

COMP3421 Web Application Design and Development

Final Project Report

Pet Online Shop

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Part: Front-end

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Abstract

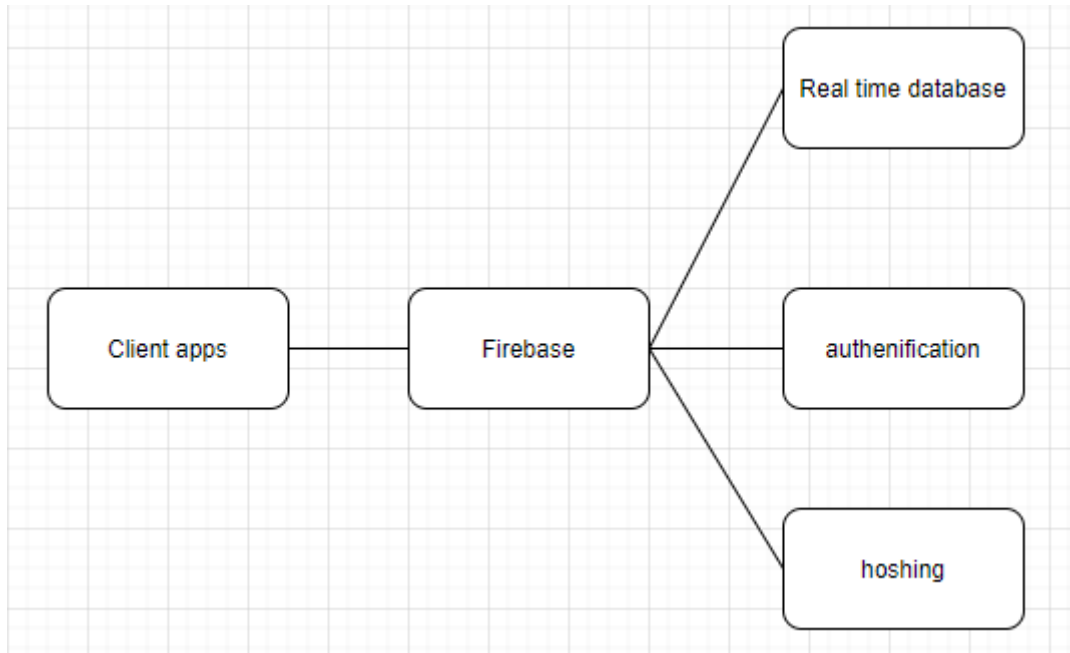
My project is a pet online shop website. This website allows customer buy pet products over the internet. My website design is responsive, therefore our users can visit my website through smart phone either or computer screen as well. The link of my website: <https://pet-shopping-20028987d.web.app/>. Basic features of the website:

- Login/logout
- Register account
- Setting user profile
- View items
- Filter/Search items
- Shopping cart
- Checkout

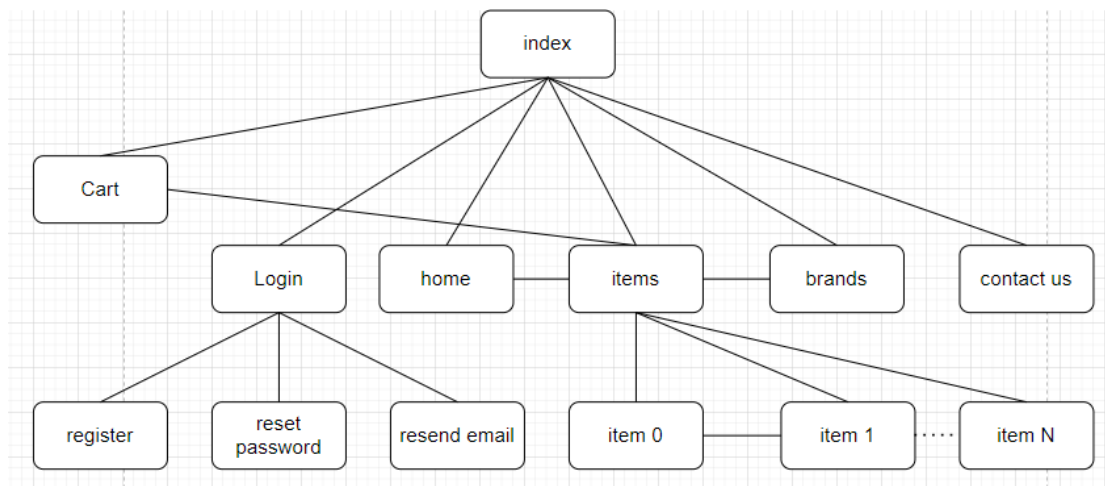
- View payment records
- Contact our company

System Structure

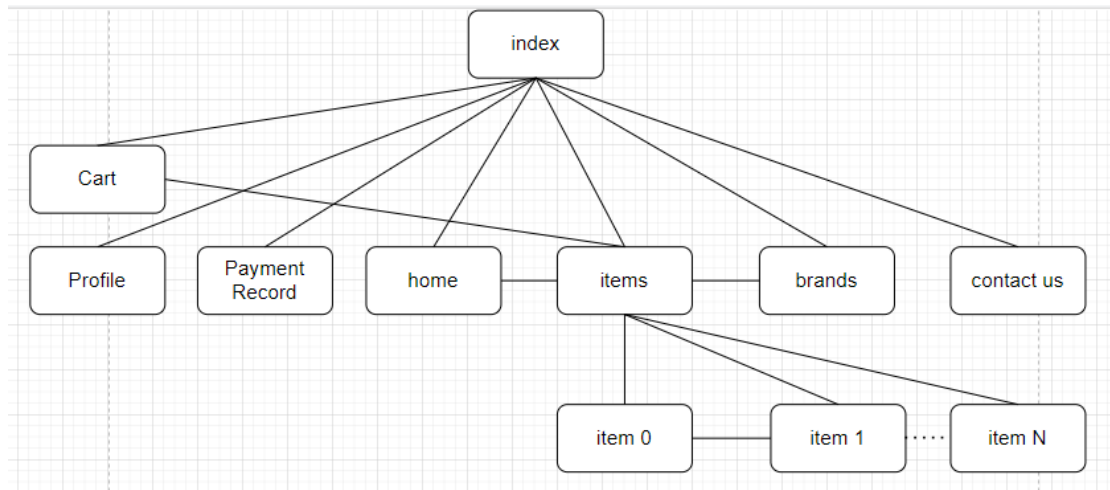
Firestore



Guest



User



The components of the system and their functionalities

Register Page: <https://pet-shopping-20028987d.web.app/register.html>

(See appendix 1)

Name	Type	Functionalities
Login now	Link	Go to login page
Sign up	Button	<ul style="list-style-type: none"> ● Check whether the sign up form is valid. ● Submit the sign up form if the sign up form is valid. ● Store the register information to the database.
Sign up form	Form	Input required register information. Input: <ul style="list-style-type: none"> ● Full name ● Email ● Password ● Confirm Password ● Birthday ● Phone Number

		<ul style="list-style-type: none"> ● Gender
--	--	--

Login Page: <https://pet-shopping-20028987d.web.app/login.html>

(See appendix 2)

Name	Type	Functionalities
Login Form	Form	Input required login information. Input: <ul style="list-style-type: none"> ● Email ● Password
Login	Button	<ul style="list-style-type: none"> ● Check login form's validity ● Check whether the user is already login. ● If the form is valid, check whether the email and password is correct. ● Check whether your email had verified. ● If the email and password is correct and the email was verified, then alert the user "Login success", then redirect to homepage.
Create One	Link	Go to register page
Reset Password	Link	Go to reset password page
Resend Email	Link	Go to resend email page

Reset Password Page: https://pet-shopping-20028987d.web.app/reset_password.html

(See appendix 3)

Name	Type	Functionalities
------	------	-----------------

Email input	Input	Input the user email
Send	Button	<ul style="list-style-type: none"> ● Check the user record that whether the email is valid. ● Send the reset password to the email that the user provided if the email is valid, then go to login page.

Resend email page: https://pet-shopping-20028987d.web.app/resend_email.html

(See appendix 4)

Name	Type	Functionalities
Resend email form	Form	We require the correct email and password for resending the verification email.
Send	Button	<ul style="list-style-type: none"> ● Check whether the email and password are correct. ● Resend verification email if the email and password are correct.

Index Page: <https://pet-shopping-20028987d.web.app/index.html>

Index page is a combination of navigation bar and the content pane. The content of content pane can be change to: Cart page, home page, items page, item [0...n] page, brands page, contact us page, profile page and payment record page. Also, we have the scroll back to top button to helps user scroll back to the top of our page.



