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<StarBug Cafeteria Management System>
Use-Case Specification

Version <1.0>

Revision History

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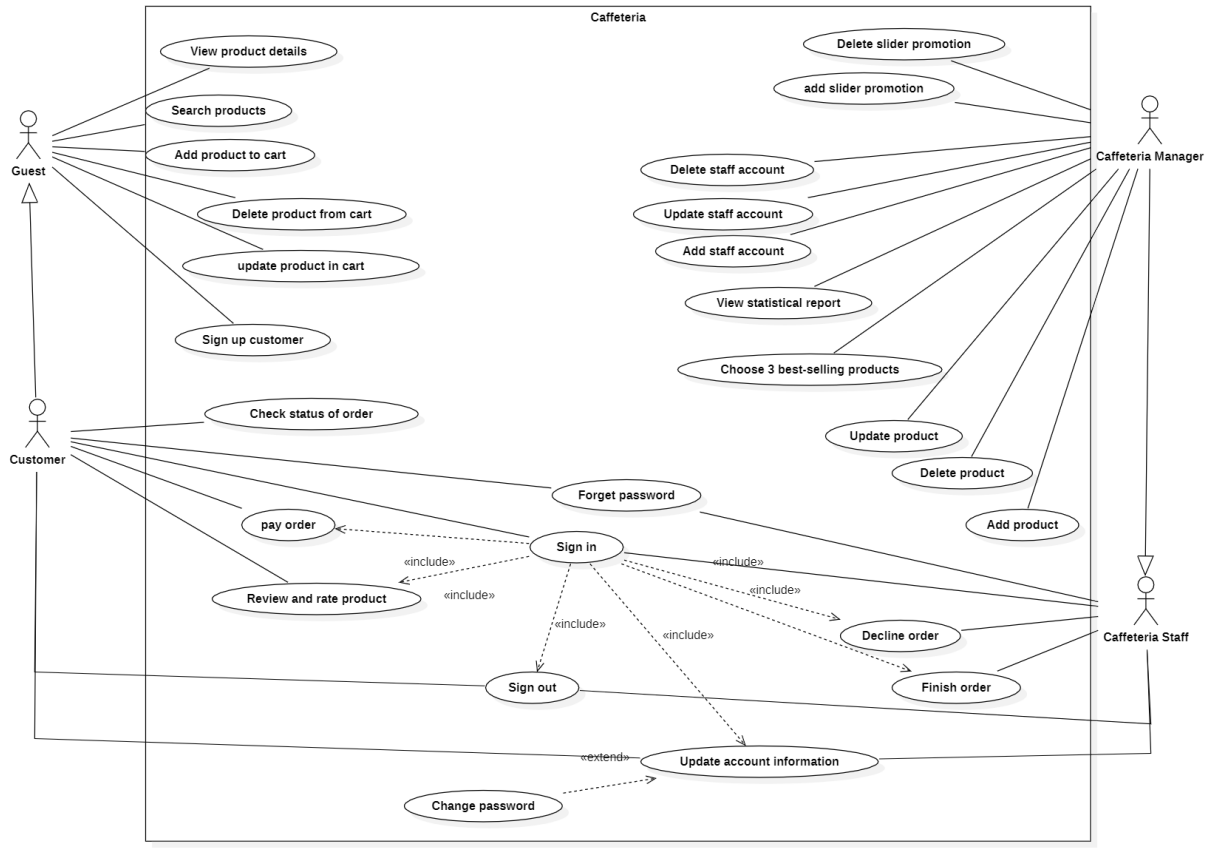
Use-Case Specification: <Use-Case Name>

1. Use-Case model



2. Use-case specifications

2.1 Use-case: View product details

Use-case name	View product details
Brief description	This use case outlines the steps a guest and customer takes to view detailed information about a specific product on the StarBug's website
Actor	Guest, Customer
Basic flow	1. The actor navigates to the StarBug website. 2. The system returns the homepage of the website with the grid of product 3. The actor browses the product grid and clicks on the product of interest to view more details. 4. The system displays the product details, including its name, images, description, price, average rating, size and toppings

Alternative flow	**Alternative 1: The actor uses the search function to find a specific product** 1. From basic flow #3, the user chooses one of the results to view more details 2. Continue to step #4.
Pre-conditions	1. The StarBug website is accessible and functional. 2. The product catalog is up to date
Post-conditions	1. The system displays the relevant details. 2. The user has successfully viewed detailed information about the selected product.

