

KINDER ANIMAL FOOD

Manual for installing and running the web app

I. INSTALLATION GUIDE

1. Requirements:

- Laptop/ desktop
- Java installed to your Laptop/ desktop (Java 8 is recommended; Higher version of Java could hinder the compiling process.).
- MySQL installed to your Laptop/ desktop.
- Tomcat is installed to your Laptop/desktop (Tomcat 8.5 and higher is recommended).
- Eclipse for Enterprise is installed to your Laptop/ desktop.
- Folder "Kinder-Animal-Food" which contains all source code for the website application.

2. Setup the database in MySQL

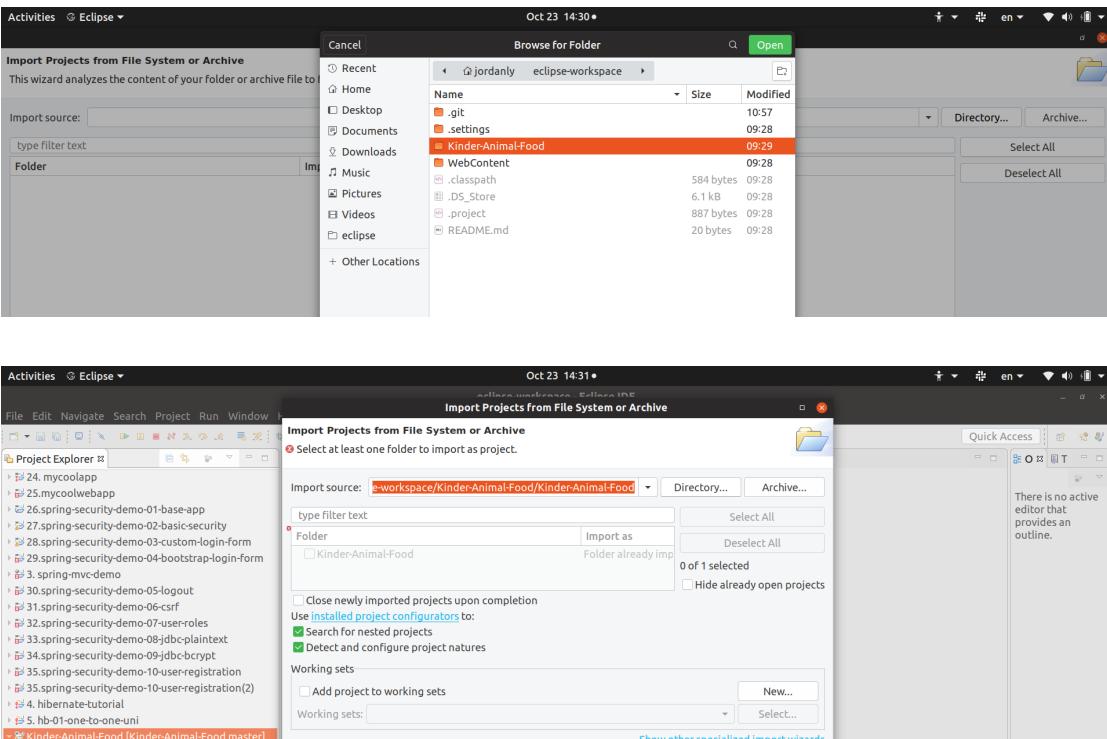
- Firstly, in order to install the app, you should set up the database in MySQL first. Please follow the steps described below to set up the environment accurately:

No.	Step
1	<p>Access your MySQL using either</p> <ol style="list-style-type: none">1. Command prompt (Windows);2. Terminal (Linux and macOS);3. or MySQL workbench.
2	<p>(Optional)</p> <p>You can create a user account and grant it relevant privileges to access the database, this account will then be used by the web app to access the MySQL database.</p> <p>- Input this code to create a new user:</p> <pre>CREATE USER 'username'@'localhost' IDENTIFIED BY 'userpassword';</pre> <p>(Be aware that you can replace the username and userpassword as you see fit).</p>

	<p>- Grant the new user privileges to access the database:</p> <pre>GRANT ALL PRIVILEGES ON database_name.* TO 'username'@'localhost';</pre>
3	<p>Access and open the SQL file stored in the Kinder-Animal-Food folder, you can access the file as the following directory:</p> <p>Kinder-Animal-Food\Kinder-Animal-Food\sql-scripts\Kinder-Animal-Food.sql</p>
4	<p>Copy all content from the files and run it on your MySQL workbench or terminal/ command prompt to create the database.</p>

3. Setup the environment for the web app

The next step is to run the web application. The application was built in accordance with Spring framework, Hibernate and Java 8. the installation guide is as follow:

No.	Step
1.	<p>Open Eclipse and import the project to your Eclipse IDE.</p> 
2.	<p>Access the persistence-mysql.properties file and modify the user and password accordingly to the account that you created in section 2 of this part (Or use an account that you have created before).</p>

Activities Eclipse Oct 23 14:34*

eclipse-workspace - Kinder-Animal-Food/src/main/resources/persistence-mysql.properties - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Project Explorer persistence-mysql.properties

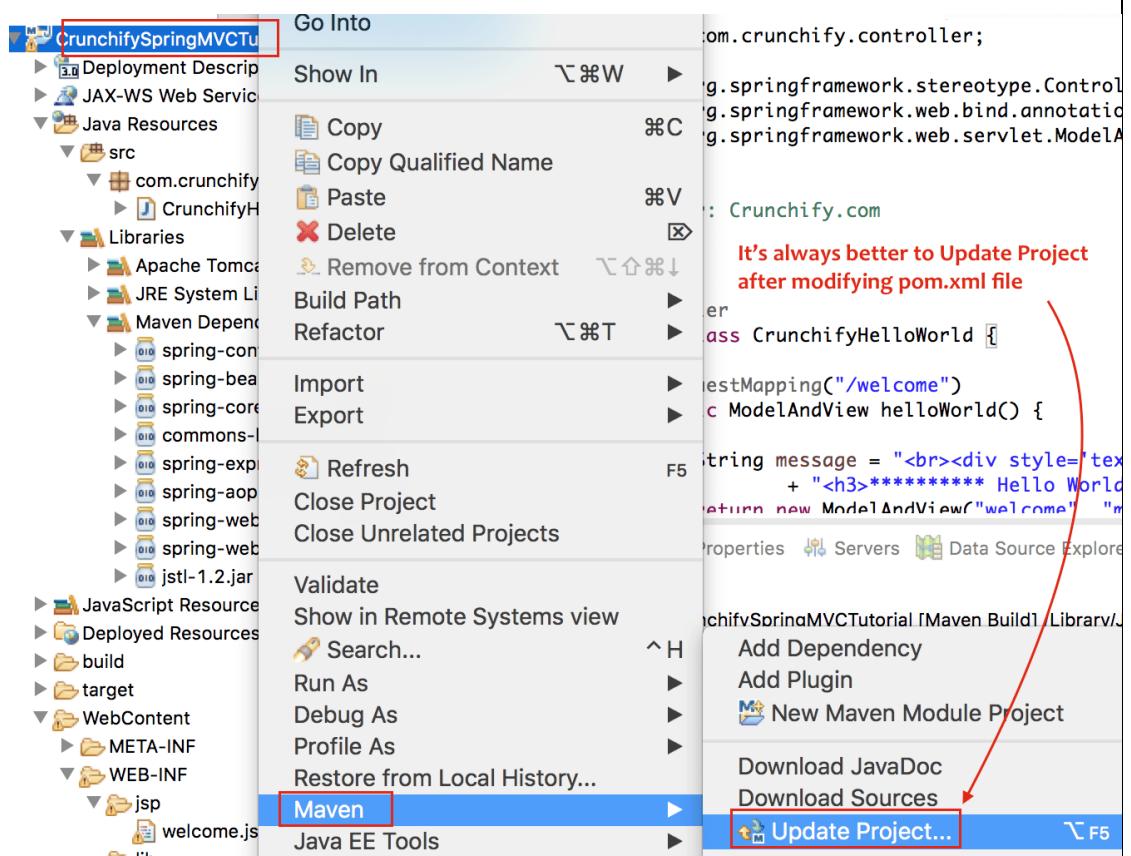
```

1# JDBC connection properties
2#
3# driver=com.mysql.jdbc.Driver
4jdbc.url=jdbc:mysql://localhost:3306/Kinder-Animal-Food?useSSL=false
5jdbc.user=springstudent
6jdbc.password=springstudent
7#
8#
9# Connection pool properties
10#
11connection.pool.initialPoolSize=5
12connection.pool.minPoolSize=5
13connection.pool.maxPoolSize=20
14connection.pool.maxIdleTime=3000
15#
16#
17# Hibernate properties
18#
19hibernate.dialect=org.hibernate.dialect.MySQLDialect
20hibernate.show_sql=true
21hibernate.packagesToScan=eu.usyd.elec5619.KAF.model
22

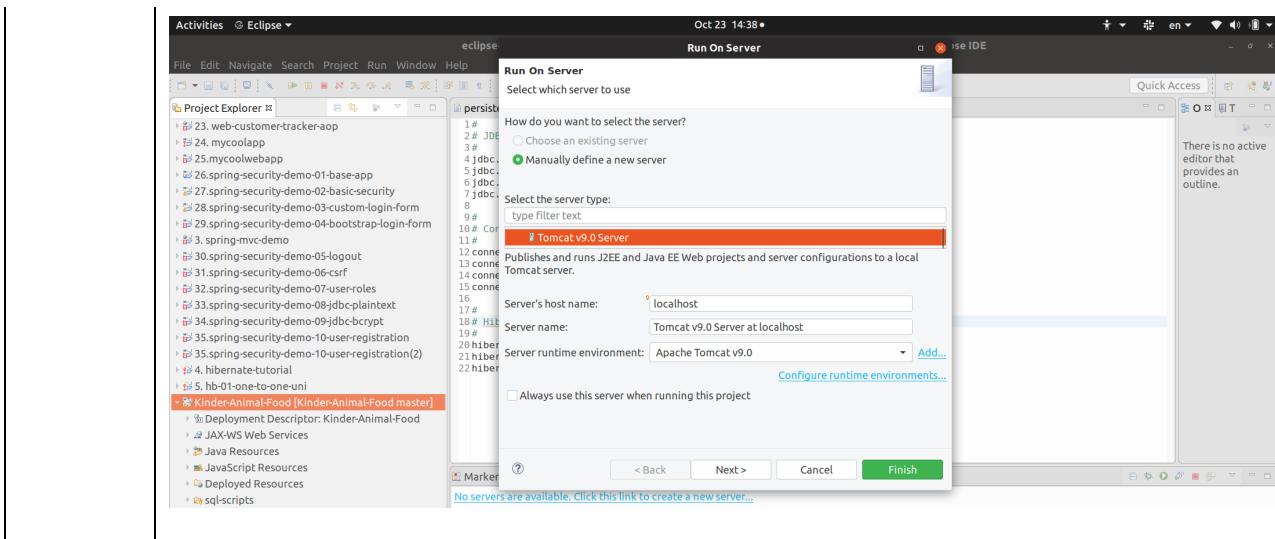
```