Navigation bar

(See appendix 5)

Name	Type	State	Functionalities
------	------	-------	-----------------

Login	Button	Before login	Go to the login page.
Cart	Button	Before and after login	Go to the cart page.
Home	Button	Before and after login	Go to the home page.
Items	Button	Before and after login	Go to the items page.
Brands	Button	Before and after login	Go to the brands page.
Contact us	Button	Before and after login	Go to the contact us page.
Search	Input	Before and after login	<ul style="list-style-type: none"> ● Go to the items page and show the search results simultaneously. ● User can search by the id, name, price, sale date, quantity, sale quantity, brand id, brand name, animal type of the item.
My account	Dropdown button	After login	Drop items: <ul style="list-style-type: none"> ● Profile: go to profile page. ● Payment record: Go to payment record page. ● Logout: logout and redirect to login page.

Home page

(See appendix 6)

Name	Type	Functionalities
Carousel	Carousel	Show the 3 newest items
Types of items	Pictures with buttons	Click the shop now button

		will go to the item page with filtered by that item type. It can be cat, dog, small animal or toy.
Features of my shop	Icons with text	Show the features of my shop.

Items page
(See appendix 7)

Name	Type	Functionalities
Results	Text	Show how many results return
#items per page	Dropdown buttons	Choose how many maximum results display on each page, it can be 25,50 or 100.
Sort by	Dropdown buttons	Choose how to sort the results, it can be <ul style="list-style-type: none"> ● Default = sort by id ● Availability = quantity of item > 0 ● Latest ● Popularity = sort by sale quantity ● Price: low to high ● Price: high to low
Reset All	Button	Reset the filter
Collapse All	Button	Collapse the filter
Expand all	Button	Expand the filter
Price filter	Range[low,high]	User can choose the low bound and upper bound of the item's price. And click the filter button to execute the price filter
Type filter	Accordion with multiple checkboxes	Filter by types, or sub-categories of types.
Item	Item	<ul style="list-style-type: none"> ● Show the basic information of an

		item. <ul style="list-style-type: none"> ● Add to Cart button: add this item into cart. ● Click item will go to that item page.
Pagination	Pagination	indicate a series of related content exists across multiple pages.

Brands page

(See appendix 8)

In brands page, it lists out all the brands, user click the brand will go to items page and the items result is filtered by that brand.

Contact Us page

(See appendix 9)

Name	Type	Functionalities
Contact us form	Form	<ul style="list-style-type: none"> ● Allow user send message to our shop. ● This form requires user input: name, title, email and message. ● Send: a button to send message to our shop.
Contact us information	Text	Shop the email address and office hour to the user, so that it provides different ways to user to contact us.

Item [0...n] page

(See appendix 10)

Name	Type	Functionalities
Previous item	Button	Go to previous item page

Next item	Button	Go to next item page
Item information	Text	Show the information of the item including: <ul style="list-style-type: none"> ● Photo ● Id ● Price ● Brand ● Sale date ● Quantity ● Sale quantity ● Type
Add Cart	Button with number input	<ul style="list-style-type: none"> ● The number input represents add how many quantities of that item into cart. ● The add cart button: add that number of quantities into cart.
Comments	Text	Show the users comments including comment and comment date.
Order by	Dropdown button	Change the comments order: latest to oldest or oldest to latest.
Your comment	Textarea	Allow user inputs their comment.
Add comment	Button	Add user comment.

Cart Page

(See appendix 11)

Name	Type	State	Functionalities
Continue Shopping	Button	Cart item = 0	Go to items page
Cart table	Table	Cart item > 0	List what items into cart. Column of the table: <ul style="list-style-type: none"> ● # ● Id: item's id ● Item: item name

			<ul style="list-style-type: none"> ● Price: item price ● Quantity: item quantity ● Total price: item x quantity ● Delete all: delete all items in cart.
Quantity	Number input	Cart item > 0	Change the item quantity. Minimum = 1.
Delete	Button	Cart item > 0	Delete that item in cart.
Price information	Text	Cart item > 0	<p>Show the price information.</p> <ul style="list-style-type: none"> ● Total price: sum of the total price ● Account wallet ● Remain wallet: account wallet – total price.
Shipping address	Text	Cart item > 0	Show the shipping address.
Google map api	Google map api	Cart item > 0	There are 7 shipping address that user can select.
Checkout	Checkout	Cart item > 0	<ul style="list-style-type: none"> ● Check whether remain wallet ≥ 0. ● If remain wallet ≥ 0, checkout success, and clear the cart and go to items page.

Profile page

(See appendix 12)

Name	Type	Functionalities
Profile form	Form	Readonly form that shows

		user information including <ul style="list-style-type: none"> ● Full name ● Birthday ● Phone number ● Gender ● Account wallet
Setting	Button	Change form to be not readonly.
Reset	Button	Reset the form
Save	Button	Save the form input.
Add price	Button	Open the add price model.
Add price model	Model	Allow user inputs the key to increase price into the account.

Payment record page

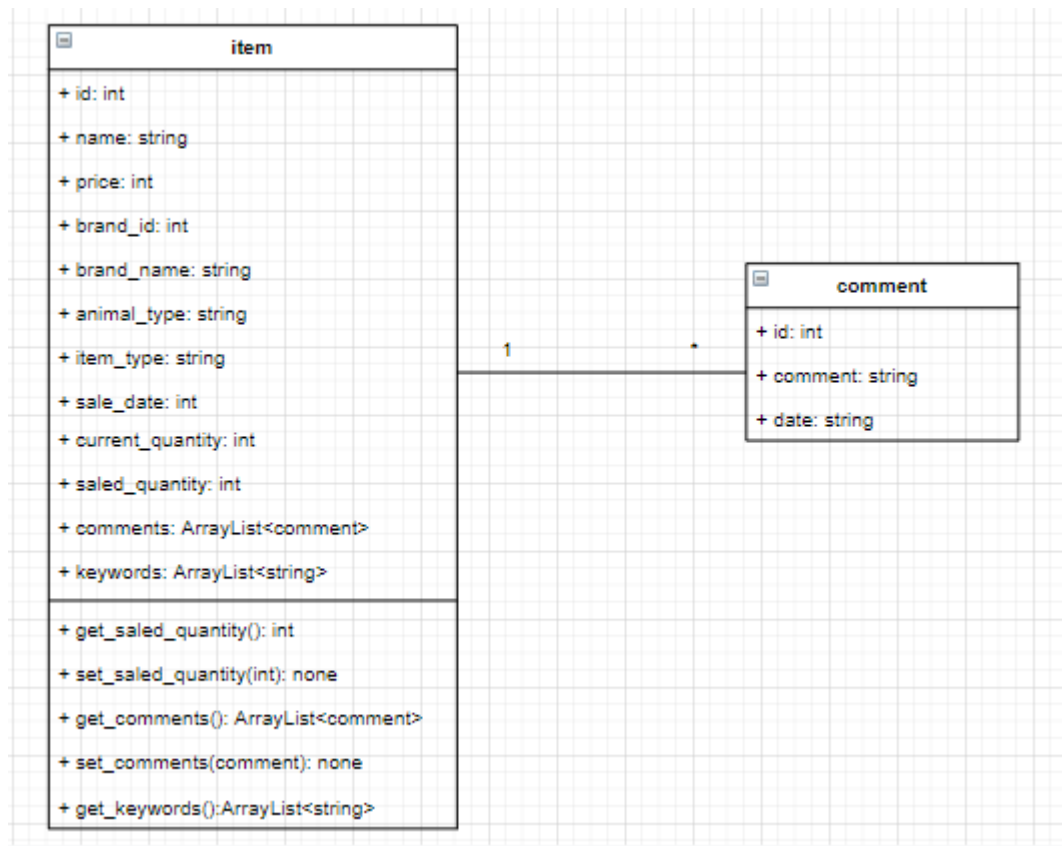
(See appendix 13)

In this page, it shows all the payment record.

Class Diagrams

Item

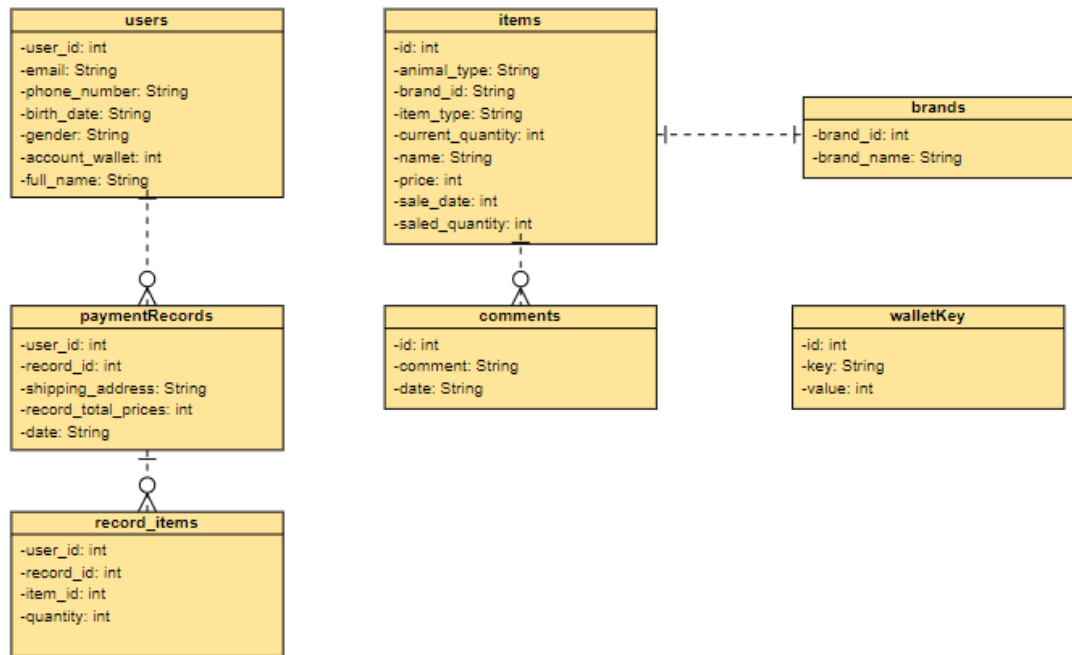
The item class is used to generate items.



