Coding Kittens

**BuyMee
Use-Case Specification: Sign up**

Version 1.1

Revision History

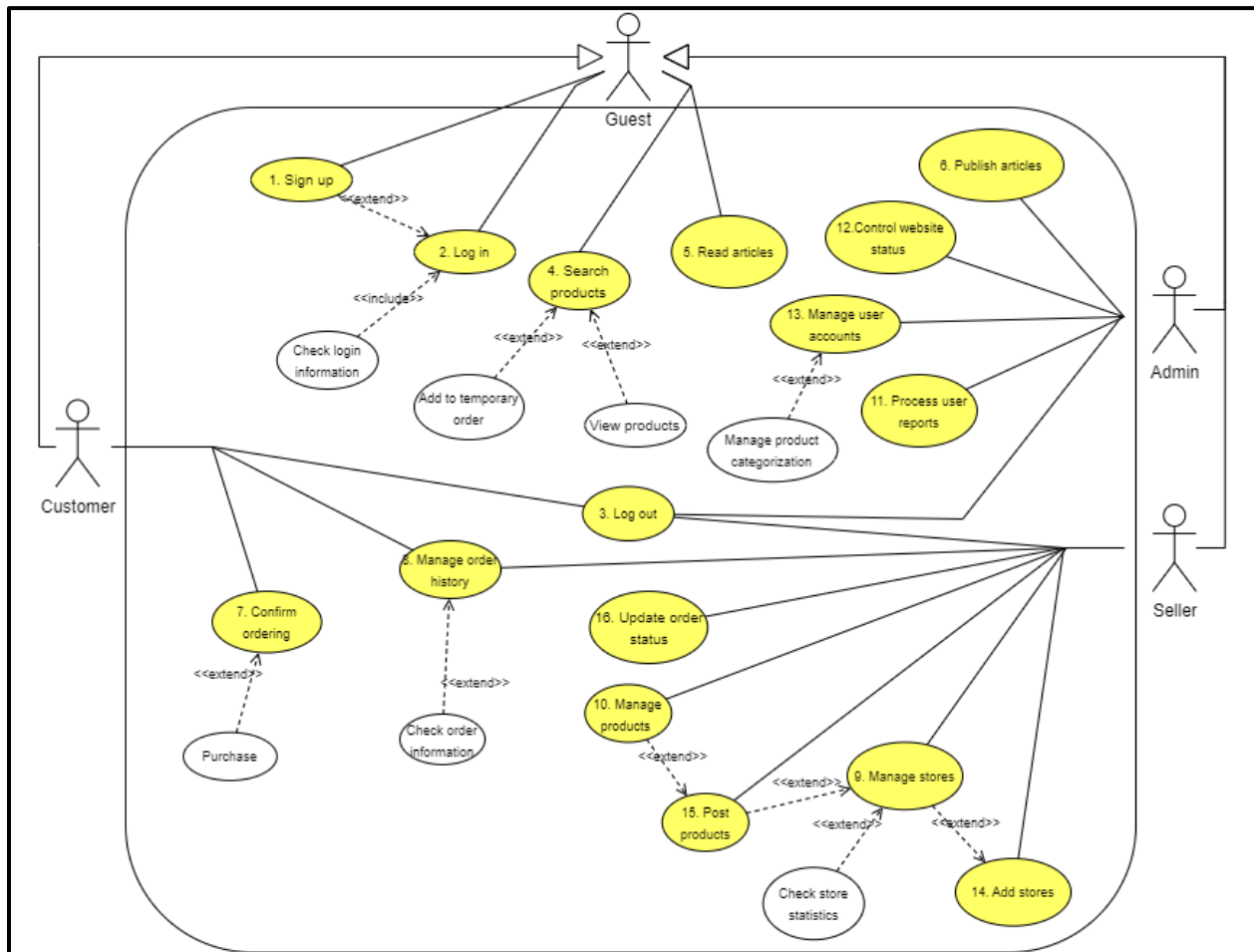| Date	Version	Description	Author
21/07/2023	1.0	Information fill-ins	Lâm Thiều Huy
03/08/2023	1.1	Table of contents update	Nguyễn Thế Thiện

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Use-Case Specification: Sign up

1. Use-Case Name: Sign up

1.1 Brief Description

This use case allows a guest (a customer without logging in) to create a new account and become a registered customer on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. The guest clicks on the "Sign Up" button on the website.