Quick Access There is no active editor that provides an outline.

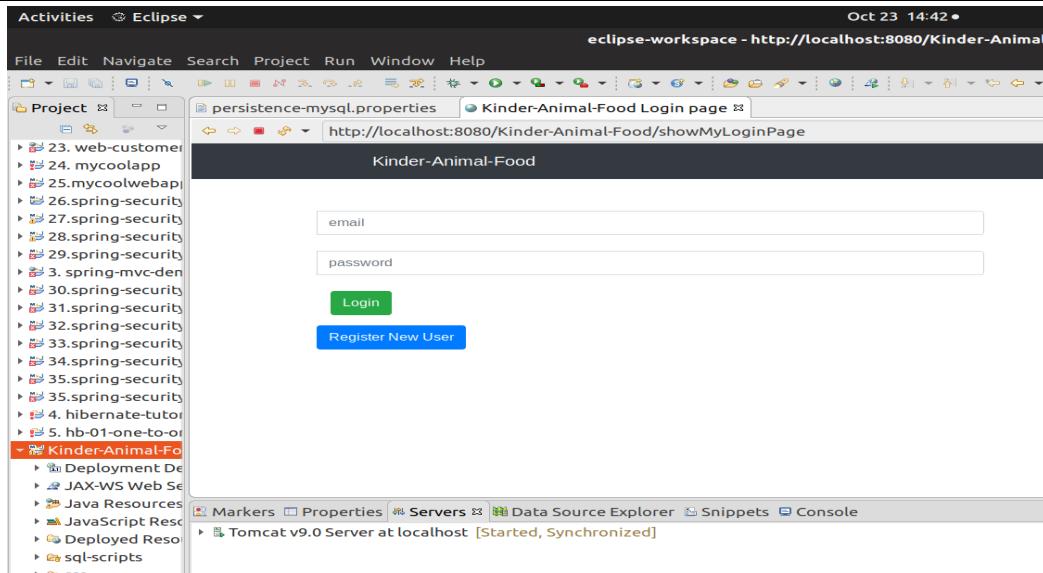
3. Right-click on the project and choose **Maven/ update project**.



4. Right-click on the project and choose to *Run as → Run on Server*. A window will pop up asking you to choose the server to run the website application; Choose Tomcat Server as default and click **Finish**.



5



The eclipse will automatically let you access the Login page. This indicates that you have successfully set up the Kinder-Animal-Food website.

***Note:** Please notice that though you can use the built-in browser that Eclipse provides; We strongly recommend that you use other stand-alone browsers (Chrome, Chromium, Firefox, etc.) since they will demonstrate the website better than Eclipse browser.

II. OPERATING THE WEBSITE

A. User-side

1. Authentication

a. Administrator

Be advised that the admin account is automatically created during the development of the database. Hence, the admin can access the database using the following account:

Email: admin

Password: admin

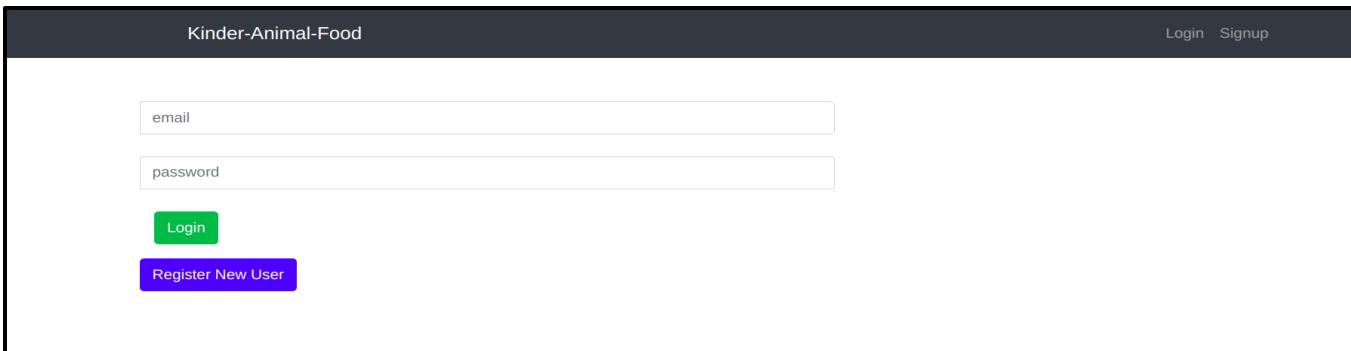
After entering the correct password and email, the website will direct you to the Home page/ Browse page where you can choose to check on the Browse function (Which will be mentioned later in part 2) and Locate function (Which will be mentioned later in part 3). Likewise, you can also access the System page by clicking on the Admin page button in the navigation bar.

b. User

New User will have to register for an account to access the services provided by Kinder-Animal-Food; By clicking on the “**Signup**” button/ or “**Register New User**” button, the user will be directed to the Registration page.

The screenshot shows a registration form titled "Register New User". It includes fields for Email (QAOfficer@gmail.com), Password (*****), Confirm password (*****), Gender (Female), Birthdate (14/10/1994), and two buttons at the bottom: "Register" (highlighted in blue) and "Reset". The top navigation bar has links for "Login" and "Signup".