Database

We use a JSON document database to stores the information of the customers and the pet items.

The structure of the database



Relationships between tables

- One user can have many payment records.
- One payment record can contain many items.
- One item can have many user comments.
- One item only has one brand.

Tables

- Users table stores the information about the users.
- paymentRecords table stores the payment records of each user.
- record_items table stores what items that the users bought in each record.
- Items table stores the information about the items
- The comments table stores the comments of each item.
- brands table stores the brand id and the brand name for selecting different brand items.
- walletKey table stores different key and its value for adding money in user digital wallet if the user has the key. The key will be discarded after the key was used.

Security

Password Entropy

Password must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters. Allowable special characters:

~ ! @ # \$ % ^ & * () _ + | ` = { } [] : " ; ' < > ? , . Therefore, the password entropy is $\log_2((26 + 26 + 10 + 32)^8) = 52.43 \text{ bits}$. The password entropy is higher, then the attacker takes more time to do brute force attack.

Authentication

The server stores the hash value of the password of the user rather than the server stores the password of the user. Therefore, if the attacker attacks the server successfully, he just can obtain the hash value rather than the password and he cannot recover the password from the hash value.



Email Verification

After the users register their account successfully, they need to verify they are the email owner before they login. Otherwise, they cannot login. The verification method is sending the verification email to their email address. They need to click the link in verification email to verify themselves. Because I assume only the email owner has his/her email account.

HTTPS

HTTPS is a HTTPS with encryption. HTTPS uses TLS (or SSL) to encrypt HTTP requests and responses. In our website, all HTTP requests will automatically redirect to HTTPS. For example, when you enter <http://pet-shopping-20028987d.web.app/> to the browser, the you will get the response of <https://pet-shopping-20028987d.web.app/>.

Programming languages and tools used

- HTML

- CSS
- Javascript
- Bootstrap
- JQuery
- Firebase Authentication
- Firebase Realtime Database
- Firebase Hosting
- Google Maps JavaScript API
- EmailJS JavaScript API

Testing Strategies and results

The W3C Markup Validation Service

- Address: <https://pet-shopping-20028987d.web.app/>

Showing results for <https://pet-shopping-20028987d.web.app/>

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by

<https://pet-shopping-20028987d.web.app/>

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Error** Attribute `onsearch` not allowed on element `input` at this point.
 From line 56, column 13; to line 56, column 179

```
<input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search" id="search_value" list="search_tags"
onkeyup="search()" onsearch="search()">
```

Attributes for element `input`

The error is incorrect. Attribute `onsearch` is allowed on element `input` at this point.

- Address: <https://pet-shopping-20028987d.web.app/login.html>

Showing results for <https://pet-shopping-20028987d.web.app/login.html>

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by

<https://pet-shopping-20028987d.web.app/login.html>

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 391 milliseconds.

No error.

- Address: <https://pet-shopping-20028987d.web.app/register.html>

Showing results for <https://pet-shopping-20028987d.web.app/register.html>

Checker Input

Show

☐ source

☐ outline

☐ image report

Options...

Check by

address ▼

<https://pet-shopping-20028987d.web.app/register.html>

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 315 milliseconds.

No error.

- Address: https://pet-shopping-20028987d.web.app/reset_password.html

Showing results for https://pet-shopping-20028987d.web.app/reset_password.html

Checker Input

Show

☐ source

☐ outline

☐ image report

Options...

Check by

address ▼

https://pet-shopping-20028987d.web.app/reset_password.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 275 milliseconds.

No error.

- Address: https://pet-shopping-20028987d.web.app/resend_email.html

Showing results for https://pet-shopping-20028987d.web.app/resend_email.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by address ▼

https://pet-shopping-20028987d.web.app/resend_email.html

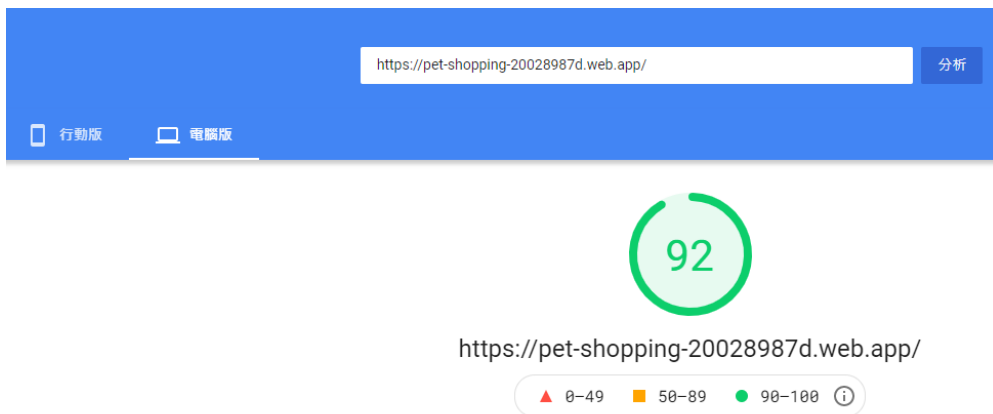
Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

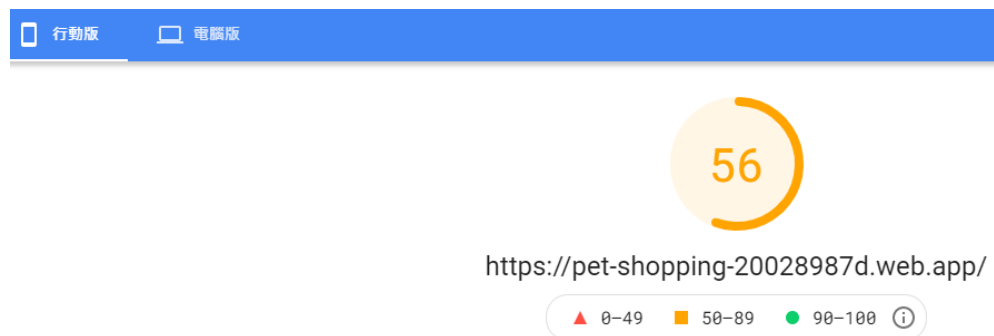
No error.

PageSpeed Insights

- Computer version: 92



- Mobile version: 56



Manual Test

Improvement

PageSpeed

- Resize these images to save data and improve page load time.

- Use JPEG 2000, JPEG XR, and WebP formats rather than JPEG and PNG formats because JPEG 2000, JPEG XR, and WebP are image formats that have superior compression and quality characteristics compared to their older JPEG and PNG counterparts.
- Minifying JavaScript files can reduce payload sizes and script parse time.

Testing Strategy

Test automation rather manual testing. Jest is a delighting javascript testing framework. We could use Jest to do a unit test to make sure our function is performed what we expected.

Payment methods

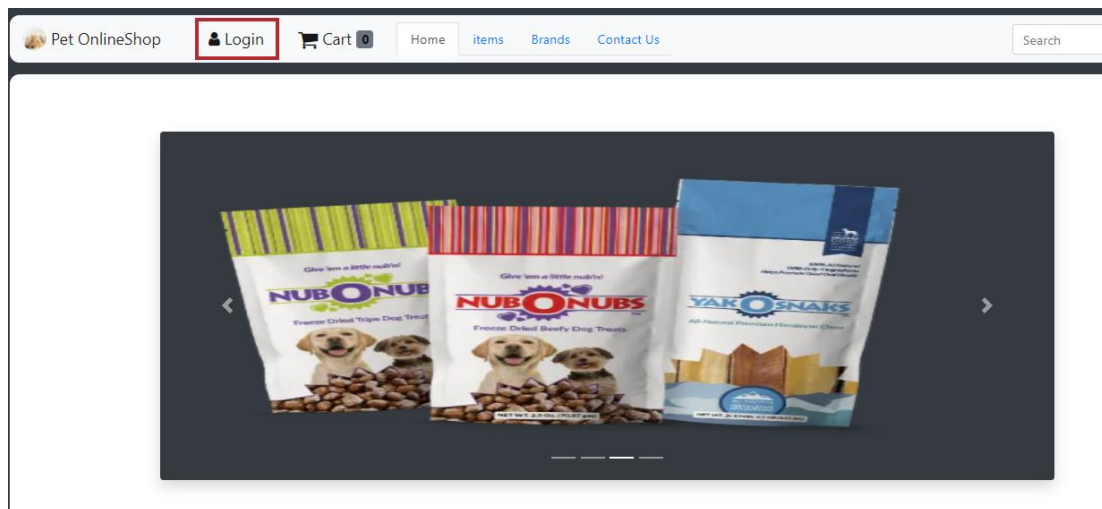
Currently, my website only provides one payment method which is paid by account wallet. We could add more payment methods for user friendliness such as paypal pay, google pay and credit-card payment. These types of payment methods are most popular in the world nowadays. We should add the payment methods to increase the convenience of payment.