2.2 Use-case: Search products

Use-case name	Search products
Brief description	This use case outlines the steps the guest or customer takes to search for a specific product
Actor	Guest, customer
Basic flow	1. The actor navigates to the StarBug's website. 2. The system returns the homepage of website with the grid of product 3. The actor clicks on the search box (with a text saying "search" and a magnifying glass icon) 4. The actor enters the keywords related to the product, such as the name of a specific coffee blend or a related category (e.g "espresso", "organic coffee"). 5. The system performs a search based on the entered keywords. 6. The system displays a list of products matching the search criteria. 7. The actor can click on a product to view more details or continue refining the search.
Alternative flow	**Alternative flow 1: If the search yields no result** 1. From step #5, the system will notify the customer by displaying "The product is not found". 2. The actor refines their search with different keywords. 3. Continue to step #5
Pre-conditions	1. The StarBug website is accessible and functional. 2. The search functionality is operational.
Post-conditions	1. The system returns the result of the search. 2. The actor received a list of products matching with their search criteria

2.3 Use-case: Add a product to cart

Use-case name	Add a product to cart
Brief description	This use case outlines the steps a guest or a customer takes to add a specific product to their cart on the StarBug's website
Actor	Guest, Customer

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Basic flow	1. The actor navigates to the coffee shop's website 2. The system returns the homepage of the website with the grid of product 3. The actor browses the product catalog. 4. The actor clicks the "Plus" icon next to the product they choose. 5. The system returns a form showing the product and its options (size, quantity, toppings) 6. The actor choose their preferred options and click “Add to cart” 5. The system updates the shopping cart with the added items with quantity and total price 6. The actor may choose to either continue shopping or proceed to checkout
Alternative flow	**Alternative flow 1: The customer uses the add to cart button in the product detail page.** 1. From step #3 of the basic flow, the actor chooses to view details on a product. 2. The actor selects the desired quantity and size, type, topping, and then clicks "Add to cart" button. 3. Continue to step #5 of the basic flow.
Pre-conditions	1. The actor can access the StarBug website homepage. 2. The add to cart functionality is functional.
Post-conditions	1. The selected product has been added to the customer's shopping cart. 2. The system reflects the updated cart with the added item, quantity, and total price.

2.4 Use-case: Delete product from cart

Use-case name	Delete product from cart
Brief description	This use case outlines the steps a customer or a guest takes to remove a product from their shopping cart on the StarBug's website
Actor	Guest, customer
Basic flow	1, The actor accessed the homepage on StarBug's website. 2. The actor clicks on the shopping cart icon to view the contents. 3. The system displays a summary of the items in the cart, including names, quantities, and total price. 4. The actor identifies the item they want to remove. 5. The actor clicks on the garbage can icon next to the product they want to remove. 6. The system updates the cart, removing the selected product. 7. The system calculates the total price based on the remaining items in the cart.

Alternative flow	Alternative flow 1: Empty cart. 1. From step #5 of the basic flow, if the actor removes the last item from the cart 2. The system informs them that no orders are available.
Pre-conditions	1. The actor must have items in their shopping cart.
Post-conditions	1. The actor has successfully removed a product from their cart. 2. The system reflects the updated cart without the deleted item. 3. The actor can continue to go shopping.