Figure 1. Register page



The screenshot shows the login page for the Kinder-Animal-Food website. At the top, there is a dark header bar with the website name "Kinder-Animal-Food" on the left and "Login" and "Signup" links on the right. Below the header is a white content area containing two input fields: "email" and "password". Underneath these fields are two buttons: a green "Login" button and a purple "Register New User" button.

Figure 2. Login Page

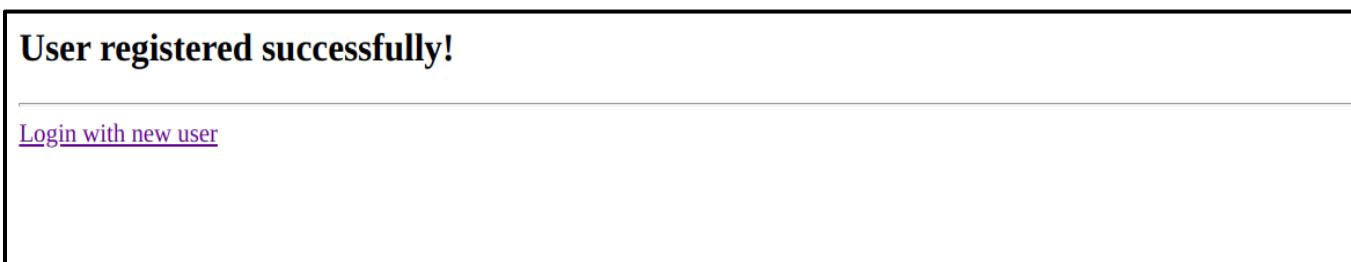
The website will request the user to enter his/ or her information if he/ or she wants to create an account. Please be advised that the website was built to check whether the information provided by the user is correct and in the right format; If not it will display error messages.

The website will display a message indicates that the user has successfully registered for an account. User can go back to the Login page and use the newly created account to access the Kinder-Animal-Food website's services.



The screenshot shows the registration page for the Kinder-Animal-Food website. At the top, there is a dark header bar with the website name "Kinder-Animal-Food" on the left and "Login" and "Signup" links on the right. Below the header is a white content area with a green rounded rectangle highlighting the registration form. The form is titled "Register New User" and contains several input fields: "Email" (with the value "QAOfficer"), "Password" (with the value "password (*")", "Confirm password" (with the value "confirm password (*")", "Gender" (set to "Female"), and "Birthdate" (set to "14/10/1994"). Below the form are two buttons: a purple "Register" button and a grey "Reset" button. A red error message "Invalid email" is displayed above the "Email" field.

Figure 3. Error in registration



The screenshot shows a confirmation message for successful user registration. The message "User registered successfully!" is displayed prominently at the top in a large, bold, black font. Below this message is a horizontal line and a link labeled "Login with new user" in blue text.

Figure 4. Successfully Signup

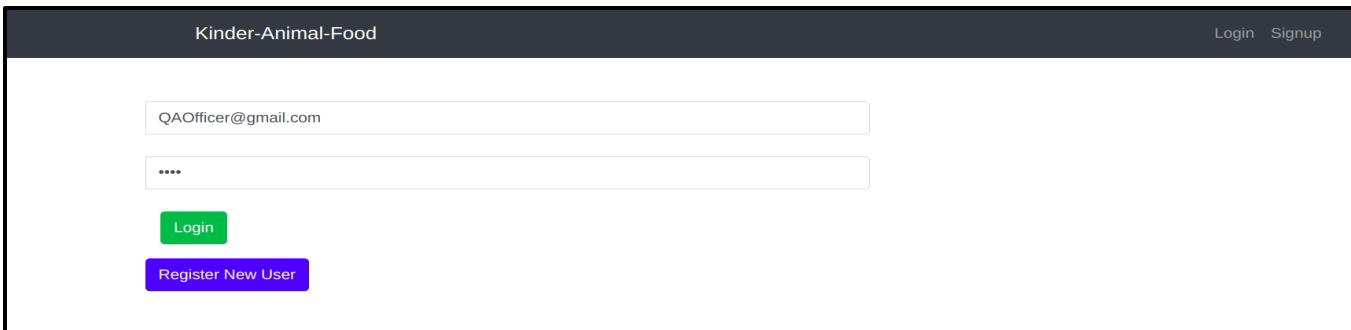


Figure 5. Login with the new account

2. Brand Browse

After logging in, User can look at all brand stored in the database in the browse page. Each brand is displayed in the browse page with their name, image, category and rating. The user can look at the details of each brand by clicking on the brand image. If they're more than 12 brands in the database, the UI will display multiple pagination sections which allow the user to navigate to the desired page by clicking on the page number in the pagination section.

Brand	Category	Rating	Image	Details
testing brand	Category: Chicken	All	Nice n Fresh Poultry Supplies	Best Rating: 1 Good Rating: 0 Avoid Rating: 1
Organigrow Organic Free Range Eggs	Category: Egg	All	Certified Organic Free Range Eggs	Best Rating: 1 Good Rating: 0 Avoid Rating: 0
a New Brand	Category: Pork	All	Certified Organic Free Range Eggs	Best Rating: 0 Good Rating: 1 Avoid Rating: 0
testing2	Category: Egg	All	No image available	Best Rating: 1 Good Rating: 0 Avoid Rating: 0

Figure 6. Browse page

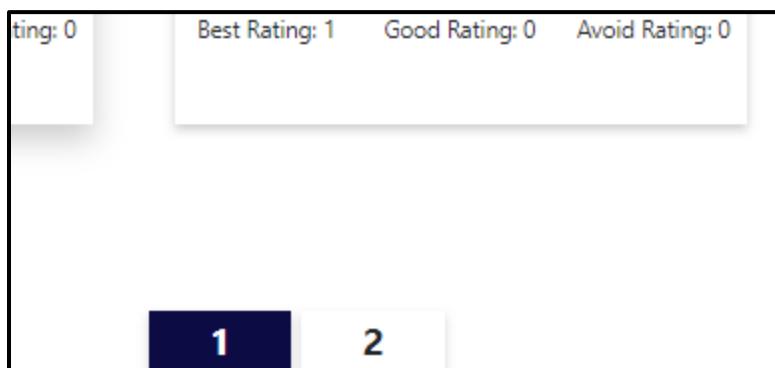


Figure 7. Pagination

On the left-hand side of the browse page, the web application provides different searching features to the users. For instance, user can choose to enter the brand name that he/ or she wants to investigate, and the system will process his/ or her request and return a result which contains brands that have similar name to the user's input. Moreover, the app also allows its users to search based on **Category** and the **Rating** that a brand has.

Figure 8. Searching filter

Lastly, once the user clicks on a brand, the system will automatically direct him/ or her to the brand detail page.

3. Brand Detail Page

As the name suggests, this page illustrates detail information about a specific animal-based product. In short, the page displays the name, category and accreditation information of the brand. Furthermore, in the accreditation table at the bottom of the interface, the user can view which organization accredits the product and the associated rating.

Likewise, from this page, the user can choose to “**Recommend the location**” (Which has this brand, so others can locate it) or decide to find a place to buy this product using the “**Location brand**” feature.

Accreditation	Rating
Cage Caged	good
New Cage caged	avoid

Figure 9. Brand Detail Page

4. Recommend location/ Report

This feature allows the user to contribute their knowledge to the Animal-Welfare community by making a report on where others could find such a brand. This page requires the user to input the name of the brand that he/ or she wants to recommend and information about the store which has that product (Store name, address, postcode and state). Upon successfully recommend a location, the web app will display a message to notify the user.

The screenshot shows a web application interface for recommending a location. At the top, there is a header bar with the text "Kinder-Animal-Food" on the left and "Admin Page" and "Browse" on the right. Below the header, there is a "Back" button and a search bar containing the text "Brand Egg". The main content area contains four input fields: "Store name" with placeholder "Enter the store name", "Store address" with placeholder "Enter the store address", "Store postcode" with placeholder "Enter the postcode", and "Store state" with placeholder "Enter the state". A blue "Submit" button is located below these fields.