User Manual

Introduction the main function of the pet online shop.

Registration:


Click on the button “Login”(1). This will take you to login page. Then, click on the link “Create one”(2). This will take you to register page. In the register page, fill in the register form, then click on the button “Sign up”(3). Noted that password must contain at least one number and one uppercase and lowercase letter and one special character, and at least 8 or more characters. Finally, go to your email, open the verification email(4) and click on the link to verify your email address(5).



(1)

This is the login page of the Pet OnlineShop. It has a circular profile picture of a cat at the top. Below it is the heading 'Login'. There are two input fields: one for 'Email:' with a placeholder 'Email Address' and an envelope icon, and one for 'Password:' with a placeholder 'Password' and a lock icon. A blue 'Login' button is positioned below these fields. At the bottom of the page, there are three links: 'Don't have an account? Create One' (the 'Create One' text is highlighted with a red box), 'Forget Password? Reset Password', and 'Can not receive the verification email? Resend Email'.

(2)



Sign up

Full Name:

Email:

Password:

Confirm Password:

Birth Day:

Phone Number:

Gender:

[Sign up](#)

You have an account? [Login Now](#)

(3)

<input type="checkbox"/>	☆ noreply 2	Verify your email for 20028987D-Pet-Shop - https://pet-shopping-20028987d.firebaseio.com/___/au...	4月26日
<input type="checkbox"/>	☆ noreply	Reset your password for project-953870840108 - Hello, Follow this link to reset your project-953870...	4月26日

(4)

Verify your email for 20028987D-Pet-Shop [收件箱](#) [x](#)

noreply@pet-shopping-20028987d.firebaseio.com 4月26日 週一 下午9:22 (1 日前)

Hello, Follow this link to verify your email address. https://pet-shopping-20028987d.firebaseio.com/___/auth/action?mode=verifyEmail&oobCode=9ioowDGC

noreply@pet-shopping-20028987d.firebaseio.com 4月26日 週一 下午9:43 (1 日前) ☆ [↩](#)

收件箱: 我 ▾

Hello,

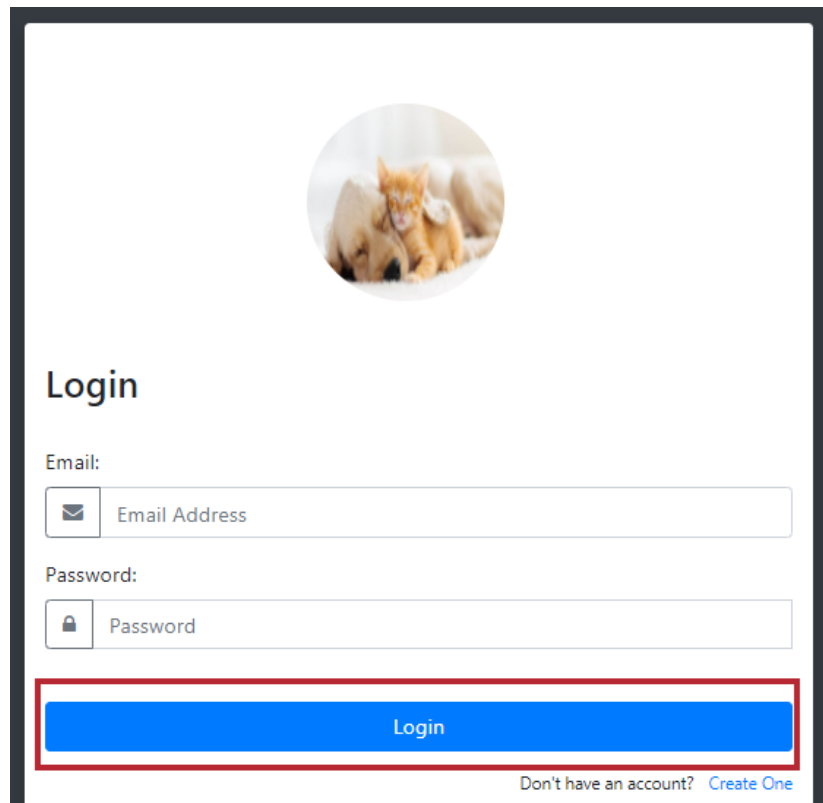
Follow this link to verify your email address.

https://pet-shopping-20028987d.firebaseio.com/___/auth/action?mode=verifyEmail&oobCode=A5qFqXqHQP-1antaikM7gQe7YsOEfh276k39wcH064AAAF5DmuT4Q&apiKey=AlzaSyCS8gF95-YY8dnYhD1tYF85oCnzNzn90sg&lang=en

(5)

Login:

After the registration, it will automatically go to login page. Fill in the email address and password, and then click “login” button to login (6). If login success, it will go back to the index page.



A login form with a circular profile picture of a cat at the top. Below the picture is the title "Login". There are two input fields: "Email:" with an email icon and "Password:" with a lock icon. A blue "Login" button is at the bottom, highlighted with a red border. Below the button is a link: "Don't have an account? [Create One](#)".

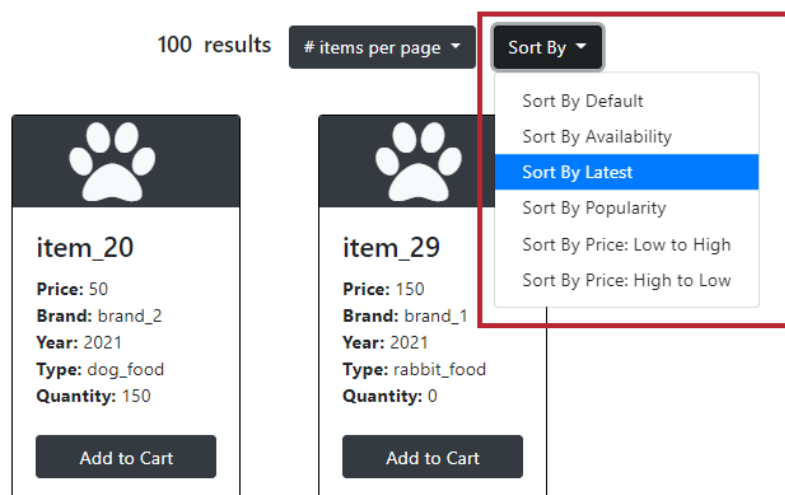
(6)

Search:

There are many ways to search the items.

- **Sort by**

Th items can sort by id, availability, latest, popularity, price: low to high, price: high to low (7).

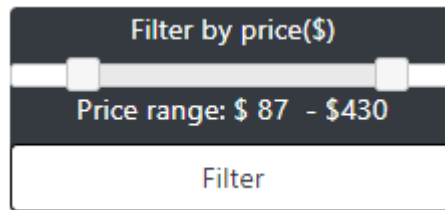


A search results page showing "100 results" and a "# items per page" dropdown. A "Sort By" dropdown menu is open, showing options: "Sort By Default", "Sort By Availability", "Sort By Latest" (highlighted in blue), "Sort By Popularity", "Sort By Price: Low to High", and "Sort By Price: High to Low". Below the menu are two item cards. The first card, "item_20", has a price of 50, brand "brand_2", year "2021", type "dog_food", and quantity "150". The second card, "item_29", has a price of 150, brand "brand_1", year "2021", type "rabbit_food", and quantity "0". Both cards have an "Add to Cart" button.

(7)

- **Filter by price**

You can also filter the price range of the items. Narrow the range of the bar will narrow the price range. Click the filter button will execute the filter (8).