2. The system presents a registration form to the guest, prompting them to enter their desired username, email address, and password.

3. The guest fills in the required information and submits the form.

4. The system validates the provided information, ensuring the username and email address are unique and meet the required criteria.

5. If the validation is successful, the system creates a new customer account, and the guest becomes a registered customer.

6. The system displays a success message and automatically logs in the newly registered customer.

7. The customer can now access additional features and functionalities available to registered users.

2.2 Alternative Flows

Invalid Information:

- If the guest provides invalid information (e.g., non-unique username or email), the system displays an error message asking the guest to correct the errors and resubmit the form.

3. Special Requirements

The registration form should include password requirements (e.g., minimum length, alphanumeric characters) to ensure the security of customer accounts.

4. Preconditions

None.

5. Postconditions

The guest becomes a registered customer with a unique account on the platform.

6. Extension Points

None.

Coding Kittens

BuyMee
Use-Case Specification: Log In

Version 1.1

Revision History

Date	Version	Description	Author
21/07/2023	1.0	Information fill-ins	Lâm Thiều Huy
03/08/2023	1.1	Minor changes (not related to contents)	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Log In

1. Use-Case Name: Log In

1.1 Brief Description

This use case allows registered customers to log in to their accounts on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. The customer enters their username and password in the provided login form and clicks the "Log In" button.
2. The system verifies the entered credentials with the stored customer account information.
3. If the credentials are correct, the system logs the customer into their account and redirects them to the homepage or the last visited page.
4. If the credentials are incorrect, the system displays an error message asking the customer to re-enter the correct username and password.

2.2 Alternative Flows

Forgotten Password:
- If the customer forgets their password, they can click on the "Forgot Password" link.
- The system presents a password reset form and prompts the customer to enter their email address.
- Upon submission, the system sends a password reset link to the customer's email address.
- The customer can click on the link to reset their password and regain access to their account.

3. Special Requirements

The platform should implement security measures, such as account lockout after multiple failed login attempts, to prevent brute force attacks.

4. Preconditions

The customer must have a registered account on the platform.

5. Postconditions

The customer successfully logs in and gains access to their account.

6. Extension Points

None.

Coding Kittens

BuyMee
Use-Case Specification: Log out.

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Nguyễn Thế Thiện
03/08/2023	1.1	Remove diagram, extra minor changes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Log out

1. Use-Case Name

1.1 Brief Description

This use case allows a logged-in user to log out and end their current session on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. The user clicks on the "Log Out" button, typically located in the account settings or navigation menu.

2. The system clears the user's session and logs them out of the platform.

3. The system redirects the user to the homepage.

4. The customer is now logged out and cannot access any user-specific features until they log in again.

2.2 Alternative Flows

None.

3. Special Requirements

None.

4. Preconditions

4.1 The user must be logged in to any type of account and have an active session on the platform.

5. Postconditions

5.1 The user's session is terminated, unsaved changes will be deleted.

5.2 The user is brought back to the website homepage.

5.3 The user will be using the platform in guest mode.

6. Extension Points

None.

**BuyMee
Use-Case Specification: Search products.**

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Nguyễn Thế Thiện
03/08/2023	1.1	Remove diagram, extra minor changes	Nguyễn Thế Thiện

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Use-Case Specification: Search products

1. Use-Case Name

1.1 Brief Description

This use case allows a user to search for products on the e-commerce platform based on specific criteria or keywords.

2. Flow of Events

2.1 Basic Flow

1. The user enters the desired keywords then presses Enter key or the search icon.

2. The system processes the search query and retrieves relevant products that match the input.

3. The system displays the search results, showing the product names, images, and brief descriptions.

2.2 Alternative Flows

2.2.1 Alternative Flow 1: No search results

1. Step 2 of the basic flow, the system finds no results that match the input.
2. The system displays the error message "No search results found, try another search keyword instead." and does not display any product.