2.5 Use-case: Update product in cart

Use-case name	Update product in cart
Brief description	This use case outlines the steps a customer or a guest takes to update a product from their shopping cart on the StarBug's website
Actor	Guest, Customer
Basic flow	1, The actor accessed the homepage on StarBug's website. 2. The actor clicks on the shopping cart icon to view the contents. 3. The system displays a summary of the items in the cart, including names, quantities, and total price. 4. The actor clicks the pencil icon button to update. 5. The system returns the edit popup. 6. The actor adjusts the quantity or selects different variations like the size, topping of the product. 7. The system updates the cart. 8. The system calculates the total price based on the items in the cart.
Alternative flow	**Alternative flow 1: Actors update the information that has the same value with another item in the cart.** 1. From step #7 of the basic flow, the system increases the quantity of the item that has the same value. 2. Continue to step #8 of the basic flow.
Pre-conditions	1. The actor has items in their shopping cart.
Post-conditions	1. The actor has successfully updated the product from their cart. 2. The system reflects the updated cart with the changes made by the actor. 3. The actor can continue to go shopping.

2.6 Use-case: Sign up

Use-case name	Sign up

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Brief description	This use cases outlines the steps a potential customer takes to create an account on the StarBug's website
Actor	Guest
Basic flow	1. The actor navigates to the homepage of StarBug's website. 2. The actor clicks on the "Login" button. 3. The actor clicks on the "Sign up" button at the bottom left of the login form. 4. The system displays a registration form prompting the actor to enter required information, such as name, email address, password and phone number. 5. The actor fills out the registration form with the necessary information 6. The actor submits the registration form by clicking the "Sign up" button. 7. The system validates the entered information (e.g checks for valid email format, password requirements). 8. The system then sends a verification email to the actor. 9. The actor clicks on the link provided in the email. 10. The system creates a new customer account and saves it to the database. 11. The system redirects the newly created customer back to the homepage.
Alternative flow	**Alternative Flow 1: Existing email address** 1. From step #6 of the basic flow, if the email address entered during registration is already associated with an existing account, the system notifies the actor. 2. The actor change the email to another address. 3. Continue to step #7 of the basic flow. **Alternative Flow 2: Invalid Information** 1. From step #6 of the basic flow, If the entered information does not meet validation criteria (Invalid email format), the system provides error messages indicating the specific issues. 2. The actor corrects the information. 3. Continue to step #7 of the basic flow.
Pre-conditions	1. The StarBug website is accessible and functional.
Post-conditions	1. The actor has successfully created a new account. 2. The system saves the new account information into the database. 3. The actor can log in using the newly created account credentials.

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2.7 Use-case: Sign in

Use-case name	Sign in
Brief description	The use-case describes how actors log in their account.
Actor	Customer, staff, manager
Basic flow	1. The actor enters the Starbug website, clicks on the "login" button 2. The system pops up a log-in form and asks for the email and password 3. The actor enters email and password 4. The system validates the email in order to check whether it is valid and satisfies the email format. 5. If the email is valid, the system verifies the actor's account based on email, password. 6. If the actor enters the correct email, password, the actor will be sent to the actor interface based on the actor's account role (customer, admin or staff)
Alternative flow	**Alternative flow 1: Enter invalid email format** 1. From #4 from the basic flow, after checking the invalid email format, the system will notice the customer. 2. Continue to step #5 **Alternative flow 2: wrong password more than 5 tímes** 1. From step #5, if the customer enters the wrong email or password, they will be noticed. 2. If the customer attempts to log in 5 times above and keep the wrong email and password, there will be a recaptcha box to ensure that the request is made by a human.
Pre-conditions	1. The StarBug system already contains the actor's account
Post-conditions	1. system allow the actor to access his/her own function, actor interface based on the role of the account 2. the actor successfully log in to the website and use his/her function,

2.8 Use-case: Forget password

Use-case name	Forget password
Brief description	This use case outlines the steps a actor takes to reset their password when they forget it on the StarBug's website
Actor	Customer, Cafeteria staff, Manager
Basic flow	1. The actor navigates to the homepage of StarBug's website. 2. The actor clicks on the "Login" button. 3. The actor clicks on the "Forget password" button at the bottom right of the login form. 4. The system prompts the customer to enter their registered email address 5. The actor enters their email address and submits the form by clicking the "Submit" or "Reset password" button. 6. The system verifies the provided email address against registered accounts. 7. If the email address is valid, the system generates a unique password reset link and sends it to the customer's email address. 8. The actor receives the password reset email and clicks on the provided link. 9. The system prompts the actor to enter a new password. 10. The actor enters a new password and submits the form. 11. The system updates the password for the actor's account and confirms the successful password reset.

