
Use Cases

for

Food Hero

Version 1.0 approved

Prepared by SCSJ Group 47

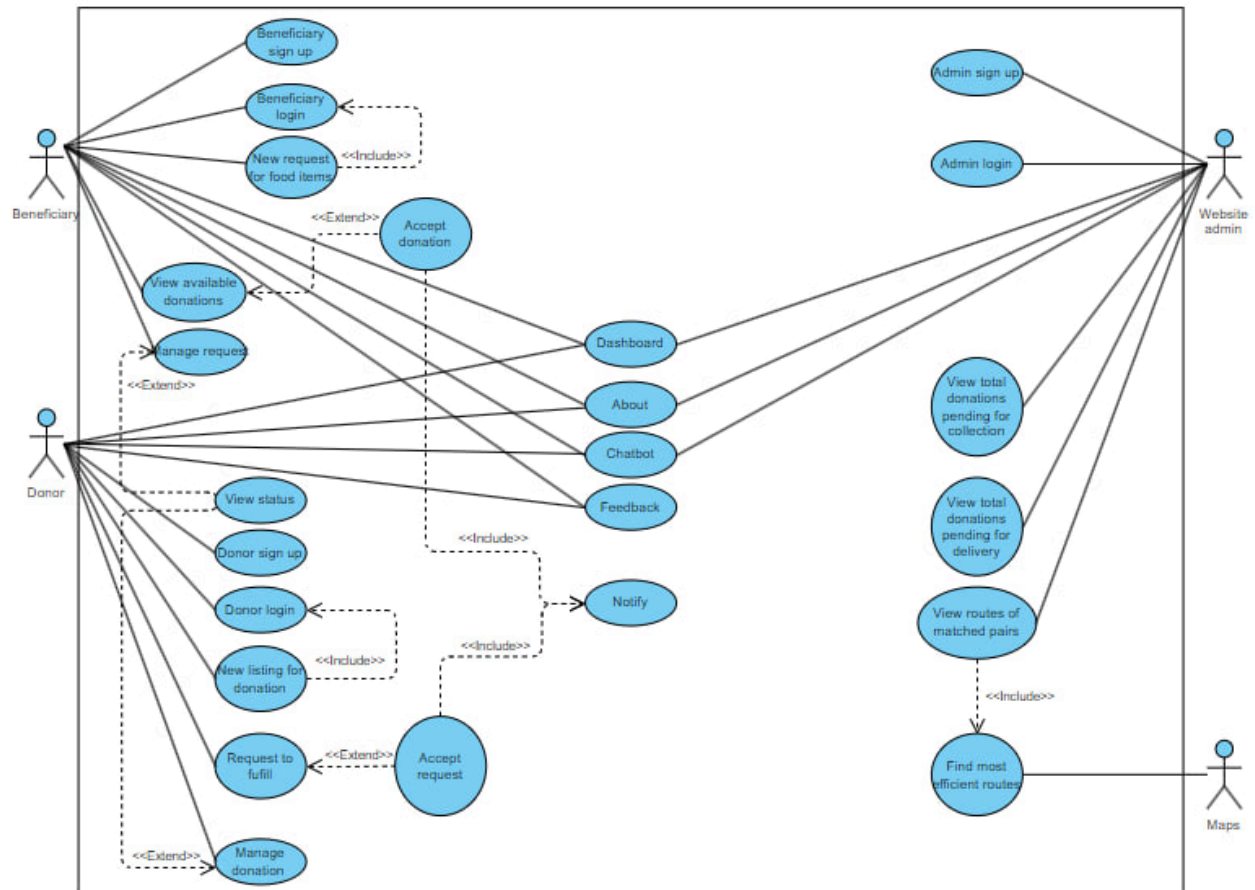
NTU

01/09/2024

Revision History

Name	Date	Reason For Changes	Version

Use Case Diagram



Use Case Description

Use Case ID:	1		
Use Case Name:	Dashboard		
Created By:	Kai Bin	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	11/9/24

