Software Requirements Specification

For

BirdFood

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I. Introduction

1. Purpose

BirdFood is an online platform connecting bird enthusiasts and food suppliers. It aims to provide a convenient and reliable environment for users to find and purchase suitable bird food. Users can access detailed product information, including images, descriptions, prices, and ratings. The website also features a community forum for sharing experiences and knowledge. BirdFood prioritizes user security and privacy. Its goal is to become a leading destination for bird lovers and food suppliers.

2. Document Conventions

The functional requirements for this project are organized by use case within user class.

3. Project Vision and Product Scope

A. Vision Statement

Our vision at BirdFood is to create a world where every bird receives the nourishment it needs to thrive. We strive to be the leading platform that connects bird enthusiasts with high-quality, diverse, and nutritious bird food options. Through our commitment to convenience, reliability, and community engagement, we aim to enhance the well-being and happiness of both pet birds and their owners. We envision a future where bird lovers can easily access the best bird food products, share knowledge, and contribute to the overall welfare of avian companions.

B. Product Scope

The product scope of BirdFood encompasses the features, functionalities, and boundaries of the BirdFood platform. It defines what the BirdFood product includes and what it does not include.

The product scope of BirdFood may evolve over time based on user feedback, market demands, and business strategies. It is important to define and communicate the product scope clearly to ensure alignment among stakeholders and to manage expectations regarding the features and functionalities of the BirdFood platform.

II. Overall Description

1. Header

- UC-1.1: Logo
- UC-1.2: NavLink
- UC-1.3: Open cart
- UC-1.4: Popup selection in avatar

2. Main Home

- UC-2.1: View hero Item
- UC-2.2: Home Slider
- UC-2.3: Fillter Section

3. Login Page

- UC-3.1: Login with form
- UC-3.2: Create with form
- UC-3.3: Login with google

4. Cart

- UC-4.1: Add item
- UC-4.2: Plus item
- UC-4.3: Minus item
- UC-4.4: Empty Cart
- UC-4.5: Check out
- UC-4.6: Close Cart

5. Checkout

- UC-5.1: Overview
- UC-5.2: Payment
- UC-5.3: Checkout success

6. DBRight Section

- UC-6.1: Logo Header
- UC-6.2: NavLink
- UC-6.3: Help Center

7. DBHeader

UC-7.1: Welcome Title

UC-7.2: Search

UC-7.3: Notify

UC-7.4: Avartar

UC-7.5: Logout

8. DBLeft Section

UC-8.2: DBHome

UC-8.3: DB Orders

UC-8.4: DBItems

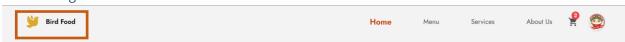
UC-8.5: New Items

UC-8.6: List User

III. Funtion requirements

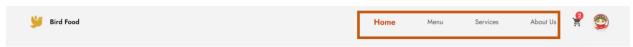
1. Header

UC-1.1: Logo



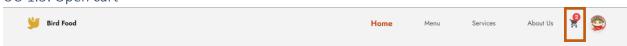
- Function trigger: Directed if user click
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Help users can redirect the homepage
 - > Data processing: The system checks if the address exists and then redirects the user
- ❖ Function details: When the user clicks on the logo, the user will be redirected to the homepage

UC-1.2: NavLink



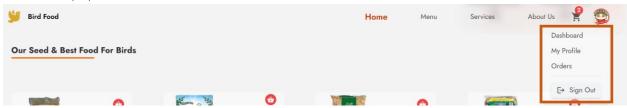
- Function trigger: Directed if user click
- Function description:
 - > Roles: Guest, Customer, Admin
 - Purpose: Help users can redirect the Home, Menu, Services, About Us
 - > Data processing: The system checks if the address exists and then redirects the user
 - Function details: When the user clicks on the Home, Menu, Services, About Us, the user will be redirected to the Home, Menu, Services, About Us

UC-1.3: Open cart



- Function trigger: When the user click cart
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Open Cart
 - > Data processing: View cart and modify minus or plus item
- Function details: Open cart and user can modify card

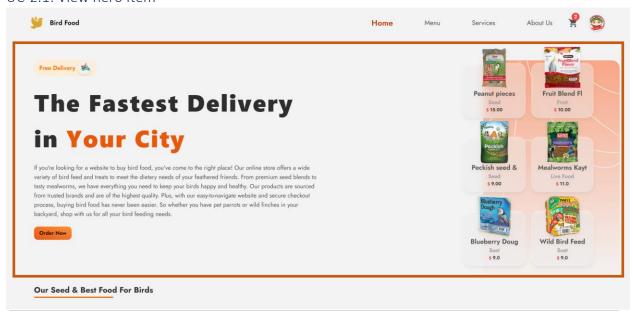
UC-1.4: Popup selection in avatar



- Function trigger: When user hover avatar
- Function description:
 - > Roles: Guest, Customer, Admin
 - Purpose: Open Seclection for user can choose and forward page
 - > Data processing: View dashboard, profile, order and sign out if user want to sign out
- Function details: System check rold user if admin add a selection dashboard and admin can click to redirect dashboard, User can redirect profile, orders and signout

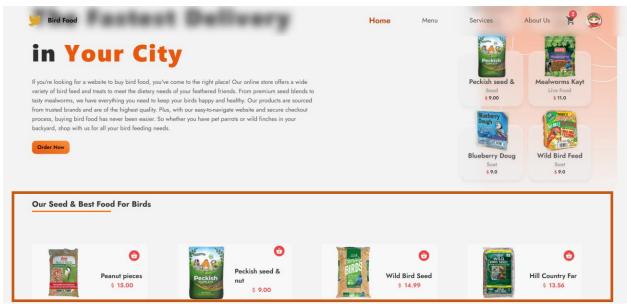
2. Main Home

UC-2.1: View hero Item



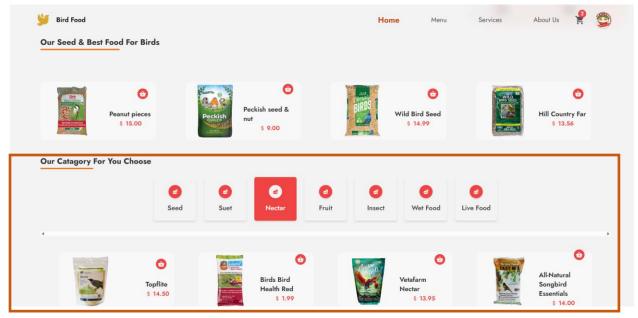
- Function trigger: View best product or best seller
- Function description:
 - Roles: Guest, Customer, Admin
 - > Purpose: User can see product or best seller in month and title write about BirdFood
 - > Data processing: Get data have a top sell in mont and present in hero
- ❖ Function details: Help user understanding for bird food and products we sell