3. Special Requirements

3.1 The search functionality should be optimized for efficiency and tolerable accuracy, providing quick and relevant results to enhance the user experience.

4. Preconditions

4.1 The user must be online during the use of the website.

4.2 The user must be on a website page where the search bar for product searching is available.

5. Postconditions

5.1 The screen presents a list of products as the search results including product names, images, and brief descriptions.

5.2 The screen still presents the main task bar from the upper part of the home page, including the search bar where the keyword used to search is not deleted.

6. Extension Points

6.1 View products:

- When there are search results for the keyword input and the system displays those results to the user (Basic Flow: step 2), the user could click on a product to reveal more information about it.

6.2 Add to temporary order:

- When there are search results for the keyword input and the system displays those results to the user

(Basic Flow: step 2), the user could click on the "add to order" button on a product to add to a temporary order for the current session for ordering confirmations later.

BuyMee
Use-Case Specification: Read articles.

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Nguyễn Thế Thiện
03/08/2023	1.1	Remove diagram, extra minor changes	Nguyễn Thế Thiện

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Use-Case Specification: Read articles

1. Use-Case Name

1.1 Brief Description

This use case allows a user to read published educational pet- articles from the administrators of the website.

2. Flow of Events

2.1 Basic Flow

1. The user navigates to the "Articles" section of the platform by clicking on the Articles button on the home page.

2. The system displays a list of available articles, sorted default by time (newest shows up first).

3. The user clicks on a specific article to read the full content.

2.2 Alternative Flows

2.2.1 Alternative flow 1: home page.

1. The user clicks on the home page button after step 1, 2 or 3 to get back to the website home page.

2.2.2 Alternative flow 2: back to list of articles.

1. The user clicks the "Back" button on step 3 to get back to the articles list screen.

3. Special Requirements

3.1 The article screen shall be designed beautifully while being simple enough that the user would not find it difficult to read.

3.2 The articles shall not be too long and provide scientifically correct information, guides on pet caring and related things, and shall be written in English.

3.3 The articles shall have the references listed and the article poster username written at the end of the article, with time and date of the last update on the article.

4. Preconditions

4.1 The user must be online during the loading of this feature.

4.2 The user must be on a website page where the selection of 'Article' section is available.

5. Postconditions

5.1 The screen presents text in English with backgrounds and images.

6. Extension Points

None.

Coding Kittens

BuyMee
Use-Case Specification: Publish articles
Version 1.1

Revision History

Date	Version	Description	Author
21/07/2023	1.0	Document completion	Phan Lý Bảo Hạnh
03/08/2023	1.1	Remove diagram, extra minor changes	Nguyễn Thế Thiện

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Use-Case Specification: < Publish articles>

1. Use-Case Name

1.1 Brief Description

This use case allows authorized users, such as administrators and selected content creators, to publish new articles related to pet care, training, and health on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. An authorized user logs in to their account on the platform.
2. The user navigates to the content management section or the "Publish Articles" feature.
3. The system presents a form for creating a new article, prompting the user to enter the article's title, content, category, and any relevant tags.
4. The user fills in the required information and submits the form.
5. The system validates the article content to ensure it meets the platform's guidelines and standards.
6. If the validation is successful, the system publishes the article and makes it available to users on the "Articles" section of the platform.
7. The article becomes accessible to all customers and guests, who can read it for educational purposes.

2.2 Alternative Flows

None.

3. Special Requirements

3.1 The platform should implement content moderation to review and approve articles before they are published to ensure the quality and accuracy of information.

4. Preconditions

4.1 The user must have the appropriate permissions and authorization to publish articles on the platform.

5. Postconditions

5.1 The article is published and visible to all users.

6. Extension Points

None.

