have the flexibility to adjust the default amount of water per glass,

	providing a personalized experience based on their preferences and hydration needs.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the droplet button to navigate to the "Drinking" page. User clicks the "Cốc" button to start editing the amount of a glass. System displays a pop-up for the user to enter the amount of water per glass. Users input the amount of water per glass. Then, the user clicks to confirm the adjustment.
Alternative Flows	If the user cancels the edit, the system retains the previous setting.
Pre-conditions	Users logged into their account successfully.
Post-conditions	The default amount of water per glass is updated.

2.7 Use-case: Check Calorie Intake

Use case name	Check Calorie Intake
Brief descriptions	The system displays the total daily calorie intake, offering users a quick and informative summary of their overall dietary choices and progress towards health goals.
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the "Nhật ký dinh dưỡng" button to navigate to the "Calories Record" page. System displays the total daily calorie intake.
Alternative Flows	
Pre-conditions	Users logged into their account successfully.
Post-conditions	The total daily calorie intake is displayed.

2.8 Use-case: Mark/unmark favorite dish

Use case name	Mark/unmark favorite dish
Brief descriptions	User marks a food as favorite or unmarks a favorite food

Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the "Món ăn" button to navigate to the "Dishes" page. System displays a list of dishes User clicks the thumbs up button on the right of a dish
Alternative Flows	
Pre-conditions	Users logged into their account successfully.
Post-conditions	The list of dishes redisplay as favorite foods will be placed at the top of the list

2.9 Use-case: Check statistical chart of calories intake and drink water

Use case name	Check statistical chart of calories intake and drink water
Brief descriptions	The system shows a chart presenting the users calories intake during the previous day/week/month, as well as the amount of drink water
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the "Nhật ký dinh dưỡng" button to navigate to the "Calories Record" page. User clicks the button containing current day as the top right corner to navigate to chart page The system displays a chart present calories intake and a chart show the amount of drink water during the previous day/week/month
Alternative Flows	
Pre-conditions	Users logged into their account successfully.
Post-conditions	Both aforementioned charts are displayed.

2.10 Use-case: Add a new dish

Use case name	Add a new dish
Brief descriptions	User customizes a new dish into dishes list
Actors	Users

Basic Flow	User opens the DailyApple app. User clicks the "Món ăn" button to navigate to the "Dishes" page. System display a list of dishes User clicks a setting icon at the top right corner to navigate to dishes setting page User clicks at "Thêm món ăn" button User input the information of a dish including calories, nutritional ingredients User clicks "hoàn thành" to complete the insertion
Alternative Flows	If the user cancels the process, the system back to dishes setting page
Pre-conditions	User is logged into the system successfully
Post-conditions	The system adds a new dish into dishes list

2.11 Use-case: Contribute new dish to the community

Use case name	Contribute new dish to the community
Brief descriptions	User contributes a new dish
Actors	Users
Basic Flow	User opens the DailyApple app. User clicks the "Món ăn" button to navigate to the "Dishes" page. System display a list of dishes User clicks a setting icon at the top right corner to navigate to dishes setting page User clicks at "Đóng góp món ăn" button User input the information of a dish including calories, nutritional ingredients User clicks "hoàn thành" to complete the request
Alternative Flows	If the user cancels the process, the system back to dishes setting page
Pre-conditions	User is logged into the system The reputation of user is not too low
Post-conditions	A new dish will be placed in waiting list for censorship

2.12 Use-case: View list of current accounts

Use case name	View list of current accounts

Brief descriptions	Display a list of registered accounts of the application
Actors	Admin
Basic Flow	Admin logs in to the DailyApple app using authorized account Admin clicks the 'Danh sách tài khoản' button to navigate to the 'Danh sách tài khoản người dùng' page System will display a list of registered accounts, sorted by the creditPoint ascendingly. (user with high level of suspiciousness will be highlighted)
Alternative Flows	If due to some errors the system failed to retrieve the data, notify the admin.
Pre-conditions	Admin logged into the system using the authorized account.
Post-conditions	The list or the error notification is displayed precisely.