UC-2.2: Home Slider



- Function trigger: View seed and bestfood for birds
- Function description:
 - > Roles: Guest, Customer, Admin
 - Purpose: User can see product or best seller in month and title write about BirdFood
 - Data processing: Get data have a top sell in mont and present in selection
- Function details: Help user easy to chose product

UC-2.3: Fillter Section



- Function trigger: When user click category
- Function description:

- Roles: Guest, Customer, Admin
- > Purpose: User can see product with category and can click cart item to add card
- > Data processing: Get data with category and respond for user choose
- ❖ Function details: Help user easy to chose product with category, user can click cart item to add cart

3. Login Page

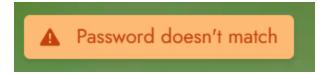
UC-3.1: Login with form



- ❖ Function trigger: When user provides correct information and clicks on login button.
- Function description:
 - > Roles: Guest, Customer, Admin
 - > Purpose: Confirm and authorize the user's information.
 - Data processing: Process email and password of user
- Function details: Data that the user provides must be contained in the database. If the data is not suitable, the system will notify an error.
 - If user does not fill in the required fields



> If the account and password are not the same

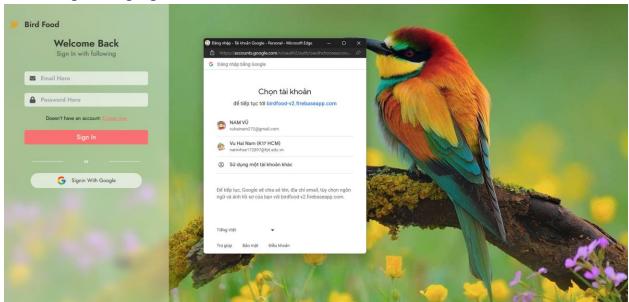


UC-3.2: Create with form



- ❖ Function trigger: When user provides correct information and clicks on signup button.
- Function description:
 - > Roles: Guest, Customer, Admin
 - > Purpose: Create account with the user's information.
 - > Data processing: Process email and password of user
- Function details: Data that the user provides must be create in the database. And forward user when user created

UC-3.3: Login with google



- Function trigger: When user click Signin with Google
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Login with google
 - > Data processing: Process email and password of user
- Function details: Check account google have in database if have forward home , create and forward home

4. Cart

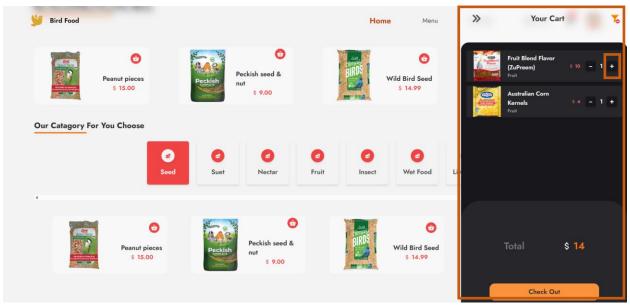
UC-4.1: Add item



- Function trigger: When user click item cart
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Add product in cart
 - > Data processing: Get product and add cart

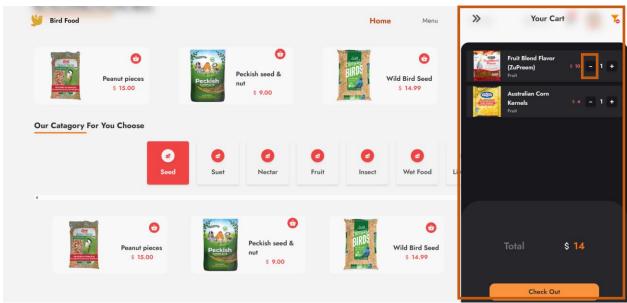
❖ Function details: User click item cart and product add in cart user can modify in cart

UC-4.2: Plus item



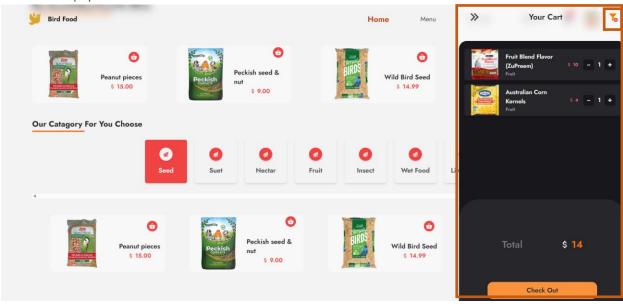
- Function trigger: When user click icon plus in item box
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Increase quantity product
 - > Data processing: Get product and increase quantity, update cart
- ❖ Function details: User click icon plus and the card has been updated with product increase

UC-4.3: Minus item



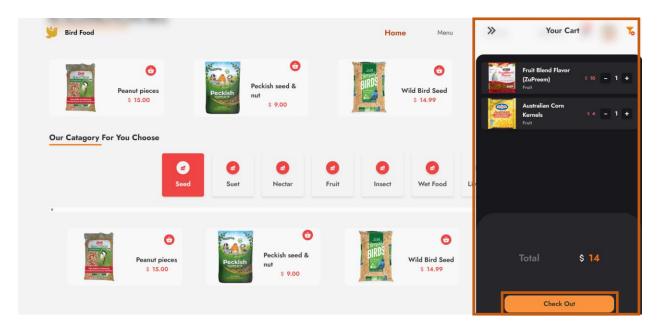
- Function trigger: When user click icon minus in item box
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Decrease quantity product
 - > Data processing: Get product and decrease quantity, update cart
- Function details: User click icon minus and the card has been updated with product decrease

UC-4.4: Empty Cart



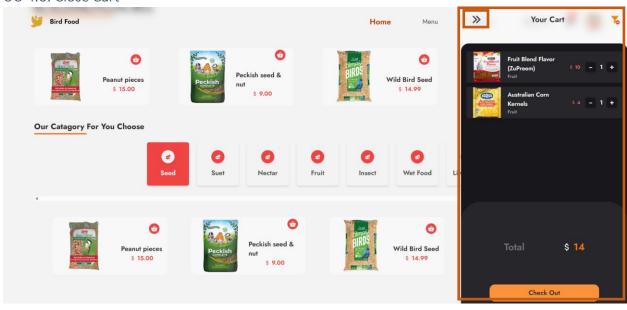
- Function trigger: When user click icon Clear in item box
- Function description:
 - > Roles: Guest, Customer, Admin
 - > Purpose: Increase quantity product
 - > Data processing: Get product and clear all product, update cart
- Function details: User click icon Clear and the card has been clear

UC-4.5: Check out



- Function trigger: When user click Checkout box
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Forward to check out
 - > Data processing: Get all product in cart and forward to checkout
- Function details: User click Checkout box forward checkout