Actor:	<ol style="list-style-type: none"> 1. Beneficiary 2. Donor 3. Website admin
Description:	The landing page of the platform that allows respective logged in users to execute different functions.
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in.
Postconditions:	<ol style="list-style-type: none"> 1. Depending on the profile of the user, user is able to perform functions such as making new food requests, donations, manage requests and donations, and view total donations pending for collection and delivery
Priority:	Medium
Frequency of Use:	0-20 times per day
Flow of Events:	<ol style="list-style-type: none"> 1. System navigates to "Dashboard" on the navigation bar. 2. System displays functions and features in which only the respective users have control over.
Alternative Flows:	-

Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	1. Users are familiar with the user interface.
Notes and Issues:	-

Use Case ID:	2		
Use Case Name:	About		
Created By:	Kai Bin	Last Updated By:	
Date Created:	30/8/24	Date Last Updated:	

Actor:	<ol style="list-style-type: none"> 1. Beneficiary 2. Donor 3. Admin
Description:	Provides information about the platform
Preconditions:	-
Postconditions:	<ol style="list-style-type: none"> 1. Users are informed about the platform.
Priority:	Low
Frequency of Use:	0-3 times per lifetime
Flow of Events:	<ol style="list-style-type: none"> 1. User navigates to "About" page. 2. System displays our mission, our values, and what we do. 3. User reads the information and can navigate back to other pages of the platform
Alternative Flows:	<p>3a: Contact details</p> <ol style="list-style-type: none"> 1. User can contact the support team of the platform via phone number or email stated at the end of the About page.
Exceptions:	-
Includes:	-

Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	3		
Use Case Name:	Chatbot		
Created By:	Kai Bin	Last Updated By:	
Date Created:	30/8/24	Date Last Updated:	

Actor:	<ol style="list-style-type: none"> Beneficiary Donor Website Admin
Description:	An AI-powered chatbot is available for users to interact with should they need guidance.
Preconditions:	-
Postconditions:	<ol style="list-style-type: none"> User receives assistance from the chatbot.
Priority:	Low
Frequency of Use:	0-10 times per lifetime
Flow of Events:	<ol style="list-style-type: none"> User clicks on the chatbot icon The chatbot interface opens Chatbot prompts user to type a question or choose from preconfigured options Chatbot processes the query and provides relevant response
Alternative Flows:	<p>4a: Multiple questions</p> <ol style="list-style-type: none"> Users have the option to continue asking questions or quit.

	<p>4b: Unsatisfactory answers</p> <ol style="list-style-type: none">1. If the user is unhappy with the provided answers, the user has the option to escalate the case to a human support agent if necessary.
Exceptions:	<p>4c: Unable to process the query</p> <ol style="list-style-type: none">1. Chatbot escalates complex queries to a human support agent.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	4		
Use Case Name:	Feedback		
Created By:	Kai Bin	Last Updated By:	
Date Created:	7/9/24	Date Last Updated:	

Actor:	<ol style="list-style-type: none"> 1. Beneficiary 2. Donor
Description:	User provide feedback via the feedback form should they have any concerns regarding the application or any issues with the process of the food donation or request.
Preconditions:	<ol style="list-style-type: none"> 1. User must be either a donor or beneficiary.
Postconditions:	<ol style="list-style-type: none"> 1. User submits the feedback form and expects a response from the admins.
Priority:	Low
Frequency of Use:	0-3 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. User navigates to “Feedback” on the navigation bar, 2. System displays the feedback form 3. User fills up information such as: <ol style="list-style-type: none"> a. Name

	<ul style="list-style-type: none">b. Emailc. Subjectd. Message <ul style="list-style-type: none">4. User clicks on the submit button5. System validates the information provided6. Form is successfully submitted.
Alternative Flows:	-
Exceptions:	<p>5a: Invalid Email Address Format</p> <ul style="list-style-type: none">1. System displays error message2. System prompts user to re-enter email. <p>5b: Empty fields</p> <ul style="list-style-type: none">1. System displays error message.2. System prompts user to fill up the empty fields.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	5		
Use Case Name:	Beneficiary sign up		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Beneficiary
Description:	Allow potential beneficiaries to create accounts on the platform.
Preconditions:	<ol style="list-style-type: none"> 1. User must have access to the platform. 2. User account is not already registered.
Postconditions:	<ol style="list-style-type: none"> 1. A new beneficiary account is created with the provided information. 2. They will be granted access to make food requests and accept donations.
Priority:	Medium
Frequency of Use:	Once per lifetime.