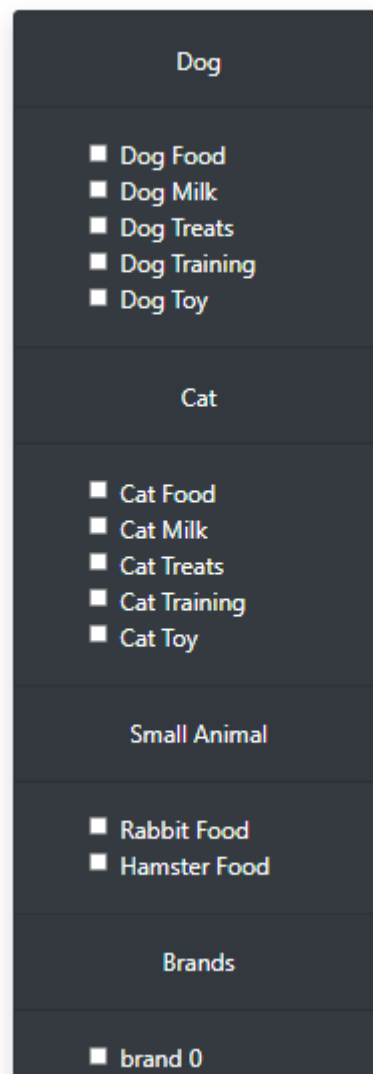


The image shows a dark-themed UI element for filtering by price. At the top, it says "Filter by price(\$)". Below this is a horizontal slider with two white handles. Under the slider, the text "Price range: \$ 87 - \$430" is displayed. At the bottom of the component is a white rectangular button with the word "Filter" in dark text.

(8)

- **Types**

You can select different types of items by click these checkboxes (9).

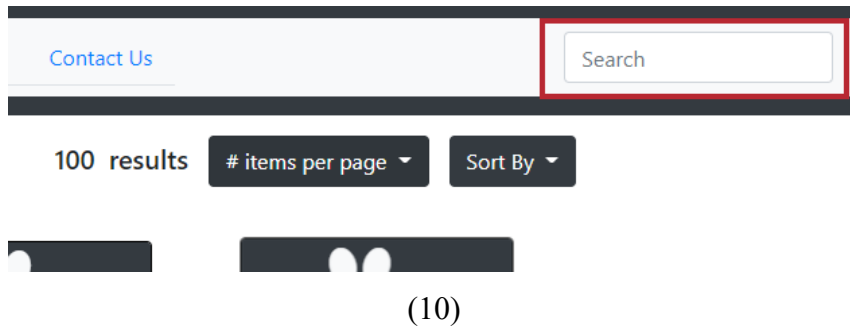


The image shows a dark-themed vertical menu for selecting item types. It is organized into sections: "Dog" (with checkboxes for Dog Food, Dog Milk, Dog Treats, Dog Training, and Dog Toy), "Cat" (with checkboxes for Cat Food, Cat Milk, Cat Treats, Cat Training, and Cat Toy), "Small Animal" (with checkboxes for Rabbit Food and Hamster Food), "Brands", and a final checkbox for "brand 0".

(9)

- **Input search**

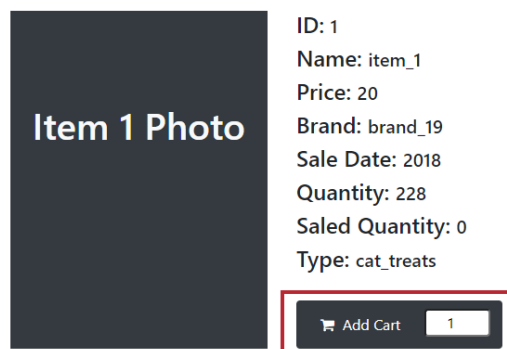
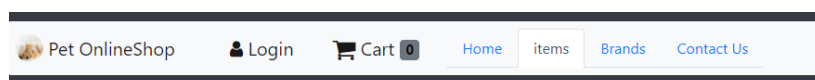
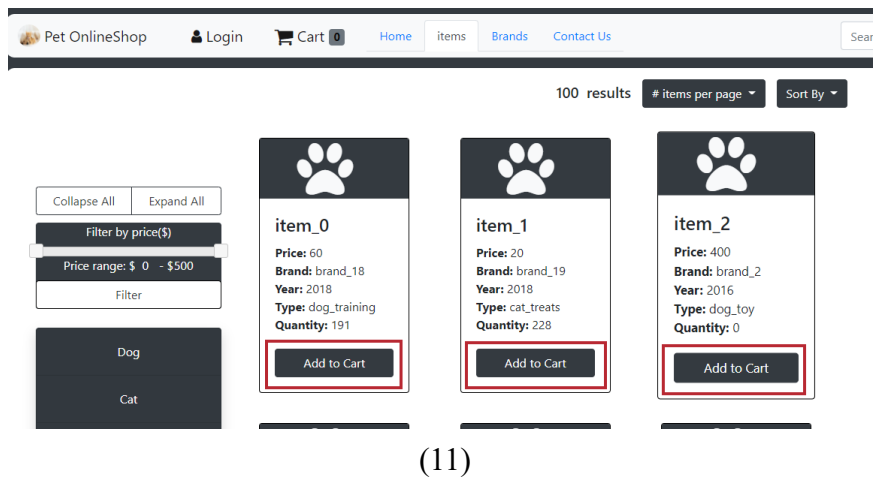
Also, you can type the keyword into the input search (10). It will search whether



Cart:

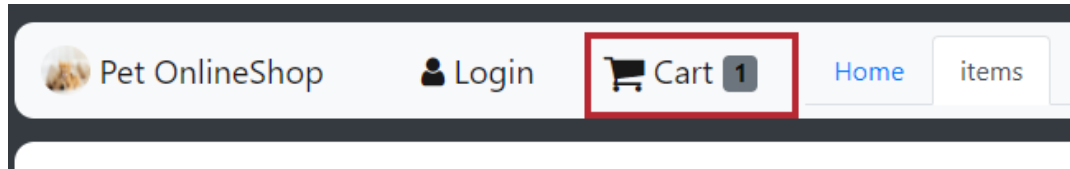
● Add item into cart:

There are 2 ways to add item into cart. The first way is in the items page, click the button “Add to Cart” (11). The second way is in the specific item page, click the button “Add cart” (12).



- **Change the quantity of the item**

First, you go to the cart page by click the “Cart” button on the navigation bar (13). Then, in the cart table, there has a column call “Quantity”, there have a number input in that column, you can change that number to change the quantity of the item (14).



(13)

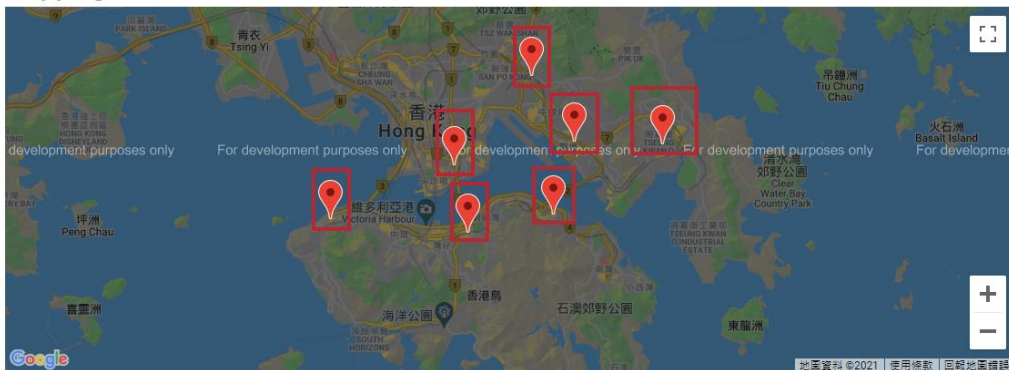
#	Id	Item	Price	Quantity	Total Price	Delete All
1	1	item_1	20	<input type="text" value="1"/>	20	Delete

(14)

- **Change Shipping Address**

There are 7 shipping addresses provided to user select where they collect the items they bought. You can click the red icon in the map to change the shipping address (15).

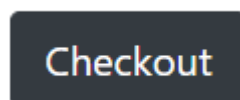
Shipping Address: Hong Kong Polytechnic University West Kowloon Campus 9 Hoi Ting Rd, Yau Ma Tei



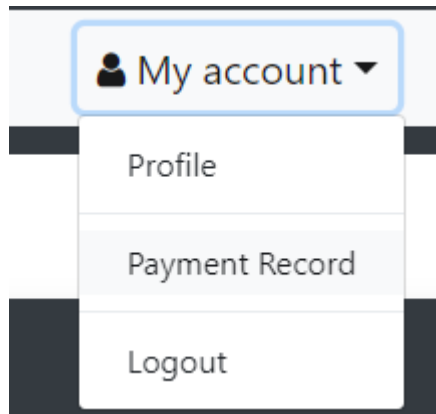
(15)

- **Checkout**

Click the “checkout” button to checkout (16). You can see the result in payment record (17)&(18).



(16)



(17)

#	Id	Item	Price	Qauntity	Total Price
1	15	item_15	70	1	70
Shipping Address: APM 418 Kwun Tong Rd, Kwun Tong			Total Price: 70		Date: 2021-4-27

#	Id	Item	Price	Qauntity	Total Price
1	0	item_0	60	1	60
Shipping Address: APM 418 Kwun Tong Rd, Kwun Tong			Total Price: 60		Date: 2021-4-27

(18)

Application Installation Guide

The website is already deployed by using Firebase. The deployed website link is as follow:

<https://pet-shopping-20028987d.web.app/>

Description of the role each member played in the group

Member	Role
Yiu Kam Wing	All

Appendix

Register Page (appendix 1)

Sign up Form

Full Name:

Email:

Password:

Confirm Password:

Birth Day:

Phone Number:

Gender:

Sign up button

Sign up

You have an account? [Login Now](#)

Login now button

Invalid Sign up

Full Name:

Please provide a full name

Email:

Please include "@" in your email address.