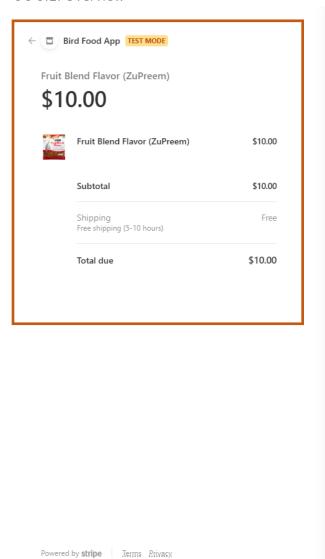


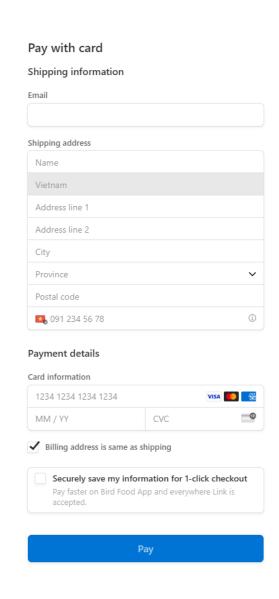
- Function trigger: When user click icon ChevronsRight in item box
- Function description:
 - Roles: Guest, Customer, Admin

- Purpose: Close cart for user easy to choose product
- > Data processing: Hidden card
- Function details: User click ChevronsRight and card hidden

5. Checkout

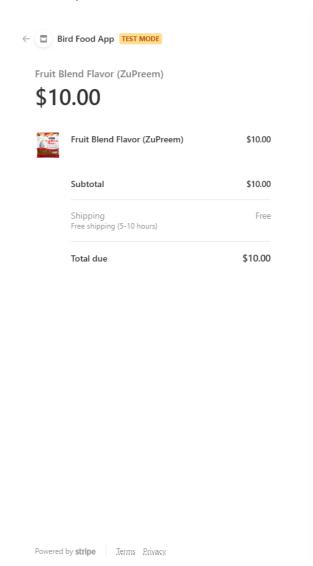
UC-5.1: Overview

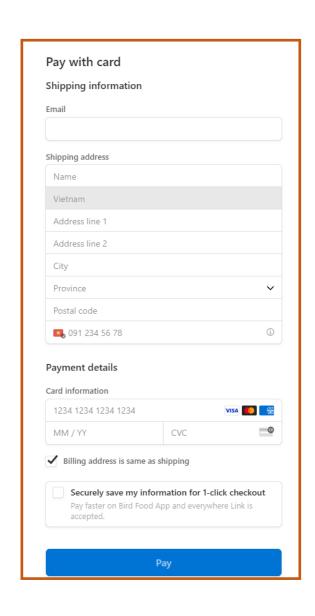




- Function trigger: List product user have been add the cart
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Help user see product will buy one more time before pay
 - > Data processing: Get data in cart and present in Over view box
- Function details: Help user see product will buy one more time before pay

UC-5.2: Payment





- ❖ Function trigger: When user provides correct information and clicks on pay button.
- Function description:
 - Roles: Guest, Customer, Admin
 - > Purpose: Confirm and authorize the user's information.
 - > Data processing: Process email, password, address, city, province, Phone number, Card of user
- Function details: Data that the user provides must be contained in the database. If the data is not suitable, the system will notify an error.

UC-5.3: Checkout success



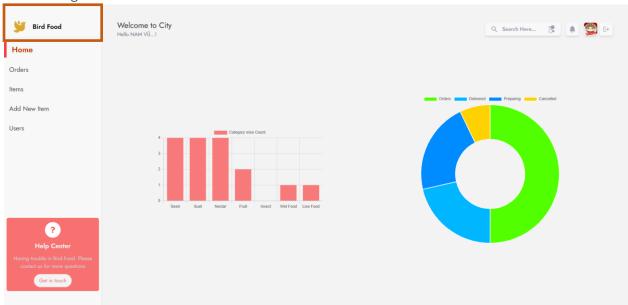
Amount paid Successfully



- Function trigger: When checkout success.
- Function description:
 - Roles: Guest, Customer, Admin
 - Purpose: Forward to checkout success page to notify user check out successed
 - > Data processing: Get information server success have been successed or not
- Function details: Check user checkout have been successed. If successed forward page check out success for user to user know have successfully and have click Getback to home button to forward home

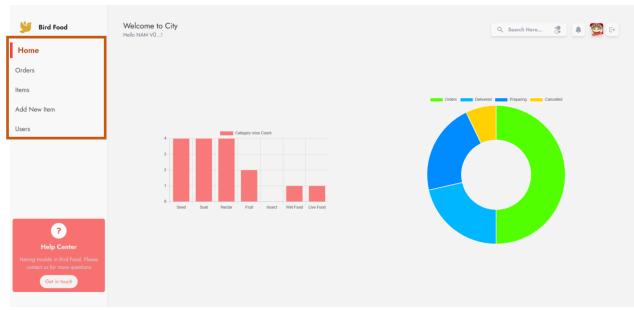
6. DBRight Section

UC-6.1: Logo Header



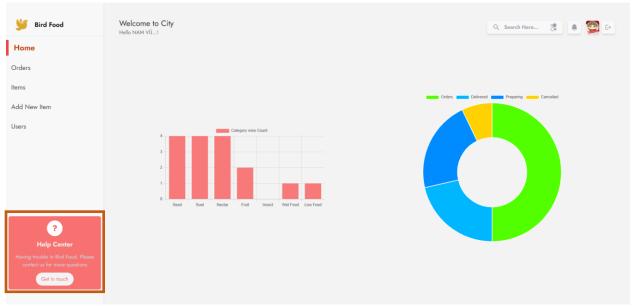
- Function trigger: Directed if user click
- Function description:
 - > Roles: Admin
 - Purpose: Help users can redirect the homepage
 - > Data processing: The system checks if the address exists and then redirects the user
- ❖ Function details: When the user clicks on the logo, the user will be redirected to the homepage

UC-6.2: NavLink



- Function trigger: Directed if user click
- Function description:
 - > Roles: Admin
 - Purpose: Help users can redirect the Home, Orders, Items, Add New Item, Users
 - > Data processing: The system checks if the address exists and then redirects
- Function details: When the user clicks on the Home, Orders, Items, Add New Item, Users, the user will be redirected to the Home, Orders, Items, Add New Item, Users