Flow of Events:	<ol style="list-style-type: none"> 1. Beneficiary selects " Beneficiary Sign Up" 2. System prompts beneficiary to fill in: <ol style="list-style-type: none"> a. Agency Name b. Point of Contact Name c. Point of Contact Phone Number d. Email e. Password f. Confirm Password 3. Beneficiary submits the registration form 4. System validates the information provided (e.g., email, password) 5. If validation is successful, system creates a new beneficiary account 6. Beneficiary is redirected to their dashboard.
Alternative Flows:	5a. Rejection: If account creation fails, notify the user of invalid fields and prompt the user to re-enter details.
Exceptions:	5b. System error: If an error occurs during the sign up process, the system displays an error message and prompts the admin to retry.
Includes:	-
Special Requirements:	-
Assumptions:	
Notes and Issues:	-

Use Case ID:	6		
Use Case Name:	Beneficiary login		
Created By:	Jun Hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Beneficiary
Description:	Allow beneficiaries to log into their accounts.
Preconditions:	1. User must be logged in as beneficiaries.
Postconditions:	2. Beneficiary is successfully logged in and redirected to the beneficiary's dashboard. .
Priority:	Medium
Frequency of Use:	0-5 times per day.
Flow of Events:	1. Beneficiaries selects "Beneficiary Login".

	<ol style="list-style-type: none"> 2. System prompts donor to enter their login credentials. 3. Beneficiaries provides credentials and submits the form 4. System validates the credentials and redirects donor to Beneficiary's dashboard where they can view Notifications, Manage Listings and Available Donations. They are able to make new food requests as well.
Alternative Flows:	4a: Unable to find account – If account is invalid, redirect to “Forget password”.
Exceptions:	4b: Timed out – When password has been entered wrongly for 5 times in a row, log user out of the website.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	7		
Use Case Name:	New request for food items		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Beneficiary
Description:	Beneficiary make new food requests from donors
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in. 2. User's profile must be a beneficiary.
Postconditions:	<ol style="list-style-type: none"> 1. The request offer is stored in the system. 2. The request is displayed under "Manage Requests".

Priority:	Medium
Frequency of Use:	0-5 times per day.
Flow of Events:	<ol style="list-style-type: none">1. User selects "New Request"2. System prompts user to input fields such as:<ol style="list-style-type: none">a) Food Nameb) Food Categoryc) Quantityd) Need by (if applicable)e) Delivery Locationf) Preferred Delivery Time3. User provides the details4. User submits the request offer5. System validates the request then lists it under the "Manage Requests" page.
Alternative Flows:	-
Exceptions:	<p>5b: Empty mandatory fields</p> <ol style="list-style-type: none">6. System displays an error message and prompts the user to re-enter the fields.
Includes:	<ol style="list-style-type: none">1. Beneficiary login
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	8		
Use Case Name:	View available donations		
Created By:	Kai Bin	Last Updated By:	
Date Created:	11/9/24	Date Last Updated:	

Actor:	Beneficiary
Description:	Beneficiaries can view donations that were made by the donors but have yet to be accepted.
Preconditions:	<ol style="list-style-type: none">1. User must be logged in.2. User's profile must be a beneficiary.

Postconditions:	1. User is informed of what foods are up for donation.
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. Beneficiary navigates to the dashboard. 2. Beneficiary clicks on "Available Donations" 3. System displays a list of food donations that were created by the donors but have yet to be accepted by any beneficiary. 4. For each available donation, system displays the food name, food category, quantity and expiration date.
Alternative Flows:	<p>4a: Accept donation</p> <ul style="list-style-type: none"> - Beneficiary has the option to accept the donation made by the donor.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	<p>Users have basic familiarity with the system's interface and functionality.</p> <p>The system has a reliable database and network connection to support real-time data retrieval.</p>
Notes and Issues:	-

Use Case ID:	9		
Use Case Name:	Manage Request		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	9/9/24

Actor:	Beneficiary
Description:	Beneficiary can view details of confirmed and pending requests.
Preconditions:	1. User must be logged in.