Alternative flow	**Alternative flow 1: Invalid email address** 1. From step #5 of the basic flow, if the entered email address is not associated with any registered account, the system notifies the actor. 2. The actor is prompted to re-enter a valid email address. 3. Continue to step #6 of the basic flow. **Alternative flow 2: Expired or Invalid reset link** 1. From step #8 of the basic flow, if the customer attempts to use an expired or invalid password reset link, the system notifies the actor. 2. The actor need to restart the password reset process from step #1 of the basic flow.
Pre-conditions	1. The actor is on the homepage of StarBug's website. 2. The actor already has an account on the StarBug system.
Post-conditions	1. The actor has successfully reset their password. 2. The system updates the password for the customer's account. 3. The actor can log in by using the new password.

2.9 Use-case: Sign out

Use-case name	Sign out
Brief description	This use case outlines the steps a signed-in actor takes to log out or sign out from their account on the StarBug's website
Actor	Customer, Cafeteria staff, Manager
Basic flow	1. The logged-in actor is in any pages of the StarBug's website. 2. The actor clicks on the profile name on the top right of the header. 3. The system returns profile settings to the actor. 4. The actor clicks on the logout option in the profile settings. 4. The system verifies the actor's intention to log out and clears the current session. 4. The system redirects the actor to the homepage.
Alternative flow	**Alternative flow 1: Automatic timeout session.** 1. If the actor is idle for more than 15 minutes. 2. The system will automatically log out the actor.
Pre-conditions	1. The actor is currently logged in to their account on StarBug's website.
Post-conditions	1. The actor has successfully logged out of their account. 2. Any active sessions associated with the actor's account are terminated. 3. The system no longer recognizes the actor as logged in, limiting access to features

2.10 Use case: Pay order

Use-case name	Pay order

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Brief description	This use case outlines the steps an actor takes to pay for their order on the StarBug's website
Actor	Customer
Basic flow	1. The actor adds their desired products to their shopping cart and clicks on the cart button on the header. 2. The system displays the order summary, including the list of items, quantities, total price. 3. The system also requests the address, full name, phone number, note, and payment type, term and conditions. 4. The actor reviews the order details and fulfill the requests. 5. The actor clicks on the "Order". 6. The system validates the payment information and processes the transaction securely. 7. If the payment is successful, the system generates an order confirmation, which includes an order number and records the order into the database. 8. The system updates the order contents in the staff view. 9. The system updates the order status as "In process" in the actor's account. 10. The system sends a confirmation email to the actor.
Alternative flow	**Alternative flow 1: Modify the cart before payment.** 1. From step #4 of the basic flow, the actor can modify their cart (e.g add, decrease, delete). 2. Continue to step #5 of the basic flow.
Pre-conditions	1. The actor is logged in and has items in their shopping cart
Post-conditions	1. The actor has successfully paid for their order. 2. The system updates the order status to "In process". 3. The actor receives an email confirmation with order details and a transaction receipt.

2.11 Use-case: Review and rate products

Use-case name	Review and rate products
Brief description	This use case outlines the steps an actor takes to provide a review and rating for products on the StarBug's website
Actor	Customer

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Basic flow	1. The logged in actor is at the homepage of the StarBug's website. 2. The actor clicks the specific product. 3. The system returns the product details page. 4. The actor scroll down to find the section for reviews and ratings. 5. The actor writes a review and adds ratings. 6. The actor fills out the review form and assigns a star rating to the product. 7. The actor submits the review by clicking the "Submit" button. 8. The system saves the review to the database and updates the average rating of the product to 9. The system updates the product page to reflect the actor's review and rating.
Alternative flow	**Alternative 1: The actor uses the search function to find a specific product.** 1. From the step #1 of the basic flow, the actor clicks on the search bar. 2. The actor fills in the name of the product. 3. The system returns the results relative to the actor search. 4. The actor clicks on the wanted product. 5. The system returns the product details page. 6. Continue to step #3.
Pre-conditions	1. The actor is logged into StarBug's website.
Post-conditions	1. The actor's review and rating are successfully added to the product page. 2. Other actors can view and consider the review when making purchase decisions. 3. The average product rating will be updated based on the new review.