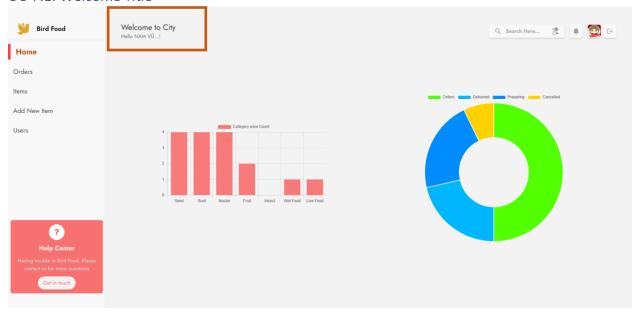
UC-6.3: Help Center



- Function trigger: When user click Help Center
- Function description:
 - Roles: Admin
 - Purpose: Help users can redirect Help center page to message with assistance
 - > Data processing: The system checks if the address exists and then redirects
- Function details: Help users to find a way to use or report errors if encountered to the programming team

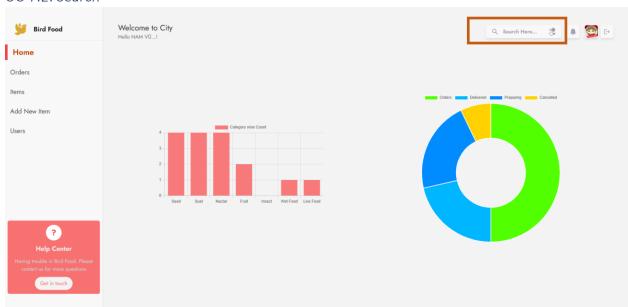
7. DBHeader

UC-7.1: Welcome Title



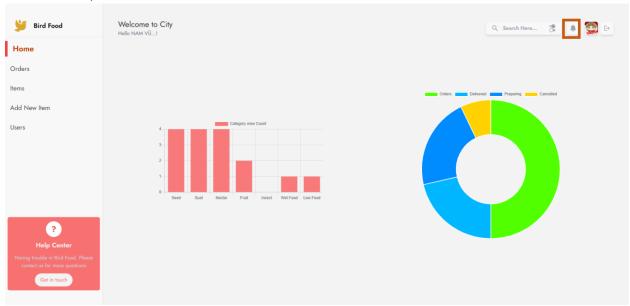
- Function trigger: Welcome to the page
- Function description:
 - > Roles: Admin
 - > Purpose: Help admin know that I have successfully entered the dashboard
 - ➤ Data processing: Get username and check rold so appear welcome tittle
- ❖ Function details: Help admin know that I have successfully entered the dashboard

UC-7.2: Search



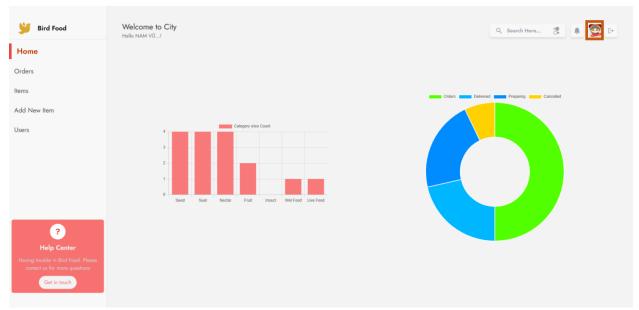
- Function trigger: When user click to search
- Function description:
 - > Roles: Admin
 - Purpose: Help admin search page want to find
 - > Data processing: Find database have a page title or function and apeear to user choose
- Function details: Help admin easy find a page or funtion

UC-7.3: Notify



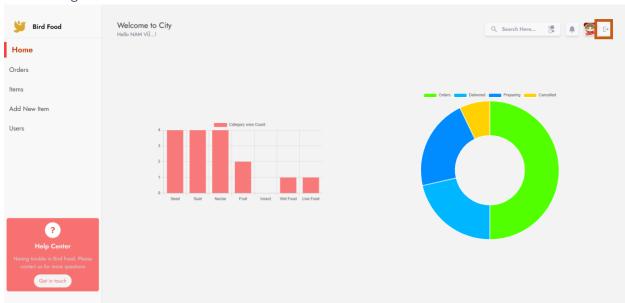
- Function trigger: When user hover notify
- Function description:
 - > Roles: Admin
 - Purpose: present to admin important announcements
 - ➤ Data processing: Save edit history and important developer announcements
- Function details: Present to admin important announcements

UC-7.4: Avartar



- Function trigger: Present avartar
- Function description:
 - > Roles: Admin
 - Purpose: Let the admin know that you have successfully logged in
 - > Data processing: Check if the user rold is admin if not then show their avatar
- ❖ Function details: Let the admin know that you have successfully logged in

UC-7.5: Logout



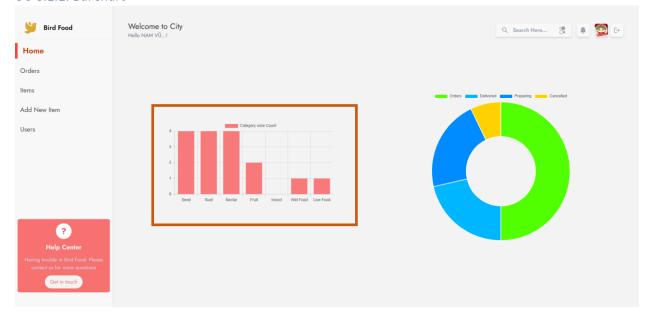
- Function trigger: When admin click to item logout
- Function description:

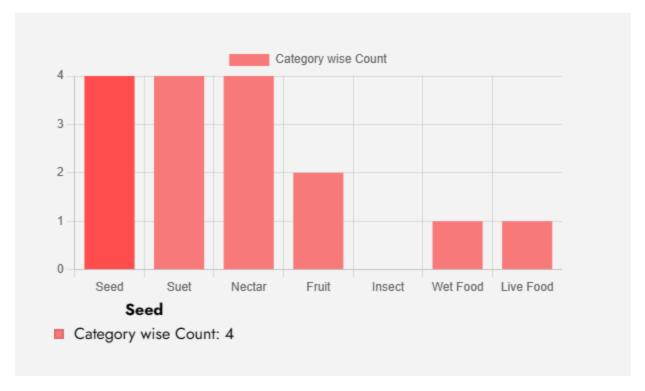
- > Roles: Admin
- > Purpose: if the admin wants to logout and protect the account from others stealing to edit data
- > Data processing: Delete admin data in local storage
- Function details: Deleting the account's data on the local computer helps protect the account and data theft