Figure 10. Recommend location page/ Report page



Figure 11. Recommend successfully

5. Locate

As we mentioned above, the recommendation location is used to contribute to the public regarding Animal-Welfare matter; Meanwhile, the locate function was implemented to exploit on that contribution. In specific, if the recommendation made by the user is approved by the admin, other consumers who have interest in Kinder-Animal-Food can access the locate function and search for locations which have a specific brand.

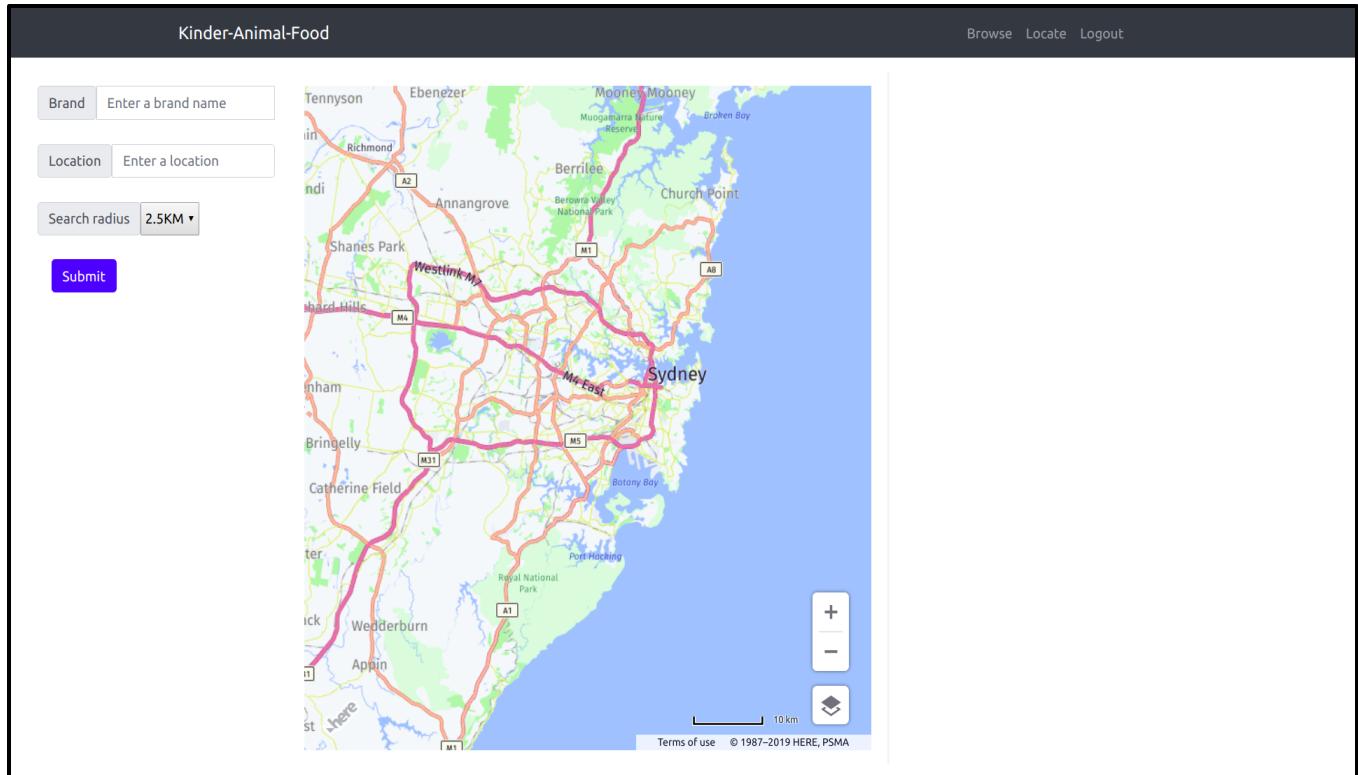


Figure 12. Report page

Hence, he/ or she only has to type in the Brand and Location (On the left-hand side of the interface). Once the request is submitted, the system will automatically display the name and address of the stores with the desired products (Refer to figure 13). Moreover, the user can choose the searching radius (The app provides 3 options: 2.5 Kilometers, 5 Kilometers and 7.5 Kilometers closed to the user).

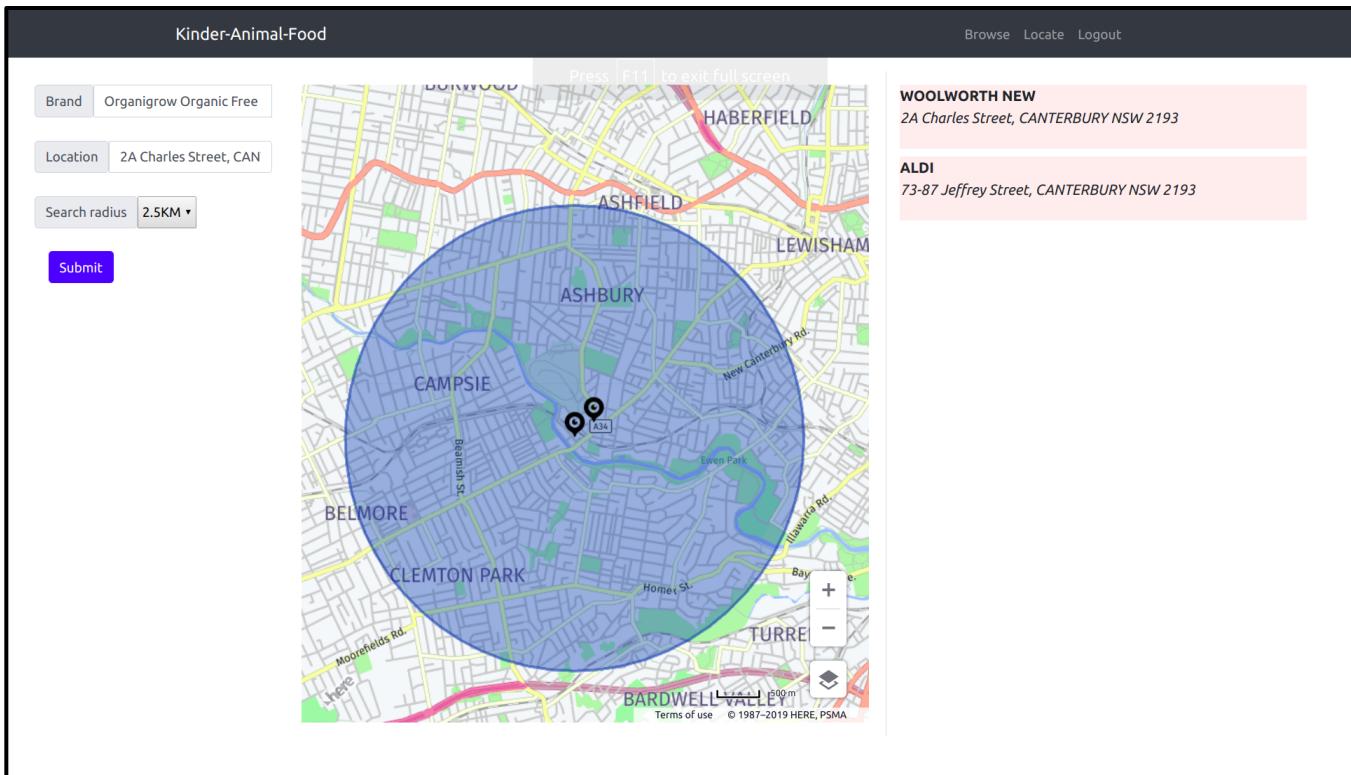


Figure 13. Report page – display result

B. ADMIN-SIDE

1. Check Report Component

The administrator can access the System page by the Admin page link on the navigation bar. The administrator can see reports from users. There is a table to show the report time, brand name, store name, store address, delete checkbox and add report link for each report. This table only shows the report that the report status is “P”, which is pending. There is a search function for searching and a page-turning function. A select tag[1] is shown on the top of the table, it is for the administrator to select how many reports are going to show in one page, options in the select tag are 10, 25 and 50. A select all checkbox[2] is next to the “Delete” text in the table header, which is a button to select all reports in the page in the table, the administrator can also select reports by the checkbox for each report[3]. There is a delete button [4] to delete reports which administrator decides the report contains mistakes. An alert message box will appear if there are no reports selected [5]. An alert message box will appear if the delete button is clicked to ensure that it's not a misclick [6].