2.12 Use-case: Check status of order

Use-case name	Check status of order
Brief description	This use case outlines the steps an actor takes to check the status of their order on the StarBug's website.
Actor	Customer

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Basic flow	1. The actor logs into their account on StarBug's website. 2. Once logged in, the actor navigates to the "Order history" section. 3. The system displays a list of the actor's previous orders, including their status (e.g processing, finished) 4. The actor clicks on the specific order they want to check for more details. 5. The system provides a detailed view of the selected orders, including products, quantities, and the current status.
Alternative flow	**Alternative flow 1: Status of the order changes while the actor is in the "Order history" section.** 1. From step #2 of the basic flow, the actor needs to reload the page in order to view the change. 2. The system returns the newest update of the order. 3. Continue to step #3 of the basic flow.
Pre-conditions	1. The actor is logged into their account
Post-conditions	1. The customer has successfully checked the status of their order. 2. The system displays the current status, detailed information about the selected order.

2.13 Use-case: Change password

Use-case name	Change password
Brief description	This use case outlines the steps a customer takes to change their password on StarBug's website.
Actor	Customer
Basic flow	1. The registered actor logs into their account. 2. The actor navigates to profile settings. 3. The system displays the actor's account settings, including options for managing security settings. 4. The actor clicks on the "Manage account" button. 5. The system displays the popup for actor's information. 6. The actor clicks on the "Pencil" icon next to the password field. 7. The system prompts the actor to enter their current password and the new password. 8. The actor enters the required information. 9. The system validates the entered information. 10. If successful, the system updates the actor's password.

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Alternative flow	**Alternative flow 1: Forgot current password** 1. From step #8, if the actor forgot their current password. 2. The actor must use "Forgot password" feature to change to the new password.
Pre-conditions	1. The actor must be logged in into StarBug's website. 2. The actor must remember the current password.
Post-conditions	1. The actor has successfully changed their password. 2. The system updates the actor's account with the new password. 3. The actor can log in using the new password.

2.14 Use-case: Update information

Use-case name	Update information
Brief description	This use case outlines the steps a customer takes to update their information on the StarBug's website.
Actor	Customer
Basic flow	1. The registered actor logs into their account. 2. The actor navigates to profile settings. 3. The system displays the actor's account settings, including options for managing security settings. 4. The actor clicks on the "Manage account" button. 5. The system displays the popup for the actor's information. 6. The actor clicks on the "Pencil" icon next to the information field that they want to change (name, phone number, email). 7. The system prompts the actor to enter their new information. 8. The actor enters the required information. 9. The system validates email information. 10. The system updates the actor's information.
Alternative flow	**Alternative flow 1: Email Address update already existed.** 1. From step #9 of the basic flow, if the updated email address is already in the database, the system notices the actor about the existing email. 2. The actor changes the email address to a new address. 3. Continue to step #9 of the basic flow.
Pre-conditions	1. The actor must log in to StarBug's website.
Post-conditions	1. The actor has successfully changed their information. 2. The system updates the actor's account with the new information.

2.15 Use-case: Add slider promotion

Use-case name	Add slider promotion
Brief description	This use-case demonstrates the way the manager adds the slider or promotion from the website
Actor	Manager

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Basic flow	1. The actor needs to log in to the website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'slider/promotion' title 4. The system returns 'slider/promotion' with all the images for slider or promotion. 5. The actor clicks on the '+' button next to the slider header or promotion header in order to add slider or promotion respectively. 6. The system pops up a form requesting an image. 6. The actor inserts the image and clicks on the 'save' button. 7. The system saves the image on the database. 8. The system updates all the images for the 'slider/promotion' page in the manager site.
Alternative flow	**Alternative 1: There are currently 2 promotions** 1. The website can only display 2 promotions at the time, the manager adds the third promotion. 2. The system pops up a message to tell them to delete the old promotion in order to add a new one. 3. The manager deletes one promotion. 2. Continue step #5 from basic flow to add the new promotion after deleting the old one.
Pre-conditions	1. The manager can go to the admin site page
Post-conditions	1. The manager successfully remove the slider in the database