	2. User's profile must be a beneficiary.
Postconditions:	1. User is informed of the status of the food requests.
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. Beneficiary navigates to the dashboard. 2. Beneficiary clicks on "Manage requests" 3. System displays a list of food requests that were created by the beneficiary. 4. For each request, system displays the food name, food category, quantity and date.
Alternative Flows:	<p>4a: Accepted request</p> <ul style="list-style-type: none"> - Beneficiary has the option to view more details <p>4b: Pending request</p> <ul style="list-style-type: none"> - Beneficiary has the option to withdraw the request.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	<p>Users have basic familiarity with the system's interface and functionality.</p> <p>The system has a reliable database and network connection to support real-time data retrieval.</p>
Notes and Issues:	-

Use Case ID:	10		
Use Case Name:	Donor sign up		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	10/9/24

Actor:	Donor
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Description:	Allow potential donors to create accounts on the platform.
Preconditions:	<ol style="list-style-type: none"> 1. User must have access to the platform. 2. User account is not already registered.
Postconditions:	<ol style="list-style-type: none"> 1. A new donor account is created with the provided information. 2. They will be granted access to list their donations and accept requests.
Priority:	Medium
Frequency of Use:	Once per lifetime
Flow of Events:	<ol style="list-style-type: none"> 1. Donor selects "Donor Sign Up" 2. System prompts donor to select user type (Supermarket or Individual) 3. If User selects Supermarket, system prompts to fill in: <ol style="list-style-type: none"> a. Organization Name b. Address c. UEN Number d. Point of Contact Name e. Point of Contact Phone Number f. Certification Status g. Organisation's Hygiene Rating h. Email i. Password j. Confirm Password 4. If User selects Individual, system prompts to fill in: <ol style="list-style-type: none"> a. Agency Name b. Point of Contact Name c. Point of Contact Phone Number d. Email e. Password f. Confirm Password 5. Donor submits the registration form 6. System validates the information provided (e.g., email, password)

	<p>7. If validation is successful, system creates a new donor account</p> <p>8. Donor is redirected to their dashboard.</p>
Alternative Flows:	5a. Rejection: If account creation fails, notify the user of invalid fields and prompt the user to re-enter details.
Exceptions:	5b. System error: If an error occurs during the sign up process, the system displays an error message and prompts the admin to retry.
Includes:	-
Special Requirements:	-
Assumptions:	
Notes and Issues:	-

Use Case ID:	11		
Use Case Name:	Donor login		
Created By:	Jun Hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Donor
Description:	Allow donors to log into their accounts.
Preconditions:	1. User must be registered in as donor.
Postconditions:	1. Donor is successfully logged in and redirected to the donor dashboard..
Priority:	Medium
Frequency of Use:	0-5 times per day.
Flow of Events:	<ol style="list-style-type: none"> 1. Donor selects "Donor Login". 2. System prompts donor to enter their login credentials. 3. Donor provides credentials and submits the form 4. System validates the credentials and redirects donor to Donor's dashboard where they can view Notifications, Manage Listings and Requests to Fulfil. They are able to make new food donations as well.
Alternative Flows:	4a: Unable to find account – If account is invalid, redirect to "Forget password".
Exceptions:	4b: Timed out – When password has been entered wrongly for 5 times in a row, log user out of the website.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	12		
Use Case Name:	New listing for donation		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Donor
Description:	Donor offer to donate food to those in need through the platform.
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in. 2. User's profile must be a donor.
Postconditions:	<ol style="list-style-type: none"> 1. The food item is being listed on "Manage Donations".
Priority:	Medium
Frequency of Use:	0-10 times per day.
Flow of Events:	<ol style="list-style-type: none"> 1. User selects "New Donation" 2. System prompts user to input fields such as: <ol style="list-style-type: none"> a. Food name b. Food Category c. Quantity d. Expiration Date (if applicable) e. Food Image 3. User provides the details 4. User submits the request 5. System validates the listing then lists it under "Manage Donations" page.
Alternative Flows:	-
Exceptions:	<p>5b: Empty mandatory fields</p> <ol style="list-style-type: none"> 1. System displays an error message and prompts the user to re-enter the fields.
Includes:	<ol style="list-style-type: none"> 1. Donor login

Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	13
Use Case Name:	Request to fulfill

Created By:	Kai Bin	Last Updated By:	
Date Created:	11/9/24	Date Last Updated:	

Actor:	Donor
Description:	Donor can view requests that were made by the donors but have yet to be accepted.
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in. 2. User's profile must be a donor.
Postconditions:	<ol style="list-style-type: none"> 1. User is informed of what type of foods beneficiaries are interested in.
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. Donor navigates to the dashboard. 2. Donor clicks on "Requests to fulfill" 3. System displays a list of food requests that were created by the beneficiaries but have yet to be accepted by any donor. 4. For each available request, system displays the food name, food category, quantity and date.
Alternative Flows:	<p>3a: Accept request</p> <ul style="list-style-type: none"> - Donor has the option to accept the food request made by the beneficiary.
Exceptions:	-
Includes:	-
Special Requirements:	-

Assumptions:	<p>Users have basic familiarity with the system's interface and functionality.</p> <p>The system has a reliable database and network connection to support real-time data retrieval.</p>
Notes and Issues:	-

Use Case ID:	14		
Use Case Name:	Manage Donation		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	9/9/24

Actor:	Donor
Description:	Donor can view details of confirmed and pending donations.
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in. 2. User's profile must be a donor.
Postconditions:	<ol style="list-style-type: none"> 1. User is informed of the status of the food donations.
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. Donor navigates to the dashboard. 2. Donor clicks on "Manage donations" 3. System displays a list of food donations that were created by the donors. 4. For each donation, system displays the food name, food category, quantity and date.
Alternative Flows:	<p>4a: Accepted donation</p> <ul style="list-style-type: none"> - Donor has the option to view more details <p>4b: Pending donation</p> <ul style="list-style-type: none"> - Donor has the option to withdraw the request.

Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	<p>Users have basic familiarity with the system's interface and functionality.</p> <p>The system has a reliable database and network connection to support real-time data retrieval.</p>
Notes and Issues:	-

Use Case ID:	15		
Use Case Name:	Admin sign up		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7/9/24

Actor:	Admin
Description:	Allow potential Admin to create accounts on the platform.
Preconditions:	<ol style="list-style-type: none"> 1. User must have access to the platform. 2. User account is not already registered.
Postconditions:	<ol style="list-style-type: none"> 1. A new Admin account is created with the provided information. 2. Admin will be granted access to view and update the status of the successfully matched request.
Priority:	Medium
Frequency of Use:	Once per lifetime.
Flow of Events:	<ol style="list-style-type: none"> 1. Admin selects " Admin Sign Up" 2. System prompts donor to fill in: <ol style="list-style-type: none"> a. Email b. Password c. Confirm Password 3. Admin submits the registration form 4. System validates the information provided (e.g., email, password) 5. If validation is successful, system creates a new Admin account 6. Admin is redirected to their dashboard.

Alternative Flows:	5a. Rejection: If account creation fails, notify the user of invalid fields and prompts user to re-enter details.
Exceptions:	5b. System error: If an error occurs during the sign up process, the system displays an error message and prompts the admin to retry.
Includes:	-
Special Requirements:	-
Assumptions:	
Notes and Issues:	-

Use Case ID:	16		
Use Case Name:	Admin login		
Created By:	Jun Hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	7//9/24

Actor:	Admin
Description:	Allow Admin to log into their accounts.
Preconditions:	1. User must be registered as Admin.
Postconditions:	1. Admin is successfully logged in and redirected to the admin home page .
Priority:	Medium
Frequency of Use:	0-3 times per day.
Flow of Events:	<ol style="list-style-type: none"> 1. Admin selects "Admin Login". 2. System prompts the admin to enter their login credentials. 3. Admin provides credentials and submits the form 4. System validates the credentials and redirects donor to Admin's dashboard where they can view Notifications, Collect Donation and Deliver Donation.
Alternative Flows:	4a: Unable to find account – If account is invalid, redirect to "Forget password".