Reported stores and brands from user						
Show	10	1 entries	Delete	4	Search: <input type="text"/>	
Report Time	Brand Name	Store Name	Store Address	Delete	2	Add Report
2019-10-11 10:59:59.0	B egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-11 12:59:59.0	B egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-11 16:59:59.0	B egg	Coles	150 George St, Sydney	<input type="checkbox"/> 3		Add Report
2019-10-12 16:59:59.0	B egg	Coles	650 George St, Sydney, NSW, 2000	<input type="checkbox"/>		Add Report
2019-10-13 16:59:59.0	A egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-14 16:59:59.0	B egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-17 13:59:59.0	B egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-17 16:59:59.0	B egg	Coles	655 George St, Sydney	<input type="checkbox"/>		Add Report
2019-10-18 16:59:59.0	B egg	Coles	61-79 Quay St, Haymarket	<input type="checkbox"/>		Add Report
2019-10-20 16:59:59.0	B egg	Coles	650 George St, Sydney	<input type="checkbox"/>		Add Report

Showing 1 to 10 of 12 entries

Previous 1 2 Next

Figure 14. Check report-component

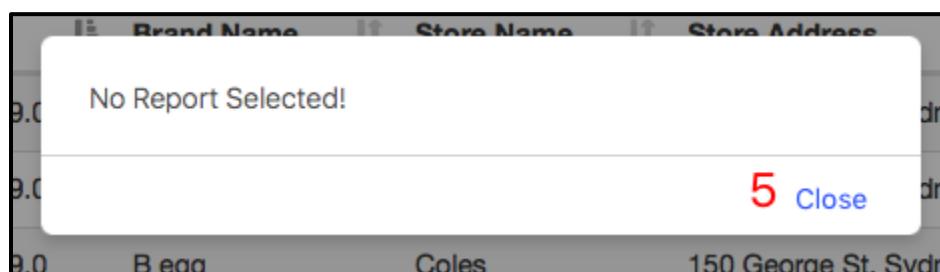


Figure 15. Check report-Delete Alert 1

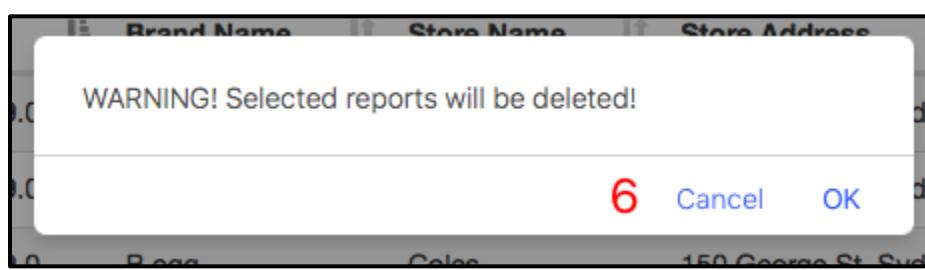


Figure 16. Check report-Delete Alert 2

After the administrator clicks “OK”, the status of the report will be set to “D”, which is deleted. The deleted report will not display in the report table.

After the Add Report Link is clicked, there is a dialogue box for the administrator to select the correct address based on the address user typed in. After the administrator determines the Store name, address, postcode and state by user typed in (If postcode or state is null, it will not be shown.), the admin should choose the correct store address and click “Add Report Confirm” button or just close the dialogue box if none of them is corrected. For example, there are total of 10 addresses and 2 are shown, provided by an Australian address API in the figure. After the “Add Report Confirm” button is clicked, the server will try to get the longitude and latitude by

the store address, there is a message if failed. The server will check if the store has existed, if not, the new store will be added into the database. The server will check if the brand id and store id have existed in the "Product" table from the database. If not, the brand id and store id will be added and the number of brands for the corresponding store plus 1. The status of the report will be set to "C", which is confirmed. There is one alert message for every stage in the "Add Report Confirm" function.