2.16 Use-case: Delete slider promotion

Use-case name	Delete slider promotion
Brief description	This use-case demonstrates the way the manager removes the slider or promotion from the website
Actor	Manager
Basic flow	1. The actor needs to log in to the website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'slider/promotion' title. 4. The system returns all the images for slider or promotion. 5. The actor chooses one slider or promotion and clicks on the 'Delete' button. 6. One pop-up form appears to confirm it's not a misclick. 7. The actor clicks on the 'Yes' button. 8. The system removes the slider or promotion in the database. 9. The system removes the image of the deleted slider or promotion at the manager sites.

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Alternative flow	**Alternative 1: The manager clicks the 'Delete' button as a mistake** 1. From step 6, the manager clicks on the 'No' button. 2. The system returns the manager back to the 'slider/promotion' page
Pre-conditions	1. The manager can go to the admin site page
Post-conditions	1. The manager successfully remove the slider in the database

2.17 Use-case: Add staff account

Use-case name	Add staff account
Brief description	The use-case describes how the manager can add the new staff account
Actor	Cafeteria manager
Basic flow	1. The actor needs to log in to the website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'staff' title. 4. The system returns the grid containing the information of staff (name, email, birthdate, which branch the staff work for) with the 'Add' button. 5. The actor clicks the 'Add' button. 6. The system returns the pop-up form requesting staff information (name, email, birthdate, which branch the staff work for). 7. The manager enters the staff information and clicks the 'Save' button. 8. The system saves the staff information with automatically generated staff id, and password (based on staff birthdate) 9. The system updates the grid of staff account from the manager's view.
Alternative flow	**Alternative 1: The manager enters the email that already exists on the database** 1. From step #7 in the basic flow, the system returns the message to tell the manager that the email already exists 2. The manager changes the email address. 3. continue to step #8 from the basic flow.
Pre-conditions	1. The manager can go to the admin site page
Post-conditions	1. The manager successfully add the staff account to the database

2.18 Use-case: Update staff account

Use-case name	Update staff account
Brief description	The use-case describes how the manager can change the information in staff account
Actor	Cafeteria manager

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Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'staff' title. 4. The system returns the grid containing the information of staff (name, email, birthdate, which branch the staff work for) with the 'Add' button. 5. The actor clicks the 'Edit' button. 6. The system returns the pop-up form with all current staff information (id, name, email, birthdate, which branch the staff work for). 7. The manager can change the name, birthdate, the branch that the staff work for, and click on Save 'Button'. 8. The system saves the staff information. 9. The system updates the grid of staff accounts from the manager's view.
Alternative flow	**Alternative 1: The manager enters the email that already exists on the database** 1. From step #7 in the basic flow, the system returns the message to tell the manager that the email already exists 2. The manager changes the email address. 3. continue to step #8 from the basic flow.
Pre-conditions	1. The manager can go to the admin site page
Post-conditions	1. The manager successfully change the staff information and save it to the database

2.19 Use-case: Delete staff account

Use-case name	Delete staff account
Brief description	The use-case describes how the manager can delete the staff account
Actor	Cafeteria manager
Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'staff' title. 4. The system returns the grid containing the information of staff (name, email, birthdate, which branch the staff work for) 5. The actor chooses one staff and clicks on the delete button. 6. One pop-up form appears to confirm it's not a misclick. 7. The actor clicks on the 'Yes' button. 8. The system removes the staff account from the database 9. The system updates the grid of staff account at manager view