8. DBLeft Section

UC-8.1: DBHome

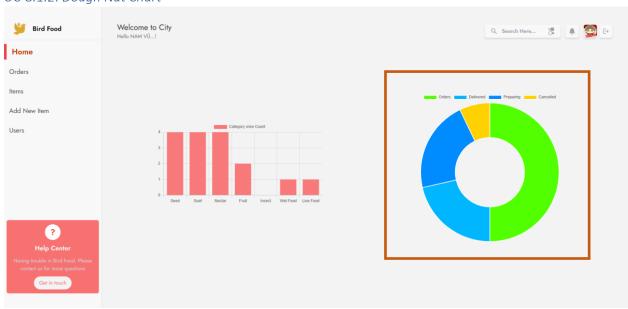
UC-8.1.1: BarChart

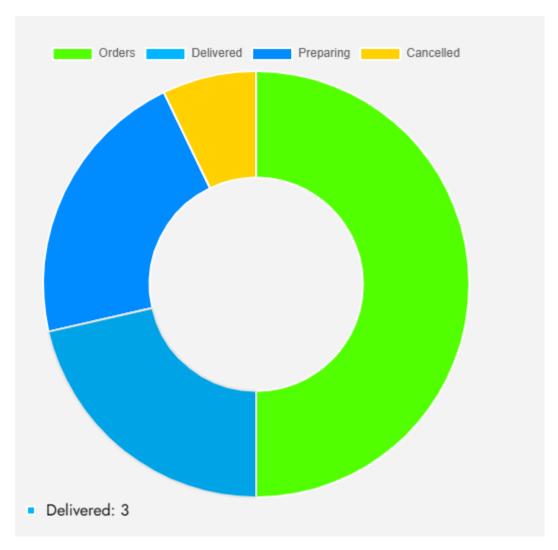




- Function trigger: When admin hover to BarChart
- Function description:
 - > Roles: Admin
 - > Purpose: If the admin wants to see information about the number of components available in each category
 - > Data processing: Get the data of each product in the category and present it on the chart
- Function details: Help admin can better understand the quantity of each product that they are selling in each category

UC-8.1.2: Dough Nut Chart

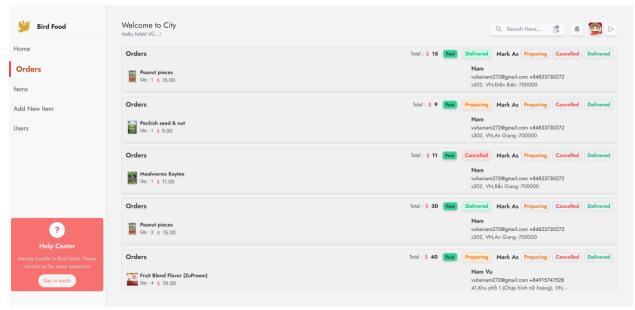




- Function trigger: When admin hover to Dough Nut Chart
- Function description:
 - > Roles: Admin
 - > Purpose: Help admin to track the status of orders such as delivery canceled or in preparation
 - > Data processing: Get the data of orders (delivered, prepearing, cancel) and present it on the chart
- Function details: Help admin can see the number of products sold including canceled, prepared or sold orders

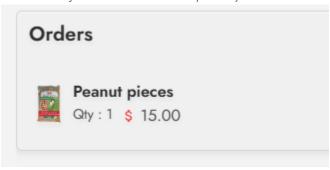
UC-8.2: DB Orders

UC-8.2.1: Overview



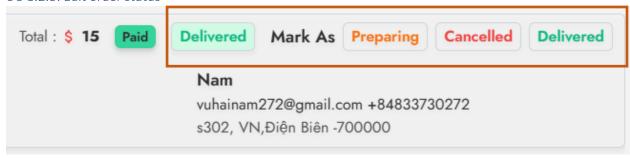
- Function trigger: Show an overview of orders
- Function description:
 - > Roles: Admin
 - Purpose: Helps admin have an overview of newly placed orders so that they can easily notify customer
 - > Data processing: Get the data of orders (delivered, prepearing, cancel) and present it
- Function details: Help admin have a full view of the orders and notify the customer about the change of the order

UC-8.2.2: Information and order quantity



- Function trigger: Show an overview of orders
- Function description:
 - > Roles: Admin
 - Purpose: Helps admin have an overview of newly placed orders so that they can easily notify customer
 - > Data processing: Get the data of orders (Title product, quantity, price) and present it
- Function details: Help admin have a full view of the orders

UC-8.2.3: Edit order status



- Function trigger: When admin click status
- Function description:
 - Roles: Admin
 - Purpose: Update order status to customer
 - > Data processing: Update order status to database
- Function details: Help admin have change status of orders

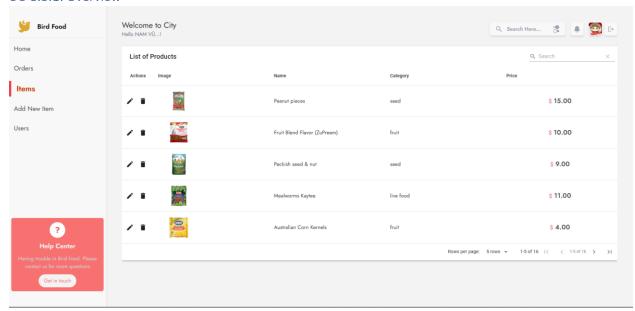
UC-8.2.4: Information of customer



- Function trigger: Show information customer
- Function description:
 - Roles: Admin
 - Purpose: Help admins can better understand their customers and ship to the right place where they are
 - Data processing: Retrieve customer information from the database that the customer provides for shipping
- Function details: Help admin know the exact address of the customer so that he can ship the customer's order to the right place

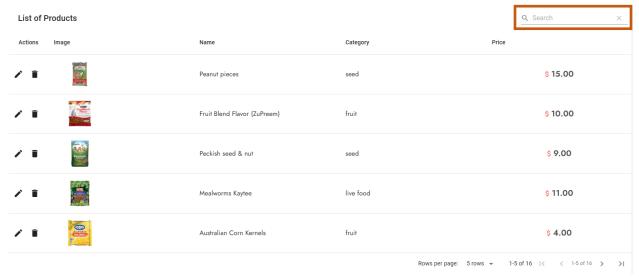
UC-8.3: DBItems

UC-8.3.1: Overview



- Function trigger: Show an overview of Items
- Function description:
 - > Roles: Admin
 - Purpose: Help admins can see the products they are selling and edit them if needed
 - > Data processing: Get the data of product and present
- ❖ Function details: Help admins can see the products they are selling and edit them if needed

UC-8.3.2: Search Product



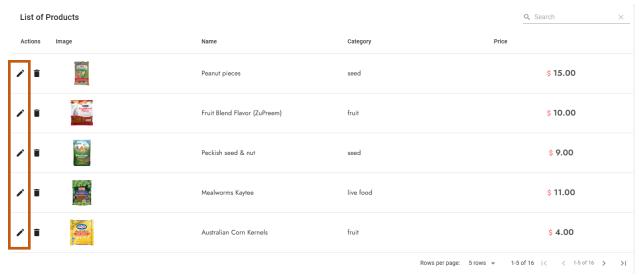
- Function trigger: The user initiates a search for a product.
- Function description:

- > Roles: Admin
- Purpose: To assist users in finding specific products.
- > Data processing: The system receives user input, queries the product database, and retrieves relevant product information.