BuyMee
Use-Case Specification: Confirm ordering
Version 1.1

Revision History

Date	Version	Description	Author
21/07/2023	1.0	Document completion	Phan Lý Bảo Hạnh
03/08/2023	1.1	Remove diagram, minor changes	Nguyễn Thế Thiện

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Use-Case Specification: Confirm order

1. Use-Case Name

1.1 Brief Description

This use case allows customers to confirm and place orders for products they have selected on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. The customer adds products to their shopping cart by clicking on the "Add to Cart" button on each product's page.
2. The customer reviews the items in their cart and proceeds to the checkout page.
3. The system presents an order summary, including the list of products, quantities, and the total order amount.
4. The customer verifies the order details and clicks the "Confirm Order" button.
5. The system prompts the customer to choose a preferred payment method (e.g., credit card, PayPal, cash on delivery).
6. The customer selects their preferred payment method and provides any necessary payment details.
7. The system processes the payment and confirms the successful order placement.
8. The system sends an order confirmation email to the customer, containing the order details and payment receipt.

2.2 Alternative Flows

None.

3. Special Requirements

3.1 The platform should provide secure and encrypted payment processing to ensure the safety of customer's payment information.

4. Preconditions

4.1 The customer must be logged in to place an order.

5. Postconditions

5.1 The order is successfully placed, and the customer receives an order confirmation email.

6. Extension Points

None.

BuyMee
Use-Case Specification: Manage Order History
Version 1.1

Revision History

Date	Version	Description	Author
21/07/2023	1.0	Document completion	Phan Lý Bảo Hạnh
03/08/2023	1.1	Remove diagram, minor changes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Manage Order History

1. Use-Case Name

1.1 Brief Description

This use case allows customers to manage and view their order history on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. The user logs in to their account on the platform.
2. The user navigates to the "Order History" or "My Orders" section.
3. The system retrieves and displays a list of the user's past orders, including order numbers, dates, and status (e.g., delivered, in transit).
4. The user can choose to remove some orders from the history by clicking on "Remove order".

2.2 Alternative Flows

None.

3. Special Requirements

3.1 The order history should be regularly updated and maintained to provide accurate and up-to-date information to customers.

4. Preconditions

4.1 The customer must be logged in to access their order history.

5. Postconditions

5.1 None.

6. Extension Points

6.1 View order information.
- The user clicks on an order on the current list displayed.
- The screen displays the contents of such order.

BuyMee
Use-Case Specification: Manage Store
Version 1.1

Revision History

Date	Version	Description	Author
21/07/2023	1.0	Document completion	Phan Lý Bảo Hạnh
03/08/2023	1.1	Remove diagram, minor changes	Nguyễn Thế Thiện

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Use-Case Specification: Manage Store

1. Use-Case Name

1.1 Brief Description

This use case allows sellers to manage their online store on the e-commerce platform, including store details and settings.

2. Flow of Events

2.1 Basic Flow

1. The seller logs in to their account on the platform.
2. The seller navigates to the "Manage Store" or "Seller Dashboard" section.
3. The system presents a dashboard where the seller can view and edit store information, including the store name, description, contact details, and profile picture.
4. The seller can make changes to the store details and save the updates.
5. The system validates the changes and updates the store information accordingly.

2.2 Alternative Flows

None.

3. Special Requirements

3.1 Sellers should have access to various customization options to personalize their store's appearance and branding.

4. Preconditions

4.1 The seller must be logged in to access the store management features.

5. Postconditions

5.1 The store information is updated with the changes made by the seller.

6. Extension Points

None.

**BuyMee
Use-Case Specification: Manage Product**

Version 1.1

Revision History

Date	Version	Description	Author
18/07/2023	1.0	Use case specification	Đinh Hoàng Duy
03/08/2023	1.1	Remove diagram, minor changes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Manage Product

1.   Use-Case: Manage Product

1.1   Brief Description

This use case allows sellers to manage their products and inventory on the e-commerce platform.

2.   Flow of Events

2.1   Basic Flow

1. The seller logs in to their account on the platform.
2. The seller navigates to the "Manage Products" or "Product Management" section.
3. The system displays a list of the seller's existing products, including product names, descriptions, prices, and availability.
4. The seller can add new products by filling out a product form with required details.
5. The seller can edit existing products by selecting a product from the list and making changes to its information.
6. The seller can remove products that are no longer available for sale.
7. The system validates the product information and updates the product list accordingly.

2.2   Alternative Flows

None.

3.   Special Requirements

The platform should implement inventory management features to track product availability and prevent overselling.

4.   Preconditions

The seller must be logged in to access the product management features.