Exceptions:	4b: Timed out – When a password has been entered wrongly for 5 times in a row, log the user out of the website.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	17		
Use Case Name:	View total donations pending for collection		
Created By:	Kai Bin	Last Updated By:	
Date Created:	7/9/24	Date Last Updated:	

Actor:	Website Admin
Description:	Administrative task to view the total number of donation requests that are currently pending for collection from donors.
Preconditions:	<ol style="list-style-type: none"> 1. User must be logged in. 2. User's profile must be an admin.
Postconditions:	<ol style="list-style-type: none"> 1. System displays the total number of pending donation requests.
Priority:	Medium
Frequency of Use:	1-5 times per day.
Flow of Events:	<ol style="list-style-type: none"> 1. Admin logs into the system 2. Admin selects "Collect Donation" 3. System displays all food listings by the donors that have not been collected.
Alternative Flows:	3a: Generate Fastest Route

	<ul style="list-style-type: none">- Admin can view the fastest route from the headquarters to the donor's address.
Exceptions:	-
Includes:	-
Special Requirements:	Admins must have appropriate permissions to view.
Assumptions:	The system has a mechanism for tracking the status of donation requests.
Notes and Issues:	-

Use Case ID:	18		
Use Case Name:	View total donations pending for delivery		
Created By:	Kai Bin	Last Updated By:	
Date Created:	7/9/24	Date Last Updated:	

Actor:	Website Admin
Description:	Administrative task to view the total number of donation requests that are currently pending for delivery
Preconditions:	<ol style="list-style-type: none"> 1. Users must be logged in. 2. User's profile must be an admin.
Postconditions:	<ol style="list-style-type: none"> 1. System displays the total number of pending donation requests.
Priority:	Medium
Frequency of Use:	1-5 times per day.
Flow of Events:	<ol style="list-style-type: none"> 1. Admin logs into the system 2. Admin selects "Deliver Donation" 3. System displays all food that has yet to be delivered to the beneficiaries.

Alternative Flows:	3a: Generate Fastest Route <ul style="list-style-type: none">- Admin can view the fastest route from the headquarters to the beneficiary's address.
Exceptions:	-
Includes:	-
Special Requirements:	Admins must have appropriate permissions to view.
Assumptions:	The system has a mechanism for tracking the status of donation requests.
Notes and Issues:	-

Use Case ID:	19		
Use Case Name:	View routes of matched pairs		
Created By:	Jun hern	Last Updated By:	
Date Created:	30/8/24	Date Last Updated:	

Actor:	Website admin
Description:	Admin is able to view the most efficient route generated by “find most efficient routes” use case.
Preconditions:	<ol style="list-style-type: none"> 1. The admin has access to the website. 2. User is logged in as Admin.
Postconditions:	<ol style="list-style-type: none"> 1. Admin is made aware of the most efficient route.
Priority:	High
Frequency of Use:	Real-time (triggered automatically after the route is calculated)
Flow of Events:	<ol style="list-style-type: none"> 1. Admin receives a notification 2. Admin logs into the website and is able to view the most efficient route for each matched pairs.

Alternative Flows:	2a. Admin would collect food from donors once they are ready for collection. 2b. Admin would deliver food to beneficiaries once they are ready to be delivered.
Exceptions:	-
Includes:	1. Find most efficient routes
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	20		
Use Case Name:	Find most efficient routes		
Created By:	Jun hern	Last Updated By:	
Date Created:	30/8/24	Date Last Updated:	

Actor:	Maps
Description:	Automatically calculate the most efficient routes for approved matched donations, considering factors such as distance, and traffic.
Preconditions:	<ol style="list-style-type: none"> 1. A donation request has been matched. 2. The donor and beneficiary information, including their locations, is available in the system. 3. Access to Google Maps API is made available.
Postconditions:	<ol style="list-style-type: none"> 1. The system generates an efficient route based on traffic conditions.
Priority:	High