Password:

Password must contain at least one number and one uppercase and lowercase letter and one special character, and at least 8 or more characters

Confirm Password:

The two password entries do not match.

Birth Day:

Please provide a birth day

Phone Number:

The length of the phone number must be 8. Eg. 12345678

Gender:

Please select a gender

Sign up success

pet-shopping-20028987d.web.app 顯示

Sign up Successfully.
Email verification is sent.
Please check your email: comp.gr2.1020@gmail.com

確定

Email verification

Verify your email for 20028987D-Pet-Shop 收件箱 x



noreply@pet-shopping-20028987d.firebaseio.com

下午9:22

收件者：我 ▾

Hello,

Follow this link to verify your email address.

https://pet-shopping-20028987d.firebaseio.com/_/auth/action?mode=verifyEmail&oobCode=9ioowDGQdNBtC8cnWXt35ojh_HYrYEC_h85AzJtrVRQAAAF5Dlgn0A&apiKey=AlzaSyCS8gF95-YY8dnYhD1tYF85oCnzNzn90sg&lang=en

If you didn't ask to verify this address, you can ignore this email.

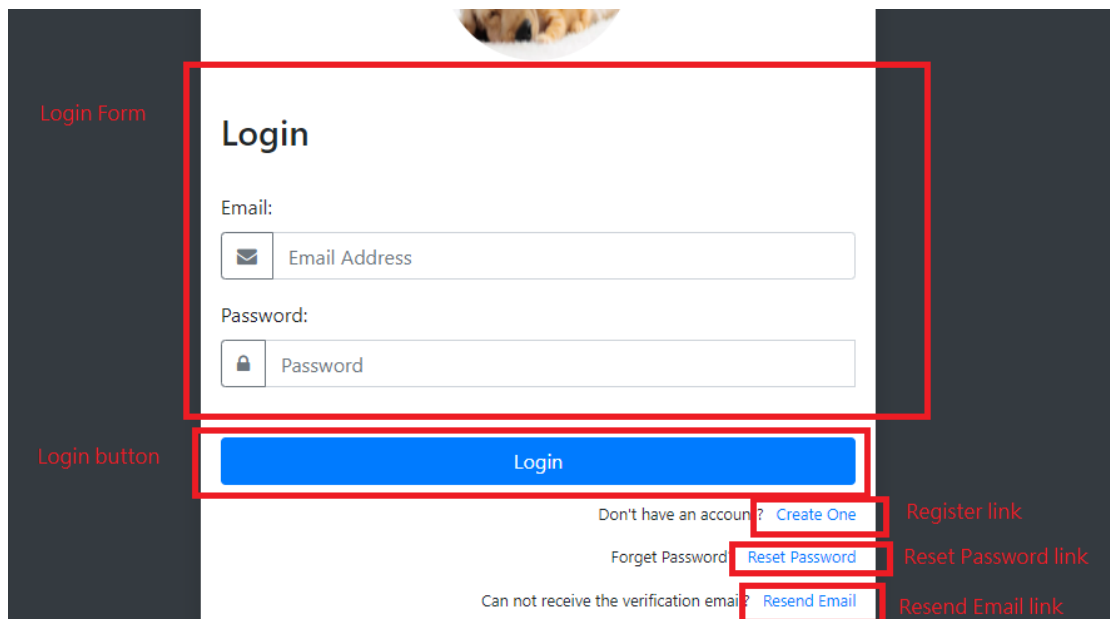
Thanks,

Your project-953870840108 team

Your email has been verified

You can now sign in with your new account

Login Page (appendix 2)



The diagram shows a login page layout with a dark grey background. A white box in the center contains the login form. A red rectangle highlights the form fields, and another red rectangle highlights the login button. Labels on the left side point to the 'Login Form' and 'Login button'. Labels on the right side point to the 'Create One' link, 'Reset Password' link, and 'Resend Email link'. The form includes an email field, a password field, and a login button. Below the form are three links: 'Create One', 'Reset Password', and 'Resend Email'.

Login Form

Login

Email:

Email Address

Password:

Password

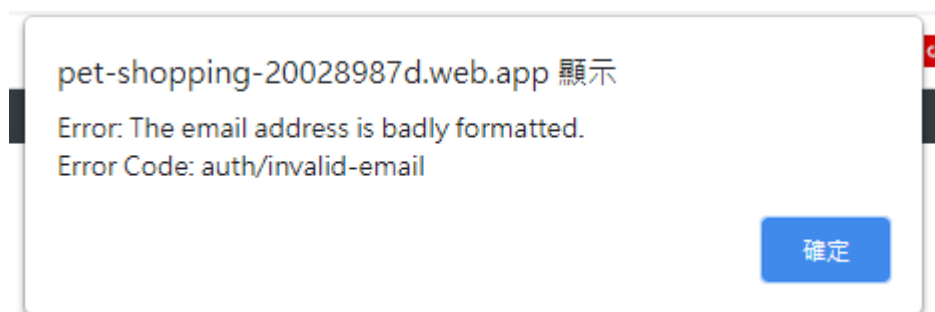
Login button

Don't have an account? [Create One](#) Register link

Forget Password? [Reset Password](#) Reset Password link

Can not receive the verification email? [Resend Email](#) Resend Email link

Invalid Login



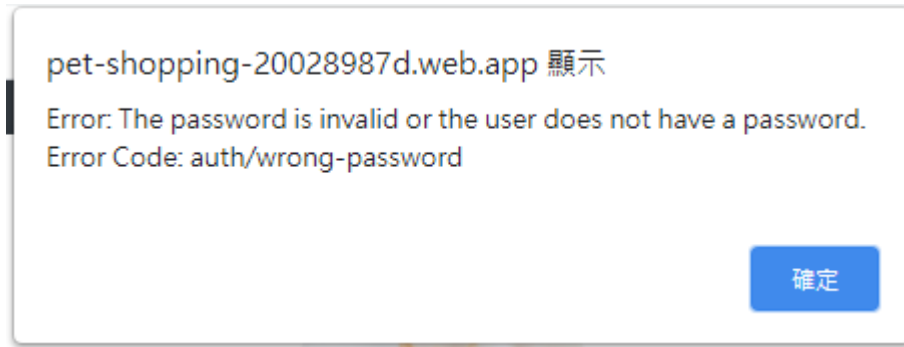
The diagram shows an error message box with a white background and a grey border. The text inside the box reads: 'pet-shopping-20028987d.web.app 顯示', 'Error: The email address is badly formatted.', and 'Error Code: auth/invalid-email'. A blue button with the text '確定' (Confirm) is located at the bottom right of the box.

pet-shopping-20028987d.web.app 顯示

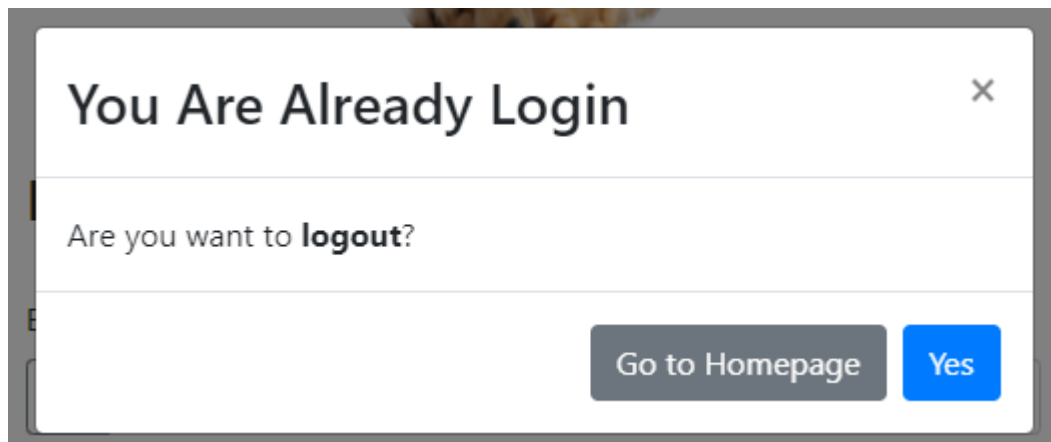
Error: The email address is badly formatted.