5.   Postconditions

The product list is updated with any changes made by the seller.

6.   Extension Points

None.

**BuyMee
Use-Case Specification: Process User Reports**

Version 1.1

Revision History

Date	Version	Description	Author
18/07/2023	1.0	Use case specification	Đinh Hoàng Duy
03/08/2023	1.1	Remove diagram and minor changes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Process User Reports

1. Use-Case: Process User Reports

1.1 Brief Description

This use case allows administrators to handle and process user reports and feedback regarding products, sellers, or any other issues on the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. An administrator logs in to their account on the platform.
2. The administrator accesses the "User Reports" or "Report Management" section.
3. The system presents a list of user-generated reports and feedback.
4. The administrator can review the reported items or issues and take appropriate actions, such as contacting sellers, investigating complaints, or resolving disputes.
5. Once the issues are addressed, the administrator can mark the reports as resolved or closed.

2.2 Alternative Flows

None.

3. Special Requirements

The platform should provide a streamlined process for administrators to manage and respond to user reports promptly.

4. Preconditions

The administrator must be logged in to access the report management features.

5. Postconditions

User reports and feedback are addressed and appropriately resolved.

6. Extension Points

None.

BuyMee
Use-Case Specification: Control Website Status

Version 1.1

Revision History

Date	Version	Description	Author
18/07/2023	1.0	Use case specification	Đinh Hoàng Duy
03/08/2023	1.1	Remove diagram	Nguyễn Thế Thiện

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Use-Case Specification: Control Website Status

1. Use-Case: Control Website Status

1.1 Brief Description

This use case allows administrators to manage the operating state of the e-commerce website, such as putting it under maintenance, updating system components, or bringing it back online after maintenance.

2. Flow of Events

2.1 Basic Flow

1. An administrator logs in to their account on the platform.
2. The administrator accesses the "Website Status Control" or "Maintenance" section.
3. The system provides options for controlling the website status, such as "Under Maintenance," "Online," or "Offline."
4. The administrator selects the desired status (e.g., "Under Maintenance") and confirms the change.
5. When the website is under maintenance, the system displays a maintenance page to users, informing them of the temporary unavailability and the expected duration.
6. After completing maintenance tasks, the administrator can set the website status back to "Online," making it accessible to users again.

2.2 Alternative Flows

None.

3. Special Requirements

The platform should notify users in advance about scheduled maintenance to minimize inconvenience.

4. Preconditions

The administrator must be logged in to access the website status control features.

5. Postconditions

The website status is changed as per the administrator's selection.

6. Extension Points

None.

BuyMee
Use-Case Specification: Manage accounts.

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Đinh Hoàng Duy
03/08/2023	1.1	Remove diagram	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Manage accounts

1.   Use-Case Name

1.1   Brief Description

This use case allows administrators to manage user accounts, including customers, sellers, and other platform users.

2.   Flow of Events

2.1   Basic Flow

1. An administrator logs in to their account on the platform.

2. The administrator accesses the "User Account Management" or "Admin Dashboard" section.

3. The system presents a list of user accounts, categorized by roles (e.g., customers, sellers, administrators).

4. The administrator can perform various account management actions, such as approving new seller accounts, resetting passwords, or deactivating inactive accounts.

5. The administrator saves any changes made to user accounts, and the system updates the account details accordingly.

2.2   Alternative Flows

None.

3.   Special Requirements

The platform should implement security measures to protect user account information and prevent unauthorized access.

4.   Preconditions

The administrator must be logged in to access the user account management features.

5.   Postconditions

User account information is updated based on the administrator's actions.

6.   Extension Points

None.

BuyMee
Use-Case Specification: Add stores.

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Đinh Hoàng Duy
03/08/2023	1.1	Remove diagram, minor fixes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Add store

1. Use-Case Name

1.1 Brief Description

This use case allows qualified sellers to add their online store to the e-commerce platform.

2. Flow of Events

2.1 Basic Flow

1. A seller logs in to their account on the platform.

2. The seller accesses the "Add Store" or "Become a Seller" section.

3. The system presents a store registration form, requesting the seller to provide necessary details about the store, such as the store name, description, logo, and contact information.