Frequency of Use:	Real-time (triggered automatically upon approval of a matched donation)
Flow of Events:	<ol style="list-style-type: none"> 1. When a donation is matched, the system triggers the route optimization process. 2. The system collects relevant data, such as the donor's location and the beneficiary's location.. 3. The system will generate and send the route information to our team to facilitate the collection of items from the donor's location. 4. The system will also calculate and provide the most efficient route from our headquarters to the beneficiary's location for the delivery process.
Alternative Flows:	1a. No available admin drivers: If no delivery drivers are available in the area, the system may delay the delivery or notify the donor and beneficiary of the situation.
Exceptions:	-
Includes:	-
Special Requirements:	Integration with a mapping API or navigation system to obtain accurate distance and traffic data.
Assumptions:	<ol style="list-style-type: none"> 1. The system has access to reliable mapping data and traffic information. 2. Delivery drivers are able to follow the generated routes efficiently.
Notes and Issues:	-

Use Case ID:	21		
Use Case Name:	Accept donation		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	10/9/24

Actor:	Beneficiary
Description:	When a donor made a food listing and a beneficiary accepted it.
Preconditions:	<ol style="list-style-type: none"> 1. The donor has made a food listing. 2. The beneficiary has found a suitable listing by the donor and accepts the donation.
Postconditions:	<ol style="list-style-type: none"> 1. System prepares notifications to send out to both parties.

Priority:	High
Frequency of Use:	10-20 times a day
Flow of Events:	<ol style="list-style-type: none">1. System matches donations with requests that have the same requirements.2. System notifies the donor that the donation has been accepted.3. System updates the status of the items.
Alternative Flows:	-
Exceptions:	-
Includes:	<ol style="list-style-type: none">1. Notify
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	22		
Use Case Name:	Accept request		
Created By:	Jun hern	Last Updated By:	Kai Bin
Date Created:	30/8/24	Date Last Updated:	10/9/24

Actor:	Donor
Description:	When a beneficiary made a food request and a donor accepted it.
Preconditions:	<ol style="list-style-type: none">1. The beneficiary has made a request2. The donor has found a suitable request by the beneficiary and offered to donate.
Postconditions:	<ol style="list-style-type: none">1. System prepares notifications to send out to both parties.

Priority:	High
Frequency of Use:	10-20 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. Donor selects the food to be donated and clicks on "Donate" 2. System notifies the beneficiary that the request has been accepted. 3. System updates the status of the items.
Alternative Flows:	-
Exceptions:	-
Includes:	1. Notify
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	23		
Use Case Name:	Notify		
Created By:	Jun hern	Last Updated By:	
Date Created:	30/8/24	Date Last Updated:	

Actor:	<ol style="list-style-type: none"> 1. Beneficiary 2. Donor
Description:	To notify them of the process of food delivery.
Preconditions:	1. Request has been fulfilled by the donor or donation has been accepted by the beneficiary.

Postconditions:	1. Donors and beneficiaries are made aware of the exact location of the food delivery and the status of the delivery (if any).
Priority:	High
Frequency of Use:	0-50 times a day
Flow of Events:	<ol style="list-style-type: none">1. An optimal route has been generated successfully.2. Donors and beneficiaries are made aware that their matches have been processed.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	24		
Use Case Name:	View Status		
Created By:	Kai Bin	Last Updated By:	
Date Created:	7/9/24	Date Last Updated:	

Actor:	1. Beneficiary 2. Donor
Description:	Donors can view drop-off status of confirmed donations and beneficiaries can view delivery status of confirmed requests.

Preconditions:	<ol style="list-style-type: none"> 1. User has a valid registered account. 2. User has to be either a donor or a beneficiary
Postconditions:	<ol style="list-style-type: none"> 1. Donor and Beneficiary are informed of the date and time of the drop-off or delivery respectively.
Priority:	Medium
Frequency of Use:	1-5 times a day
Flow of Events:	<ol style="list-style-type: none"> 1. User selects “Details” under each confirmed food request or confirmed donation. 2. Delivery and drop-off details such as date and time will be shown.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