Function details:

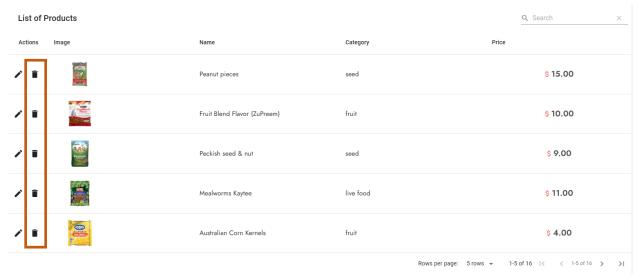
- Accept user input for product search query.
- Validate and clean input to prevent any potential security issues.
- Query the product database using a search query.
- Retrieve and display relevant product information, such as name, description, price, availability, and reviews.
- Provides filtering and sorting options for search results.
- ➤ Handle errors and display the appropriate message if the product is not found or if there are any technical problems.
- Allow users to refine their search criteria and start a new search if desired.

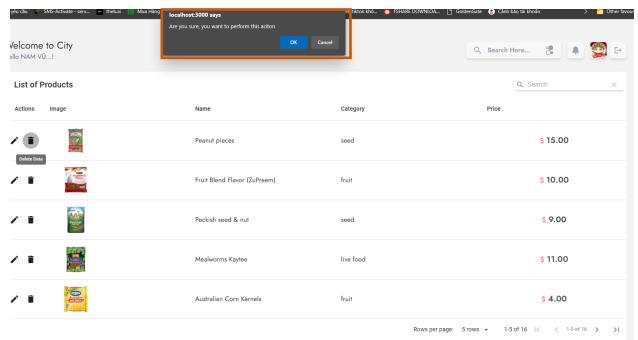
UC-8.3.3: Edit Product



- Function trigger: When admin click edit item
- Function description:
 - > Roles: Admin
 - Purpose: Help admins can forward to edit page to edit product
 - > Data processing: Retrieve product information from the database and forward to edit page
- Function details: Help admin can access the product edit page

UC-8.3.4: Delete Product

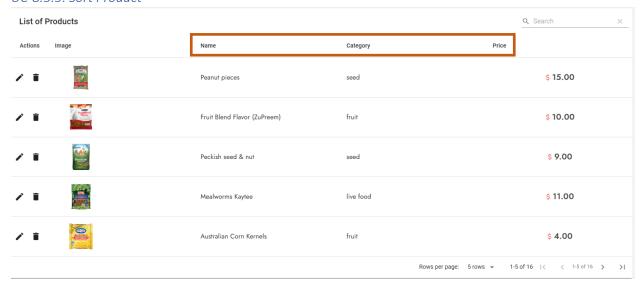




- Function trigger: The user initiates the deletion of a product.
- Function description:
 - > Roles: Admin
 - Purpose: To allow users to remove products from the database or system.
 - ➤ Data processing: The system receives the product identifier or other relevant information, validates it, and performs the deletion operation.
- Function details:
 - Accept user input to identify the product to be deleted, such as a unique product ID or other identifying information.
 - ➤ Validate the user input to ensure it corresponds to a valid product in the system.

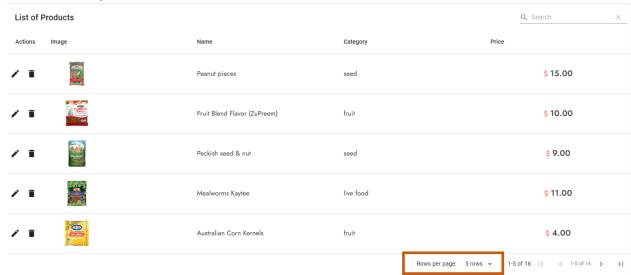
- Confirm the user's intention to delete the product and provide appropriate warnings or notifications.
- Remove the product record from the database or mark it as deleted, depending on the system's design.
- Update any relevant associations or dependencies to reflect the deletion (e.g., update inventory levels, remove references in orders).
- Provide appropriate success or error messages to the user indicating the outcome of the deletion operation.
- Handle any potential error scenarios, such as if the product is not found or if there are technical issues with the deletion process.

UC-8.3.5: Sort Product



- Function trigger: The user requests to sort the products.
- Function description:
 - Roles: Admin
 - Purpose: To provide users with the ability to view products in a desired order.
 - ➤ Data processing: The system retrieves the product data from the database and applies the sorting algorithm based on user preferences.
- Function details:
 - Present the user with sorting options, such as by price, name, popularity, or any other relevant criteria.
 - > Receive the user's selection for the sorting criterion.
 - > Retrieve the product data from the database.
 - Apply the sorting algorithm to reorder the products based on the user-selected criterion.
 - Display the sorted products to the user, either in a refreshed view or by dynamically reordering the existing view.
 - Provide the ability to reverse the sorting order (e.g., ascending or descending) if desired.
 - Allow the user to further refine the sorting by applying additional filters or search criteria.
 - ➤ Handle any potential errors or exceptional cases, such as if there are no products to display or if there are technical issues with the sorting process.

UC-8.3.5: Row of Product

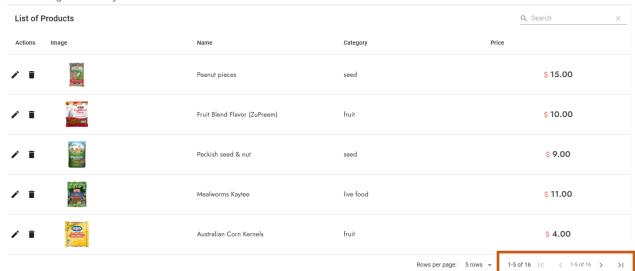


- Function trigger: The user specifies the number of rows to display per page in the product table.
- Function description:
 - > Roles: Admin
 - Purpose: To allow users to customize the number of products displayed per page in the product table.
 - Data processing: The system updates the pagination settings and renders the appropriate number of rows per page in the product table.

Function details:

- Provide a user interface element (e.g., dropdown menu, input field) to allow the user to select the desired number of rows per page.
- Receive the user's selection for the number of rows per page.
- Update the system's pagination settings to reflect the user's preference.
- > Render the product table with the specified number of rows per page.
- Display navigation controls (e.g., previous page, next page) to allow the user to navigate through the product table if the total number of products exceeds the selected rows per page.
- > Store the user's preference for future visits or sessions, if applicable.
- ➤ Handle any potential errors or exceptional cases, such as if the user selects an invalid number of rows per page or if there are technical issues with the pagination process.