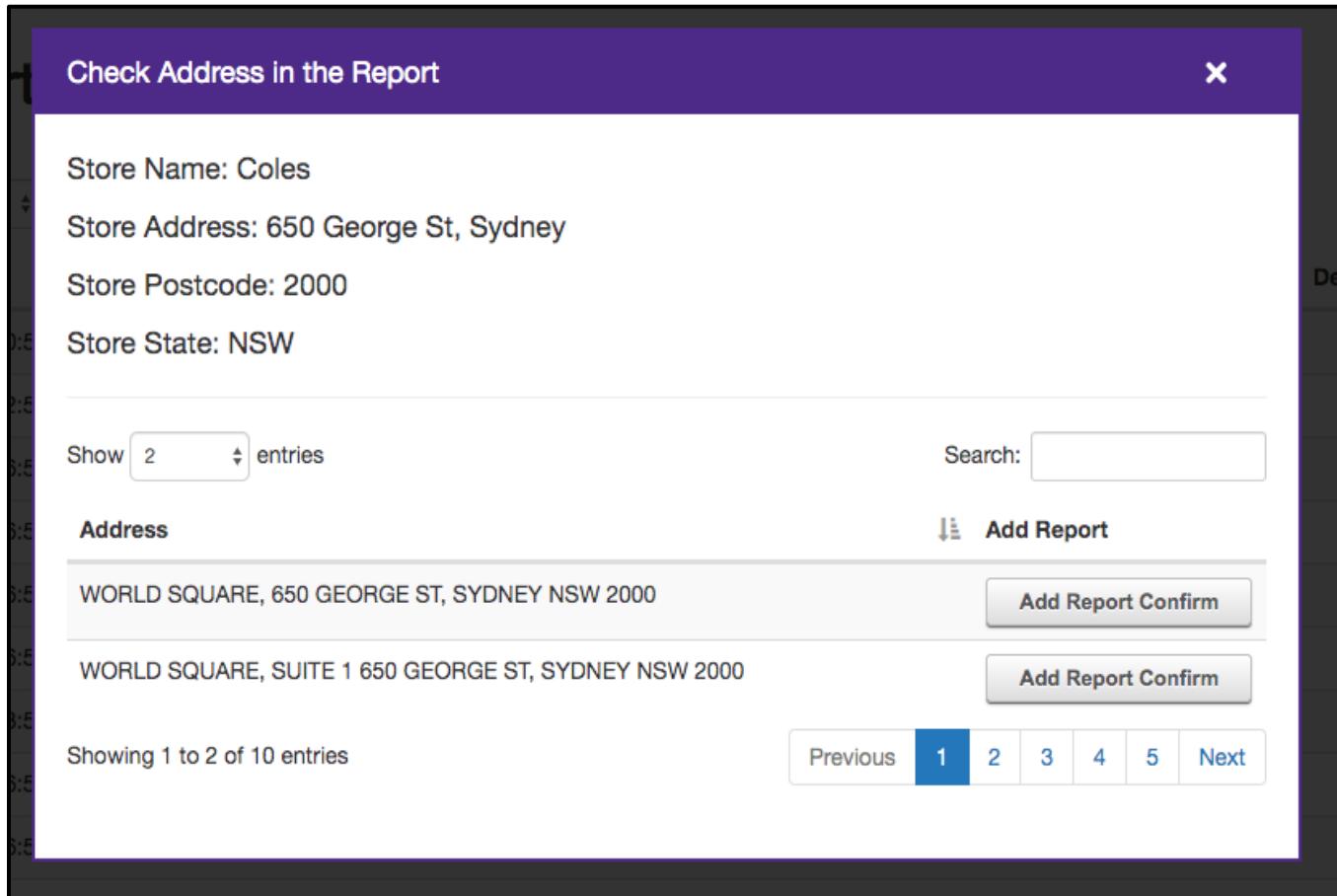


Figure 17. Check Address in the report

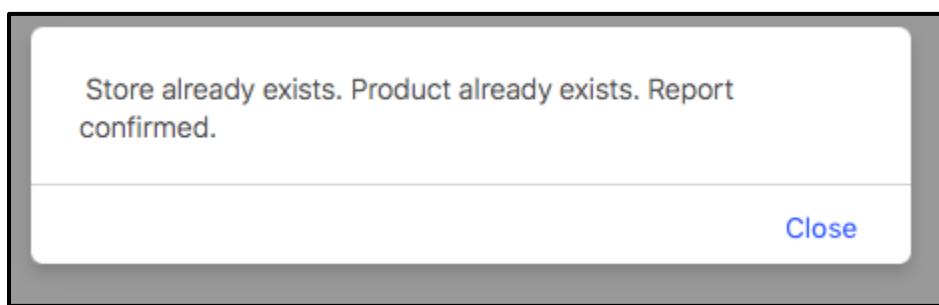


Figure 18. Add report – return message

2. Insert Data Component

a. Insert Brand

There is a select tag for the administrator to insert brand data or store data. To insert a new brand, the administrator needs to enter the brand's name, brand's category, accreditation and select rating. The administrator can search and select existing accreditation, the corresponding rating will automatically be selected. Brand image is not necessary, but the administrator can choose a file from a local file if there is an image for the new brand, otherwise, brand image is the default image. The Submit button will handle the insertion and the Reset button will clear all texts the administrator typed in. There are tips under the input box if there the input boxes are null, and the insert button is clicked. The server will check if the brand exists. If not, a new brand will be added and there is a return message.

The screenshot shows a web-based form titled "Insert Data". A navigation bar at the top has two tabs: "Brand" (selected) and "Store". Below the tabs, the main content area is titled "Insert New Brand".
The form fields are as follows:

- Brand Name:** Input field containing "Please enter the brand name".
- Brand Category:** Input field containing "Please enter the category".
- Accreditation:** Input field containing "Please enter the accreditation".
- Rating:** A dropdown menu showing "Best" as the selected option.
- Brand Image:** A file upload field with a "Choose File" button and the status "no file selected". To its right is a placeholder image icon and the text "No image available".

At the bottom of the form are two buttons: "Reset" on the left and "Brand Insert" on the right.

Figure 19. Insert new Brand

Accreditation

Cage Caged
New Cage caged
Cage Caged2

Reset

Figure 20. Insert Brand Accreditation

Brand Name

Please enter the brand name

Please enter the brand name!

Brand Category

Please enter the category

Please enter the category!

Accreditation

Please enter the accreditation

Please enter the accreditation!

Figure 21. Insert Brand Error

b. Insert Store

To insert a new store, the administrator needs to enter the store's name, state, postcode and address. The Submit button will handle the insertion by a “Check address” dialogue box which is same as the dialogue box in the Check Report Component. By an Australian Address API, the administrator needs to choose the correct address, postcode and state will automatically display in the input box if the address is selected. The administrator can type the address if not exist, but the postcode is limited to 4 digits and the state is up to 3 English alphabets. The Reset button will clear all texts the administrator typed in.

Insert Data

Store 

Insert New Store

Store Name

Please enter the store name

Store Address

Please enter the store address

Store State

Please enter the store state

Postcode

Please enter the store postcode

Reset

Store Insert

Figure 22. Insert new Store

Store Address

650 Geo

650 George Street, SYDNEY NSW 2000

650 George Street, SOUTH WINDSOR NSW 2756

650 Geographe Bay Road, BROADWATER WA 6280

650 George Bass Drive, MALUA BAY NSW 2536

Suite 1, 650 George Street, SYDNEY NSW 2000

Suite 2, 650 George Street, SYDNEY NSW 2000

Suite 3, 650 George Street, SYDNEY NSW 2000

Figure 23. Insert Store Address Search

There are tips under the input box if there the input boxes are null, and the insert button is clicked. The server will try to get the longitude and latitude by the store address, there is a message if failed. The server will check if the store is existing. If not, a new store will be added and there is a return message.

The screenshot shows a form with four input fields:

- Store Name:** Input field contains "Please enter the store name". Below it, a red error message says "Please enter the store name!"
- Store Address:** Input field contains "Please enter the store address". Below it, a red error message says "Please enter the store address!"
- Store State:** Input field contains "Please enter the store state". Below it, a red error message says "Please enter the store state!"
- Postcode:** Input field contains "Please enter the store postcode". Below it, a red error message says "Please enter the store postcode!"

Figure 24. Insert Store Error

3. Update/ delete brand data

Upon going to Update/ Delete brand feature, the server will display a table containing all brands in the database. Through this table, the administrator can delete the brand. Deleting a brand here will remove the brand in the brand table, and will remove all the connection of this brand and its associated accreditation, as well as the connection between this brand and those stores which have this brand. By clicking on the brand name, the administrator can enter the Brand Detail page.

The screenshot shows a table titled "Update/ Delete Brand" with the following data:

Brand Name	Accreditation	Category	Delete
B egg	Cage Caged--good New Cage caged--avoid	egg	<input checked="" type="checkbox"/>
C egg	New Cage caged--avoid	egg	<input type="checkbox"/>
D egg	New Cage caged--avoid	egg	<input type="checkbox"/>
E egg	New Cage caged--avoid	egg	<input type="checkbox"/>
F egg	New Cage caged--avoid	egg	<input type="checkbox"/>

Figure 25. Update/ Delete Brand data

a. Brand summary page

Figure Brand Details is a brand details page. This page has two tabs, one is summary and the other is accreditation. The default is to enter the summary page. The summary page shows the brand image, name, category and the number of accreditations the brand has. There is also a link to the edit brand page.

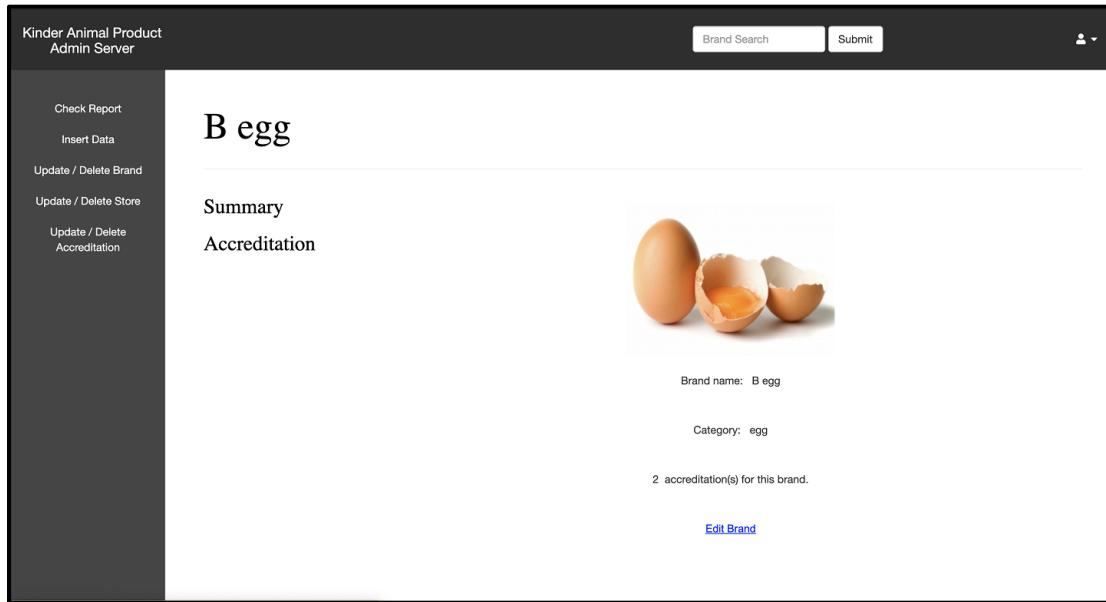


Figure 26. Brand detail

b. Edit brand page

In the edit brand interface, the administrator can change the brand name, category and can upload images to the brand. Fill in the required information and click confirm the edit. The data will be updated in the database.