Error Code: auth/invalid-email

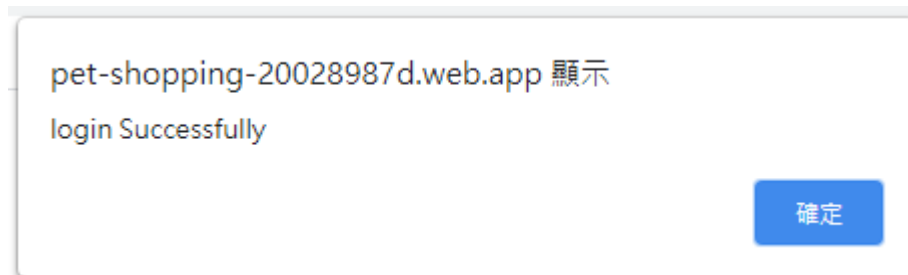
確定



Already Login




Login success



Reset Password (appendix 3)

Reset Password:

example@example.com

Send

Copyright © 2021 Yiu Kam Wing

Invalid email

pet-shopping-20028987d.web.app 顯示

Error: There is no user record corresponding to this identifier. The user may have been deleted.
Error Code: auth/user-not-found

確定

Valid email

pet-shopping-20028987d.web.app 顯示

PasswordResetEmail is sent

確定

Reset password email

Reset your password for project-953870840108 收件箱 x



noreply@pet-shopping-20028987d.firebaseio.com

收件者：我 ▾

下午

Hello,

Follow this link to reset your project-953870840108 password for your comp.gr2.1020@gmail.com account.

https://pet-shopping-20028987d.firebaseio.com/_/auth/action?mode=resetPassword&oobCode=3KtGbO90dKigLBVr24sQq-iXcpGPby20OYLVjJJOTg4AAAF5DmlP_g&apiKey=AlzaSyCS8gF95-YY8dnYhD1tYF85oCnzNzn90sg&lang=en

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Your project-953870840108 team

Reset password

Reset your password

for **comp.gr2.1020@gmail.com**

New password



SAVE

Resend verification email (appendix 4)

Resend Email:



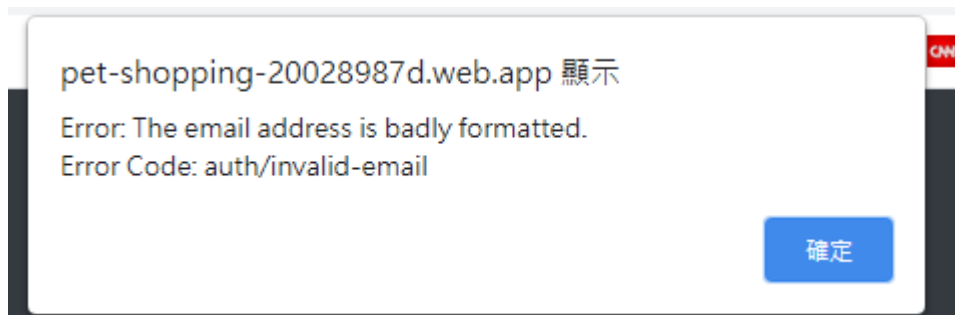
example@example.com



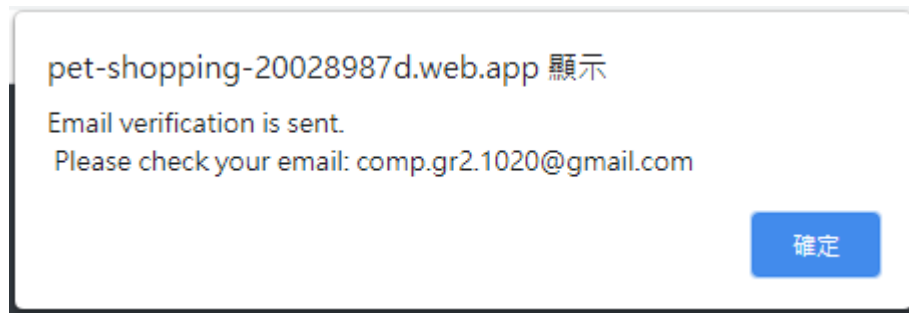
password

Send

Invalid email

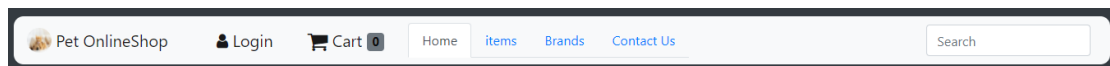


Valid account

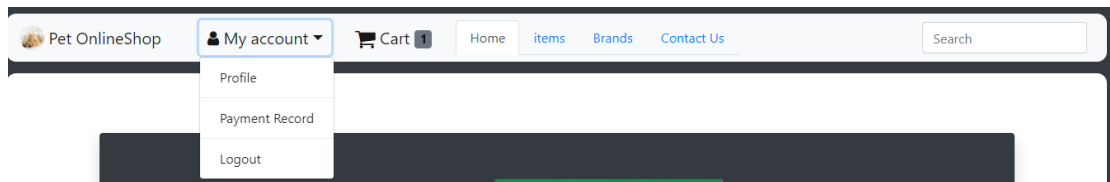


Navigation bar (Appendix 5)

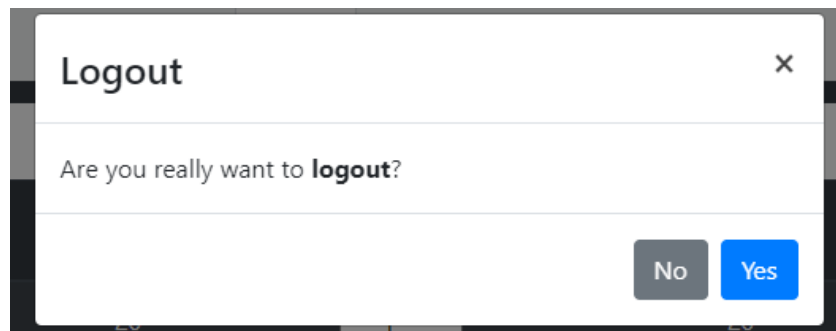
Navigation bar: Before Login



Navigation bar: After Login



Logut



Search

0

item_0

60

2018

200

18

brand_18

dog

dog_training

1

item_1

20

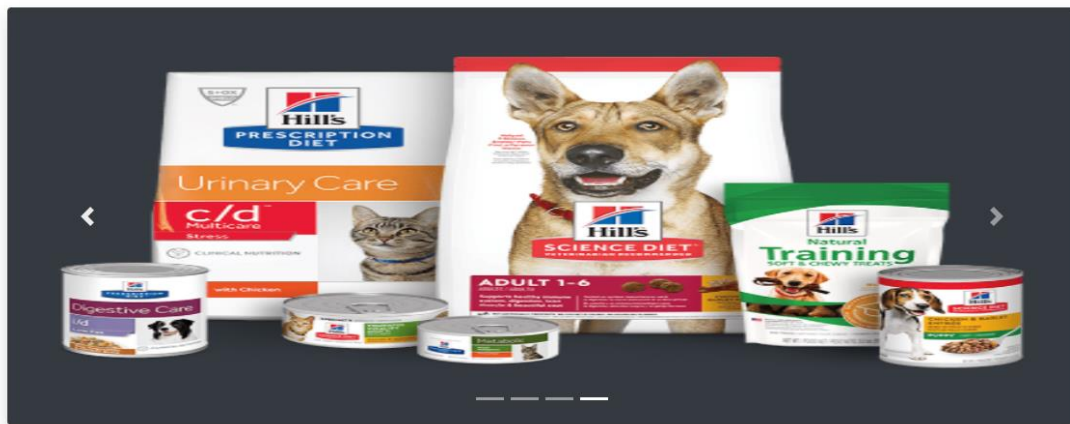
250

19

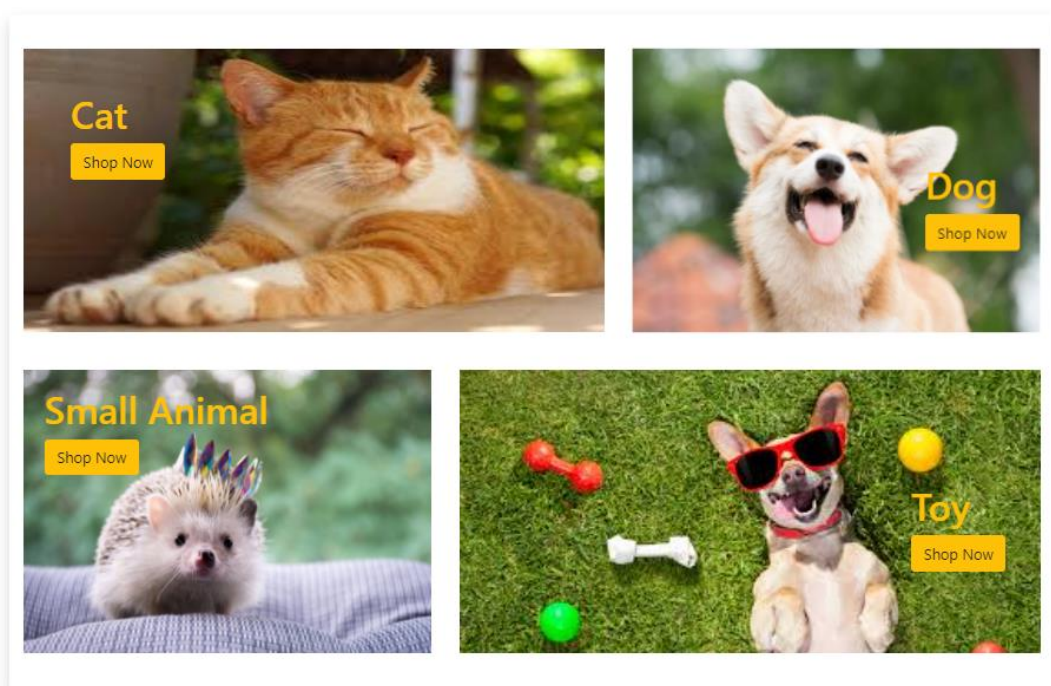
brand_19

Home page (Appendix 6)