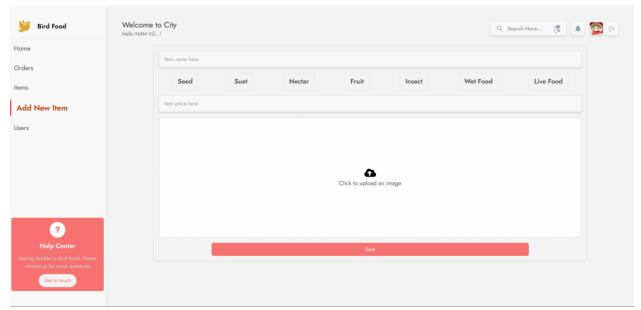
UC-8.3.5: Pagecount of Product



- ❖ Function trigger: The system receives a request to determine the number of pages in a table.
- Function description:
 - > Roles: System
 - Purpose: To provide pagination functionality by determining the total number of pages in a table
 - ➤ Data processing: The system retrieves the total number of rows and the configured rows per page to calculate the page count.
- Function details:
 - > Retrieve the total number of rows in the table.
 - > Retrieve the configured rows per page setting.
 - Calculate the page count by dividing the total number of rows by the rows per page and rounding up to the nearest whole number.
 - Provide the calculated page count to the user interface for pagination controls and display.
 - ➤ Handle any potential errors or exceptional cases, such as if the total number of rows or rows per page is invalid or if there are technical issues with the calculation process.

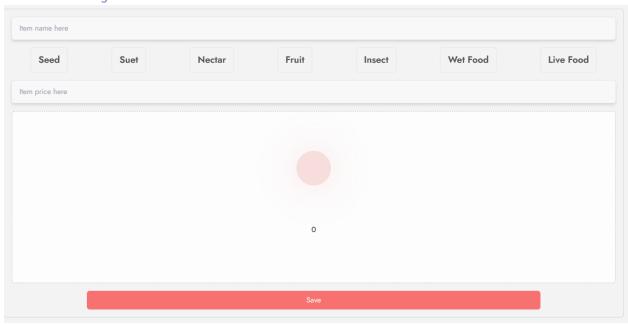
UC-8.4: New Items

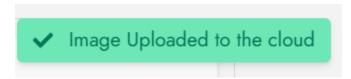
UC-8.4.1: Overview



- Function trigger: Show an overview of NewItems
- Function description:
 - Roles: Admin
 - Purpose: To enable admin to add new products to the system.
 - ➤ Data processing: The system receives and validates the product information provided by the user, and then adds it to the product database.
- Function details: Help admin have a full view of the orders and notify the customer about the change of the order
 - Present a user interface form or input fields to capture the necessary product information, such as name, description, price, and other relevant details.
 - Validate the user input to ensure the required fields are filled and the data is in the correct format.
 - ➤ Handle any potential errors or invalid input provided by the user, providing appropriate error messages or validation feedback.
 - > Store the new product information in the product database, assigning it a unique identifier or generating one automatically.
 - > Update any associated data or references, such as updating inventory levels or linking the new product to relevant categories or attributes.
 - Provide confirmation or success messages to the user indicating that the product has been successfully added.
 - Allow the user to review and edit the entered information before final submission, if desired.
 - ➤ Handle any potential errors or exceptional cases, such as if there are technical issues with adding the product or if there are constraints or business rules that need to be enforced during the addition process.

UC-8.4.2: Loading New Items



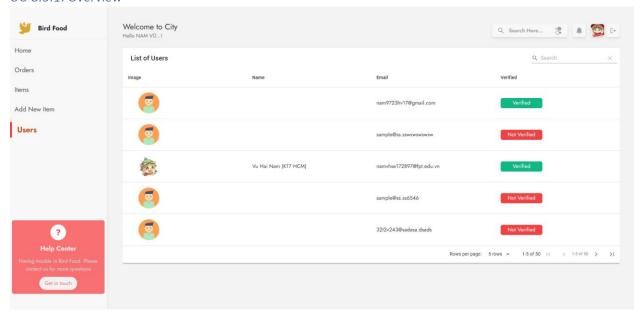


- Function trigger: The user initiates the process to upload an image.
- Function description:
 - > Roles: Admin, System
 - Purpose: To enhance the user experience by indicating that the image upload process is in progress.
 - > Data processing: The system receives the image file from the user and processes it for upload.
- Function details:
 - When the user selects an image file for upload, display a loading icon or animation to indicate that the upload process has started.
 - Show the loading icon until the image upload is completed or an error occurs.
 - > During the image upload, disable any relevant user interactions or controls to prevent conflicting actions.
 - > Display progress indicators, if possible, to provide additional feedback on the upload progress (e.g., percentage completed).
 - If the upload is successful, display a success message or visual indicator to notify the user that the image has been uploaded.
 - If an error occurs during the upload, display an error message and provide appropriate instructions or guidance for the user to resolve the issue.
 - Enable the user to cancel or abort the upload process, if necessary.

Once the upload process is complete, remove the loading icon and restore any disabled interactions or controls.

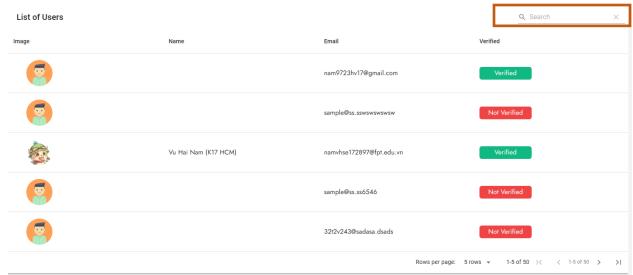
UC-8.5: List User

UC-8.5.1: Overview



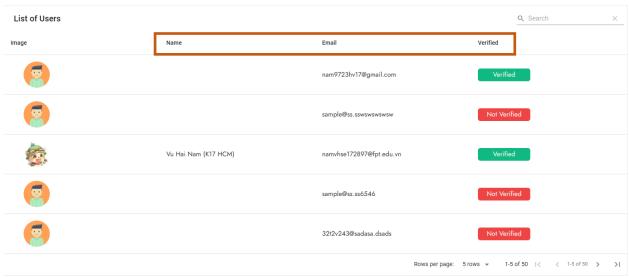
- Function trigger: The user requests an overview of the list of users.
- Function description:
 - > Roles: Admin
 - Purpose: To provide a comprehensive summary of the users in the system
 - > Data processing: The system retrieves user data from the database and processes it to generate the overview.
- Function details:
 - Retrieve the user data from the database, including attributes such as username, email, role, and any other relevant information.
 - Determine the scope of the overview, such as whether it includes all users or a subset based on specific criteria (e.g., active users, recently registered users).
 - ➤ Generate the overview by organizing and presenting the user data in a clear and concise manner, such as in a table or a formatted list.
 - Display key information for each user, such as username, email, role, and any other relevant attributes.
 - > Optionally provide filtering and sorting options to allow the user to refine the overview based on specific criteria (e.g., sort by username, filter by role).
 - > Implement pagination or infinite scrolling if the list of users is extensive to enhance performance and user experience.
 - ➤ Handle any potential errors or exceptional cases, such as if there are no users to display or if there are technical issues with retrieving or processing the user data.
 - Please customize the above information to fit your specific requirements and system design.