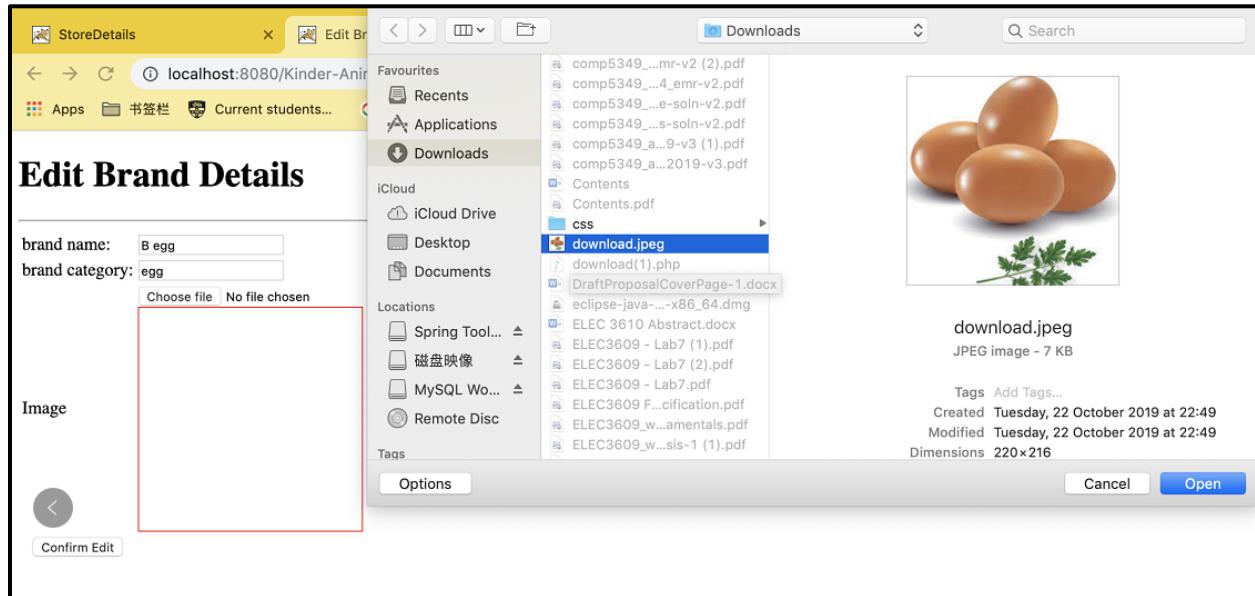


Figure 27. Edit Brand

c. Brand accreditation page

Clicking on accreditation on the brand detail page allows the administrator to go to the brand accreditation page. This page shows the accreditations currently owned by the brand and the certifications that are not

currently owned by this brand but are in the accreditation table in the database. The administrator can change this brand's accreditation by simply clicking delete and add.

Kinder Animal Product Admin Server

B egg

Accreditation	Rating
New Cage caged	avoid

Search Accreditation to add

Accreditation	Rating
Cage Caged	good

[Add](#)

Summary

Accreditation

select all [Delete](#)

Search Accreditation to delete

Search

Figure 28. Brand Accreditation

4. Update/ delete Accreditation

Upon going to Update/ Delete accreditation feature, the server will display a table containing all accreditations in the database. Through this table, the administrator can delete the accreditations. Deleting a brand here will remove the accreditation in the accreditation table, and will remove all the connection of this accreditation with its associated brands. By clicking on **Edit**, the administrator can enter the Edit accreditation page. And by clicking on **Add New Accreditation**, the administrator can enter the add new accreditation page.

Kinder Animal Product Admin Server

Update/ Delete Accreditation

Accreditation Search

select all [Delete](#)

Accreditation Name	Rating	Delete
Cage Caged	good	Edit <input type="checkbox"/>
New Cage caged	avoid	Edit <input type="checkbox"/>

[Add New Accreditation](#)

< << >> >| 1 / 1

Brand Search [Submit](#)

Figure 29. Update/ delete accreditation

a. Edit Accreditation

On the edit accreditation page, the administrator can change the name and rating of the accreditation. When clicking the confirm edit button, the changes will take effect in the database.

The screenshot shows a web page titled "Edit Accreditation Details". At the top, there is a text input field labeled "Accreditation name:" containing the value "Cage Caged". Below it is a "Rating" section with a dropdown menu open, showing three options: "Best" (which is checked), "Good", and "Avoid". A "Confirm Edit" button is located just below the rating section. The background of the page is white, and the text is in a standard black font.

Figure 30. Edit accreditation

b. Add new accreditation

On the Add new accreditation page, the administrator can insert the name and rating of the accreditation. When clicking the Accreditation insert button, the insert will take effect in the database.

The screenshot shows a web page titled "Add new Accreditation". It has a similar layout to Figure 30, with an "Accreditation name:" input field containing "New Cage caged" and an open "Rating" dropdown menu showing "Best" (checked), "Good", and "Avoid". A "Accreditation Insert" button is positioned next to the rating dropdown. The overall design is consistent with the previous figure, using a white background and black text.

Figure 31. Add new accreditation

5. Update Delete Store

Use the update/delete store function after clicking the 'Update/Delete Store' button in the navigation bar.

This feature displays all stores stored in the database (Figure 32). The administrator can tick checkboxes by processing one by one or use 'Select all'. Click 'Delete' to delete the chosen stores. If the list is too long to show all the stores, they will be paginated to show 10 stores per page. By clicking the name of a store can administrator enter store details page.

Store Name	Address	State	Post Code	Number of Brand	Delete
Coles	22 Salt Ash Avenue, SALT ASH NSW 2318	NSW	2318	0	<input type="checkbox"/>
WW	2 King St	NSW	2100	0	<input type="checkbox"/>
Coles	222B Princes Highway, SYLVANIA NSW 2224	NSW	2224	0	<input type="checkbox"/>

Figure 32. Update/ Delete Store feature

If the administrator wants to search for a specific store, he/she can type in a part of the store 's name and search, and it is case insensitive. In figure 33, it is an example for searching for 'c'.

Figure 33. Search for 'c'

a. Store summary page

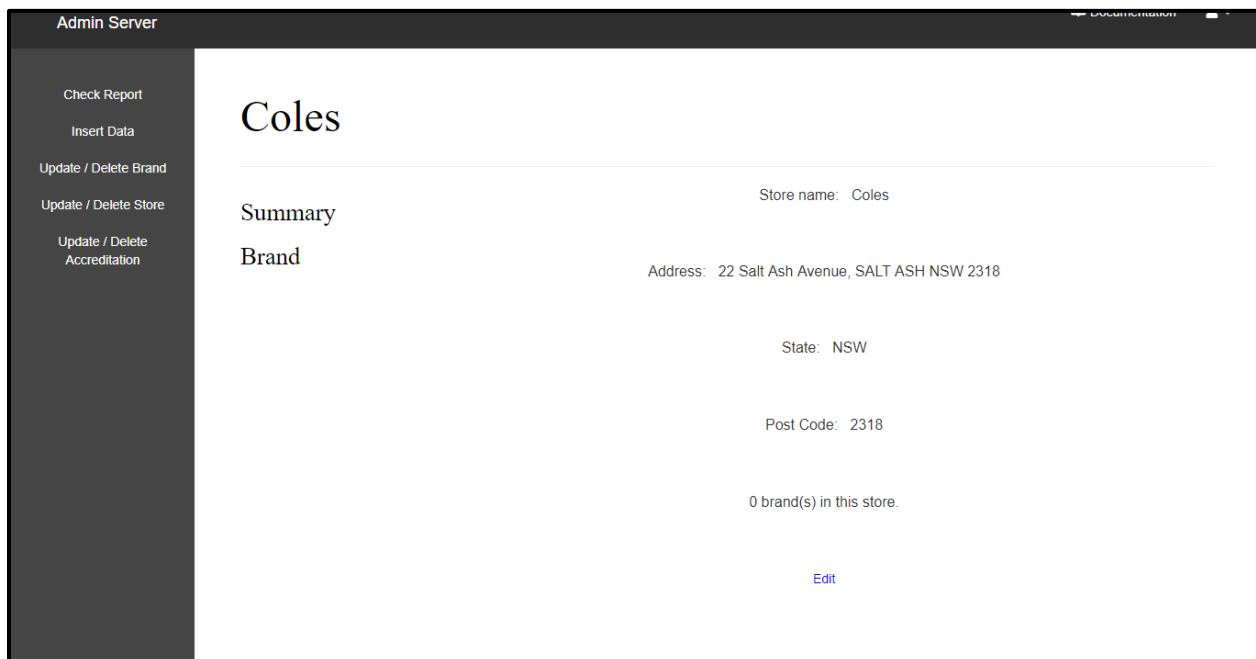


Figure 34. Store summary page

In-store summary page, the administrator can edit store details by clicking 'Edit', and there is a new pop-up window. He/she can edit the store's name, address, state and postcode here. After typing some characters into Address label, a drop-down list showing some similar addresses provided by Addressfinder will appear (Figure 35).