4. The seller fills in the required information and submits the registration form.

5. The system validates the provided information, ensuring all required fields are filled and that the store name is unique.

6. If the validation is successful, the system creates a new store for the seller and adds it to the platform.

7. The seller can now access store management features and start listing products for sale.

2.2 Alternative Flows

2.2.1 Invalid information

If the seller provides invalid or incomplete information, the system displays an error message asking the seller to correct the errors and resubmit the form.

3. Special Requirements

The platform should implement a seller verification process to ensure the authenticity and legitimacy of registered stores.

4. Preconditions

The seller must be logged in to access the "Add Store" feature.

5. Postconditions

The seller's store is successfully added to the platform.

6. Extension Points

None.

BuyMee
Use-Case Specification: Post products.

Version 1.1

Revision History

Date	Version	Description	Author
22/07/2023	1.0	Document fill-ins	Nguyễn Thế Thiện
03/08/2023	1.1	Remove diagram, minor fixes	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Post products

1. Use-Case Name

1.1 Brief Description

This use case allows a seller to post products for sale on the website.

2. Flow of Events

2.1 Basic Flow

1. The seller clicks on "Add product" on their store management screen.

2. The seller fills in information and images required for a product to be sold.

3. The seller confirms the product information.

4. The product information is saved into the server database.

2.2 Alternative Flows

2.2.1 Alternative flow: Leaving product information fill-ins.

1. During the process of filling in information about the product, the user presses to go to a different section of the website.
2. The website asks if the user wants to advance or cancel the adding product process.

2.2.1.1 The user agrees to advance.

1. The website displays the screen of such feature the user wanted to get to, and the temporary data for the product adding form is deleted.

2.2.1.2 The user declines.

1. The website stays at the current page, the temporary data for the product adding form is not deleted.

3. Special Requirements

3.1 The product adding form shall be clear and simple enough.

3.2 The form must consist of essential product information including product name, image, a brief description of the product.

3.3 The user must be signed into a Seller account.

4.   Preconditions

4.1   The user must be online during the use of the website.

4.2   The user must be on the store management screen of the website.

5.   Postconditions

5.1   The screen presents a list of available products of the store where the user added the product to.

6.   Extension Points

6.1   Manage products

-   From the list of products available on the website for a store, the user could choose to manage and update products information.

**BuyMee
Use-Case Specification: Update order status.**

Version 1.1

Revision History

Date	Version	Description	Author
03/08/2023	1.0	Document fill-ins	Nguyễn Thế Thiện

Table of Contents

Use-Case Specification: Update order status

1. Use-Case Name

1.1 Brief Description

This use case allows sellers to manually update the status of orders received from the customers.

2. Flow of Events

2.1 Basic Flow

1. The user logged into a seller account clicks on "View order" on their store order management page (see Use Case: Manage Order History).

2. The seller presses the button indicating the current order status which would show the other statuses possible for change.

3. The seller clicks on another order status to get the change done.

4. The button for saving changes lights up and the seller can press the button.

5. The seller presses the 'save changes' button to confirm order status changes and new changes are sent to server for updating.

6. The server compares the new changes to the old information to check if they are different.

7. If they are different, the new information is saved into the database and the customer who is related to the order is notified.

2.2 Alternative Flows

2.2.1 *Alternative flow: Leaving during status changes.*

1. During the process of changing the information, the user presses to go to a different section of the website.
2. The website asks if the user wants to advance or cancel the current process, and reminds the user that changes would not be saved if the user does not hit the 'save changes' button.

2.2.1.1 The user agrees to advance.

1. The website displays the feature the user wanted to go.

2.2.1.2 The user declines.

1. The website stays at the current page.

3. Special Requirements

3.1 The design for this feature, including confirmation messages must be simple and clean.

3.2 The customer related to the order, if receives a notification about changes, shall receive it in less than 1 minute after the change is saved.

3.3 The user must be signed into a Seller account.

4.   Preconditions

4.1   The user must be online during the use of the website.

4.2   The user must be on the order management screen of the website.

5.   Postconditions

5.1   The screen stays at the same page.

5.2   A 'changes saved' confirmation message is shown to the user.

6.   Extension Points

None.