UC-8.5.2: Seacrh Users



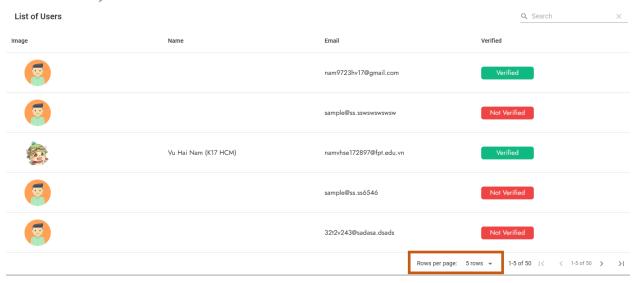
- Function trigger: The admin initiates a search for a user.
- Function description:
 - Roles: Admin
 - Purpose: To assist admin in finding specific user.
 - ➤ Data processing: The system receives user input, queries the user database, and retrieves relevant user information.
- Function details:
 - Accept user input for user search query.
 - Validate and clean input to prevent any potential security issues.
 - Query the user database using a search query.
 - > Retrieve and display relevant user information, such as name, description, price, availability, and reviews.
 - Provides filtering and sorting options for search results.
 - ➤ Handle errors and display the appropriate message if the user is not found or if there are any technical problems.
 - > Allow admin to refine their search criteria and start a new search if desired.

UC-8.5.3: Sort Users



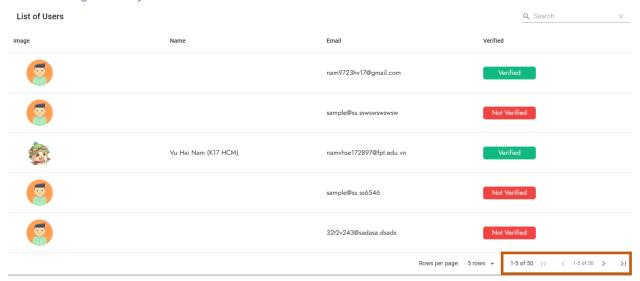
- Function trigger: The admin requests to sort the users.
- Function description:
 - Roles: Admin
 - Purpose: To provide users with the ability to view users in a desired order.
 - ➤ Data processing: The system retrieves the user data from the database and applies the sorting algorithm based on user preferences.
- Function details:
 - Present the admin with sorting options, such as by name, email, verified, or any other relevant criteria.
 - > Receive the admin's selection for the sorting criterion.
 - Retrieve the user data from the database.
 - Apply the sorting algorithm to reorder the user based on the user-selected criterion.
 - > Display the sorted user to the admin, either in a refreshed view or by dynamically reordering the existing view.
 - > Provide the ability to reverse the sorting order (e.g., ascending or descending) if desired.
 - > Allow the admin to further refine the sorting by applying additional filters or search criteria.
 - ➤ Handle any potential errors or exceptional cases, such as if there are no products to display or if there are technical issues with the sorting process.

UC-8.5.4: Row of users



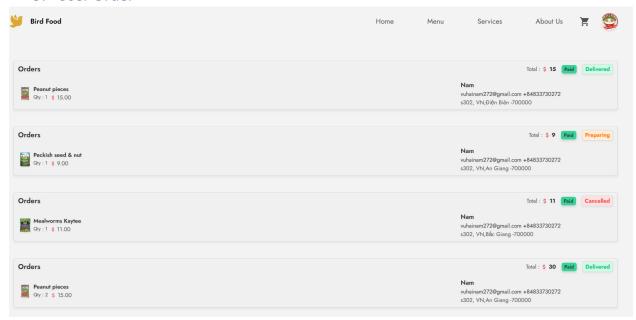
- Function trigger: The admin specifies the number of rows to display per page in the users table.
- Function description:
 - > Roles: Admin
 - Purpose: To allow admin to customize the number of user displayed per page in the users table.
 - Data processing: The system updates the pagination settings and renders the appropriate number of rows per page in the user table.
- Function details:
 - Provide a user interface element (e.g., dropdown menu, input field) to allow the admin to select the desired number of rows per page.
 - Receive the admin's selection for the number of rows per page.
 - Update the system's pagination settings to reflect the admin's preference.
 - Render the user table with the specified number of rows per page.
 - Display navigation controls (e.g., previous page, next page) to allow the admin to navigate through the user table if the total number of users exceeds the selected rows per page.
 - > Store the admin's preference for future visits or sessions, if applicable.
 - Handle any potential errors or exceptional cases, such as if the admin selects an invalid number of rows per page or if there are technical issues with the pagination process.

UC-8.5.5: Pagecount of Users



- ❖ Function trigger: The system receives a request to determine the number of pages in a table.
- Function description:
 - > Roles: System
 - Purpose: To provide pagination functionality by determining the total number of pages in a table
 - ➤ Data processing: The system retrieves the total number of rows and the configured rows per page to calculate the page count.
- Function details:
 - > Retrieve the total number of rows in the table.
 - > Retrieve the configured rows per page setting.
 - Calculate the page count by dividing the total number of rows by the rows per page and rounding up to the nearest whole number.
 - Provide the calculated page count to the user interface for pagination controls and display.
 - ➤ Handle any potential errors or exceptional cases, such as if the total number of rows or rows per page is invalid or if there are technical issues with the calculation process.

9. User Order



- Function trigger: The user requests their order information
- Function description:
 - > Roles: Admin
 - Purpose: To enable users to access and review their order details.
 - ➤ Data processing: The system retrieves the user's order data from the database and processes it for presentation.

Function details:

- Authenticate the user to ensure they have proper access to their order information.
- Retrieve the user's order data from the database, including details such as order number, date, items purchased, quantities, prices, shipping information, and payment status.
- > Present the order information in a user-friendly format, such as a list or a table, with relevant columns or sections for each order attribute.
- Implement pagination or infinite scrolling if the user has a large number of orders to enhance performance and user experience.
- Provide filtering and sorting options to allow the user to refine the display of their order information (e.g., sort by date, filter by payment status).
- Include additional functionality, if applicable, such as the ability to view order details, track shipments, or initiate returns or cancellations.
- Ensure that sensitive order information is appropriately protected and only accessible to the authorized user.
- ➤ Handle any potential errors or exceptional cases, such as if there are no orders to display or if there are technical issues with retrieving or processing the order data.