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Alternative flow	**Alternative 1: The manager clicks the 'Delete' button as a mistake** 1. From step 6, the manager clicks on the 'No' button. 2. The system returns the manager back to the 'staff' page Alternative 2: The manager wants to find the staff account by searching staff name 1. From step #4 in basic flow, the manager clicks on the search bar and enter the staff name 2. The system returns the grid of all staff that have a relative name. 3. Continue the #5 steps from the basic flow.
Pre-conditions	1. The manager can go to the admin site page
Post-conditions	1. The manager successfully remove the staff account from the database

2.20 Use-case: Add product

Use-case name	Add product
Brief description	This use-case demonstrates the way the manager adds product in the database.
Actor	Manager
Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'product' title. 4. The system returns the grid of products displaying the detailed information (id, name, price, is it best-selling product) 5. The actor clicks on the 'Add' button. 6. The system returns the form requesting for product information (name, category, price, description, topping, price for topping, image of product) 7. The manager enters all the product information and clicks 'Save' button 8. The system saves the record in the database with automatically generated product id. 9. The system updates the grid system from the manager's view.
Alternative flow	**Alternative 1: The new product's name already exists** **1. From step #7 from the basic flow, the system returns the caution that the item name already exists and whether the manager wants to keep.** **2.** **- If the manager clicks on 'Yes', the flow continues to step #8 from the basic flow.** **- If the manager clicks on 'No', the manager needs to change the item name and the flow will continue to step #8 from the basic flow.**
Pre-conditions	1. The manager goes to the manager site page
Post-conditions	1. The product is added to the database

2.21 Use-case: Update product

Use-case name	Update product
Brief description	This use-case demonstrates the way the manager can edit the information of one product in the database.
Actor	Manager

Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'product' title. 4. The system returns the grid of products displaying the detailed information (id, name, price, is it best-selling product) 5. The actor chooses one product and clicks on the 'Edit' button. 6. The system returns the form with all the current information (name, category, price, description, topping, price for topping, image of product) 7. The manager can change all information fields and clicks 'Save' button 8. The system saves the record in the database. 9. The system updates the grid system from the manager's view.
Alternative flow	**Alternative 1: The new product's name already exists** **1. From step #7 from the basic flow, the system returns the caution that the item name already exists and whether the manager wants to keep.** **2.** **- If the manager clicks on 'Yes', the flow continues to step #8 from the basic flow.** **- If the manager clicks on 'No', the manager needs to change the item name and the flow will continue to step #8 from the basic flow.**
Pre-conditions	1. The manager goes to the manager site page
Post-conditions	1. The new product information is saved in the database

2.22 Use-case: Delete product

Use-case name	Delete product
Brief description	This use-case demonstrates the way the manager removes products from the database.
Actor	Manager
Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'product' title. 4. The system returns the grid of products displaying the detailed information (id, name, price, is it best-selling product) 5. The actor chooses one product and clicks on 'Delete' button. 6. One pop-up form appears to confirm it's not a misclick. 7. The actor clicks on the 'Yes' button. 8. The system removes the product from the database. 9. The system updates the grid system at the manager view

Alternative flow	**Alternative 1: The manager clicks the 'Delete' button as a mistake** 1. From step 6, the manager clicks on the 'No' button. 2. The system returns the manager back to the 'staff' page Alternative 2: The manager wants to find product by searching its name 1. From step #4 of basic flow, the manager clicks on the search bar and enters the product name. 2. The system returns the grid of all products that have a relative name. 3. Continue the #5 step from the basic flow.
Pre-conditions	1. The manager goes to the manager site page
Post-conditions	1. The product is removed from the database

2.23 Use-case: choose 3 best-selling products

Use-case name	Choose best-selling product
Brief description	This use-case demonstrates the way the manager can choose the best-selling product, to give that product a special look on the website
Actor	Manager
Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'product' title. 4. The system returns the grid of products displaying the detailed information (id, name, price, is it best-selling product) 5. The manager double-clicks on the item that he/she wants it to be a best-selling product. 6. The system saves the selection in the database. 7. The system updates the grid system from the manager's view (give a selection a special look).
Alternative flow	**Alternative 1: There are already 3 best-selling products** 1. From step #5 of the basic flow, the system returns the caution that there are already 3 best-sellings products and the system was designed to have 3 special items, the manager needs to deselect one of them. 2. The manager deselects one best-selling product. 3. Continue to step #5 from the basic flow
Pre-conditions	1. The manager goes to the manager site page
Post-conditions	1. The system update one product as the best-selling product and save information in database