2.13 Use-case: Ban/Delete accounts of suspicious users

Use case name	Ban/Delete accounts of suspicious users
Brief descriptions	Administrators can ban or delete accounts of users displaying suspicious behavior, ensuring the safety of the user community.
Actors	Admin
Basic Flow	Admin logs in to the DailyApple app using authorized account Admin clicks the 'Danh sách tài khoản' button to navigate to the 'Danh sách tài khoản người dùng' page System will display a list of registered accounts, sorted by the creditPoint ascendingly. (user with high level of suspiciousness will be highlighted) Admin can right-clicks to show 2 options: 'Ban' and 'Delete' If Admin choose 'Ban': the system will change the status of the user to 'Banned' If Admin choose 'Delete': the account of the user is deleted
Alternative Flows	If the system failed to perform the action, notify the Admin and rollback transaction
Pre-conditions	Admin logged into the system using the authorized account.
Post-conditions	Chosen accounts are banned/Error message is delivered successfully.

2.14 Use-case: Remove food from the community list

Use case name	Remove food from the community list
Brief descriptions	Administrators can remove food items from the community list to maintain accuracy and compliance with standards.
Actors	Admin
Basic Flow	Admin logs in to the DailyApple app using authorized account Admin opens the "Danh sách các món ăn" button to navigate the community list of food. The system displays the list of food together with their information. Specifically, every item contains the name of food, the amount of calories and the number of its units. Admin clicks on an arbitrary item in the list. The system displays a new pop-up window showing the food information and two buttons "Cancel", "Delete" Admin chooses "Delete" and the food is removed from the list.
Alternative Flows	If there are some system errors happening, it will notify the admin
Pre-conditions	Admin logged into the system successfully using authorized accounts
Post-conditions	The food item is successfully removed from the community list

2.15 Use-case: Verify the food contribute by users to community list

Use case name	Verify the food contribute by users to community list
Brief descriptions	Administrators verify user-contributed food items to ensure accuracy and appropriateness in the community list.
Actors	Admin
Basic Flow	Admin logs in to the DailyApple app using authorized account Admin open the "Danh sách các món ăn được yêu cầu" button to navigate list-of-requested-food page. The system navigates to the required page and displays sorts of food that are suggested by some users, every item in the list is accompanied with the time. date and the information of the user who suggested. Admin clicks on an arbitrary item in the list and there will be a pop-up window showing the information of new food and two buttons "Accept"/ "Reject". If the admin chooses "Accept", the food is accepted and it will be moved

	from the requested list to the food list. If the admin chooses "Reject", the food is rejected and it will be removed from the requested list. After fulfilling the request, the user will be given a notification showing that the food is accepted and is already placed in the food list.
Alternative Flows	If there are some system errors happening, it will notify the admin
Pre-conditions	Admin logged into the system successfully using authorized accounts
Post-conditions	The food is accepted or rejected and the a notification is sent to its owner

2.16 Use-case: Add new food to the community list

Use case name	Add new food to the community list
Brief descriptions	Administrators can add new food items to the community list, enriching it with diverse and relevant options.
Actors	Admin
Basic Flow	Admin logs in to the DailyApple app using authorized account Admin opens the "Danh sách các món ăn" button to navigate the community list of food. The system displays the list of food together with their information. Specifically, every item contains the name of food, the amount of calories and the number of its units. There is also a plus sign which is "Thêm món ăn mới" button. Admin clicks on the plus sign. The system displays a new pop-up window showing the food information gap to fill in and two buttons "Add"/ "Cancel" Admin fills out the information of new food in the gap and chooses "Add", then a new following item is added to the food list.
Alternative Flows	If there are some system errors happening, it will notify the admin. If there is a new food requested to add in the food list by a user, the flow will work the same as the basic one in the use case "Verify the food contribute by users to community list"
Pre-conditions	Admin logged into the system successfully using authorized accounts
Post-conditions	The food item is successfully added in the community list