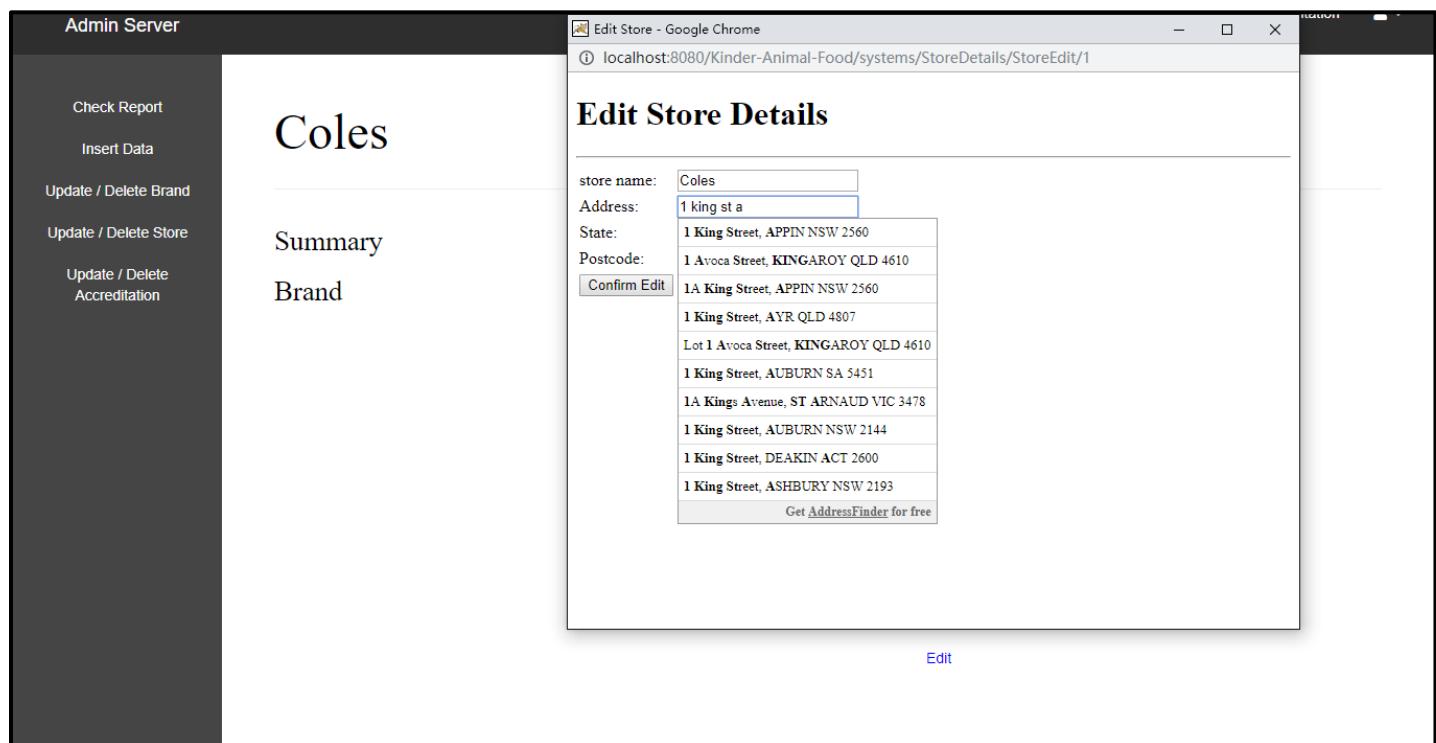


Figure 35. Store Edit Page

After confirming the edit, a message will be displayed indicating whether the edit was successful (Figure 36). The edit cannot be confirmed if any of the fields are not filled in (figure 37).

The screenshot shows a web application interface for managing stores. On the left, a sidebar menu lists options: Check Report, Insert Data, Update / Delete Brand, Update / Delete Store, and Update / Delete Accreditation. The main area displays the details for 'Coles'. The 'Edit' button is visible at the bottom.

Edit Store Details

store name: Coles
Address: 22 Salt Ash Avenue, SALT A
State: NSW
Postcode: 2318

Confirm Edit

Store edit success.

Figure 36. Store Edit Successfully

The screenshot shows the same web application interface as Figure 36. The 'Edit' button has been clicked without filling in the 'store name' field. A red validation message 'Please enter the store name!' appears next to the empty input field.

Edit Store Details

store name: Please enter the store name!
Address: 22 Salt Ash Avenue, SALT A
State: NSW
Postcode: 2318

Confirm Edit

Figure 37. Store Edit Failed

b. Store brands page

In the brand page, the administrator can add or delete brands sold by store (Figure 38). The administrator can tick checkboxes by processing one by one or use 'Select all'. Click 'Delete' to delete the chosen brands. If the list is too long to show all brands, they will be paginated to show 10 brands per page.

The screenshot shows the 'Store Brand Page' for 'Coles' located at '22 Salt Ash Avenue, SALT ASH NSW 2318'. The left sidebar contains links for 'Check Report', 'Insert Data', 'Update / Delete Brand', 'Update / Delete Store', and 'Update / Delete Accreditation'. The main area has tabs for 'Summary' and 'Brand'. Under 'Brand', there is a 'Brand Search' input field, a 'Search' button, and buttons for 'select all' and 'Delete Brand'. A link 'Add Brand To Store' is also present. A table lists brands with columns for 'Brand Name', 'Category', and 'Delete Brand'. The table data is as follows:

Brand Name	Category	Delete Brand
A egg	egg	<input type="checkbox"/>
C egg	egg	<input type="checkbox"/>
D egg	egg	<input type="checkbox"/>

Figure 38. Store Brand Page

If the administrator wants to search for a specific brand, he/she can type in a part of brand name and search, and it is case insensitive. In Figure 39, it is an example for searching for 'a'.

The screenshot shows the 'Store Brand Page' for 'Coles' located at '22 Salt Ash Avenue, SALT ASH NSW 2318'. The left sidebar contains links for 'Check Report', 'Insert Data', 'Update / Delete Brand', 'Update / Delete Store', and 'Update / Delete Accreditation'. The main area has tabs for 'Summary' and 'Brand'. Under 'Brand', there is a 'Brand Search' input field containing 'a', a 'Search' button, and buttons for 'select all' and 'Delete Brand'. A link 'Add Brand To Store' is also present. A table lists brands with columns for 'Brand Name', 'Category', and 'Delete Brand'. The table data is as follows:

Brand Name	Category	Delete Brand
A egg	egg	<input type="checkbox"/>

Figure 39. Search for 'a'

By clicking 'Add Brand to Store' an administrator add new brands to the chosen store (Figure 40). A list of every brand which is not included in the store will appear. The list contains the Brand Name, Accreditation of brand and category. He/she can also use a search bar to search for specific brands. Click 'Add' to add the chosen brands to store.

Admin Server

Check Report
Insert Data
Update / Delete Brand
Update / Delete Store
Update / Delete Accreditation

Coles
22 Salt Ash

Summary
Brand

Add brand(s) to the store

Brand Search

Brand Name	Accreditation	Category
B egg	New Cage caged--avoid Cage Caged--good	egg
E egg	New Cage caged--avoid Cage Caged--good	egg

Add Brand To Store

Brand

localhost:8080/Kinder-Animal-Food/systems/StoreBrand/StoreBrandAdd/1

Figure 40. Add a new brand to store