2.24 Use-case: View statistical report

Use-case name	View statistical report
Brief description	This use-case describes how the manager can view the statistic to evaluate the business.
Actor	Manager

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Basic flow	1. The actor needs to log in to website as a manager account 2. The system returns the manager interfaces. 3. The actor clicks on the 'Report' title. 4. The system returns the Report page containing + The chart demonstrates the sold-out number of each product + The revenue of online shopping according to the period (week, month, year). + The chart for the number of successful orders and unsuccessful orders.
Alternative flow	**Alternative 1: The new product's name already exists** **1. From step #7 from the basic flow, the system returns the caution that the item name already exists and whether the manager wants to keep.** **2.** **- If the manager clicks on 'Yes', the flow continues to step #8 from the basic flow.** **- If the manager clicks on 'No', the manager needs to change the item name and the flow will continue to step #8 from the basic flow.**
Pre-conditions	1. The manager goes to the manager site page
Post-conditions	1. The new product information is saved in the database

2.25 Use-case: Finish order

Use-case name	Finish order
Brief description	This use-case describes how the manager/staff mark the order as complete and notice their customer that the order are ready to be delivered
Actor	manager or staff
Basic flow	1. The actor need to log in to website as a manager or staff account 2. The system return the admin interface, the manager have the same interface as staff instead of some page for manager features 3. The actor click on the 'order' page 4. The system returns the grid system of order containing some detail information (customer, destination address, product list, note from customer) 5. The actor chooses one order and clicks on 'Finish' button. 6. The system moves the order to complete-order collection(table) in the database and increases the number of sold-out for each product in the order. (this data is used for statistic). 7. The system removes that order in the table at the staff and manager view 8. The system also updates the order history in customer view as their order has been

	completed and ready to be delivered.
Alternative flow	**Alternative flow 1: New-coming order does not appear in table at staff/manager view** 1. From step 4, if the new order that the actor wants to delete is not in the table, the actor waits for 5 seconds. 2. The system fetch a new table every 5 seconds and replaces the current table. 3. Continue to step 5.
Pre-conditions	1. The manager/staff goes to the admin site page 2. The database must be working properly.
Post-conditions	1. The table at manager/staff view is updated. 2. The order in history at customer view is updated as it was declined with the explanation. 3. One record is saved in the complete-order collection and the quantity of sold-out for each product in order is increased.

2.26 Use-case: Finish order

Use-case name	Decline order
Brief description	This use-case describes how the cafeteria staff or manager decline the customer order because of some reason (lack of ingredient, the customer want to cancel the order)
Actor	staff, manager
Basic flow	1. The actor need to log in to website as a manager or staff account 2. The system return the admin interface, the manager have the same interface as staff instead of some page for manager features 3. The actor click on the 'order' page 4. The system returns the table of order with each row is the information of each order (customer, destination address, product list, note from customer) 5. The actor chooses one order and clicks on 'Delete' button 6. The system notices them with a pop-up to make sure it's not a misclick and asks for the reason why the order is deleted. 7. The actor enters the reason and chooses the 'yes' button. 8. The system the deleted order to incomplete-order collection(table) in the database for later statistic purpose and also remove that order in the table at the staff and manager view 9. The system also updates the order history in customer view and displays the reason why their order is deleted.

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Alternative flow	**Alternative flow 1: New-coming order does not appear in table** 1. From step 4, if the new order that the actor wants to delete is not in the table, the actor waits for 5 seconds. 2. The system fetches a new table every 5 seconds and replaces the current table. 3. Continue to step 5.
Pre-conditions	1. The manager/staff goes to the admin site page 2. The database must be working properly.
Post-conditions	1. The table at manager/staff view is updated 2. The order in history at customer view is updated as it was declined with the explanation

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