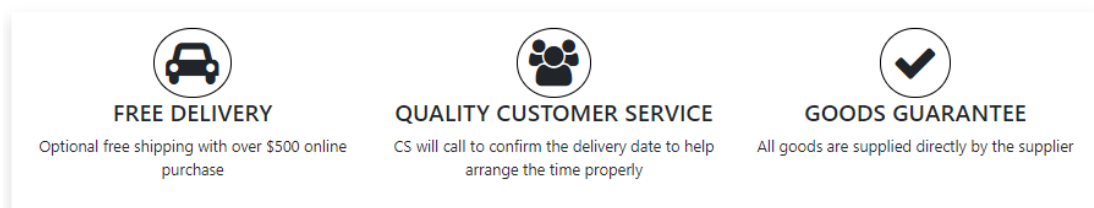
Carousel



Types of item



Features of my shop



Items page (appendix 7)

Results

100 results

#items per page

items per page ▾

25

50

100

Sort by

Sort By ▾

Sort By Default

Sort By Availability

Sort By Latest

Sort By Popularity

Sort By Price: Low to High

Sort By Price: High to Low

Reset all, Collapse all, Expand all

Reset All

Collapse All

Expand All

Price filter

Filter by price(\$)

Price range: \$ 0 - \$500

Filter

Type filter

Dog

☒ Dog Food

☐ Dog Milk

☐ Dog Treats

☐ Dog Training

☐ Dog Toy

Cat

Small Animal

Brands

Pagination

«

1

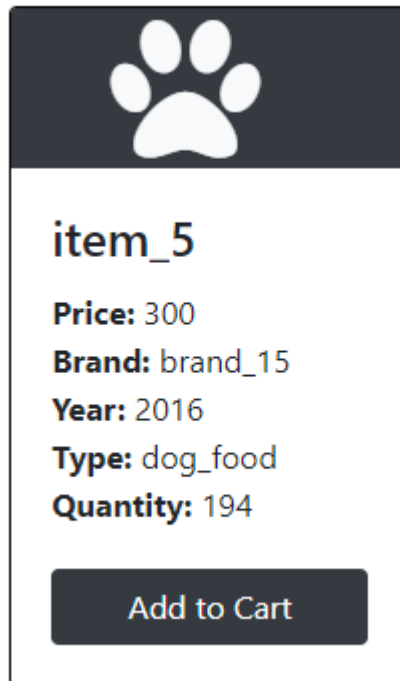
2

3

4

»

Item

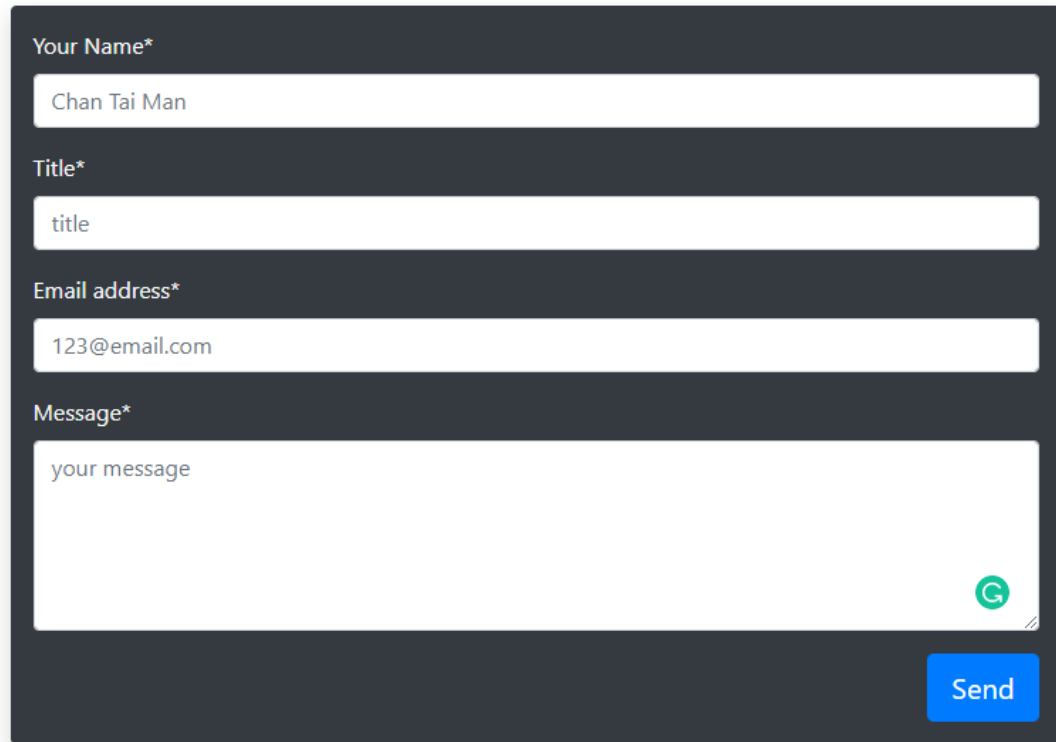


Brands page (appendix 8)



Contact Us page (appendix 9)

Contact Us form



A contact form with a dark grey background and white input fields. The form contains four fields: 'Your Name*' with the value 'Chan Tai Man', 'Title*' with the value 'title', 'Email address*' with the value '123@email.com', and 'Message*' with the value 'your message'. A green circular icon with a white 'G' is located in the bottom right corner of the message field. A blue 'Send' button is positioned at the bottom right of the form.

Your Name*

Chan Tai Man

Title*

title

Email address*

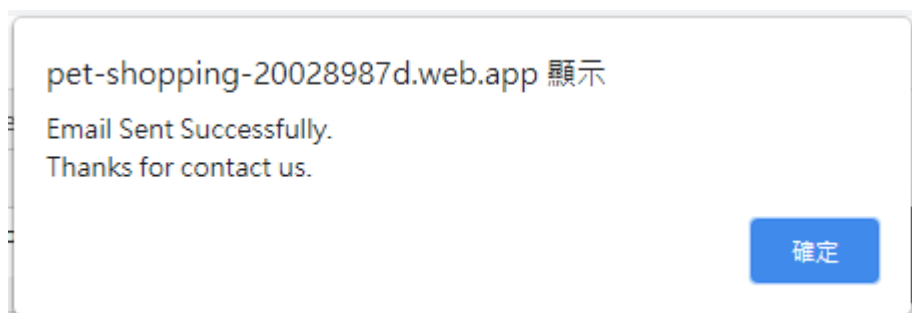
123@email.com

Message*

your message

Send

Email sent successfully



New message in pet online shop from test 收件匣 x



comp3421 pet online shop <comp3421petonlineshop@gmail.com>
寄給我 ▾

Pet online shop got a new message from test:

Sender: *test*

Title: testing

His/Her Email: comp.gr2.1020@gmail.com

Message: *test*

Contact information

Contact Info

EMAIL: comp3421petonlineshop@gmail.com

OFFICE HOUR : Monday to Friday 9am to 6pm

Item [0...n] page (appendix 10)

Previous item, next item

« Previous Item

Next Item »

Item information, add cart

Item 1 Photo

ID: 1

Name: item_1

Price: 20


Brand: brand_19

Sale Date: 2018

Quantity: 228

Saled Quantity: 0

Type: cat_treats

 Add Cart

Comments, order by

 Comments:

Order by ▾

65567


Date: 2021-3-2

abc

Date: 2021-3-2

Your comment, add comment

your comment



Add Comment

Cart page (appendix 11)

Continue Shopping

Your Shopping Cart is *Empty!*

Continue Shopping

Cart table

#	Id	Item	Price	Qauntity	Total Price	Delete All
1	15	item_15	70	<input type="text" value="1"/>	70	Delete
2	0	item_0	60	<input type="text" value="1"/>	60	Delete
3	4	item_4	400	<input type="text" value="1"/>	400	Delete

Price information

Total Price: \$530

Account Wallet: \$140

Remain Wallet: \$-390

Shipping address, google map api

Shipping Address: Decathlon Tseung Kwan O MTR: Exit C, 3/F, TKO Spot, 2 Tong Ming St, Tseung Kwan O



Checkout

Checkout

pet-shopping-20028987d.web.app 顯示

You do not have enough money in your account wallet.
Please add more money in your account wallet.
Or choose other payment method.

確定

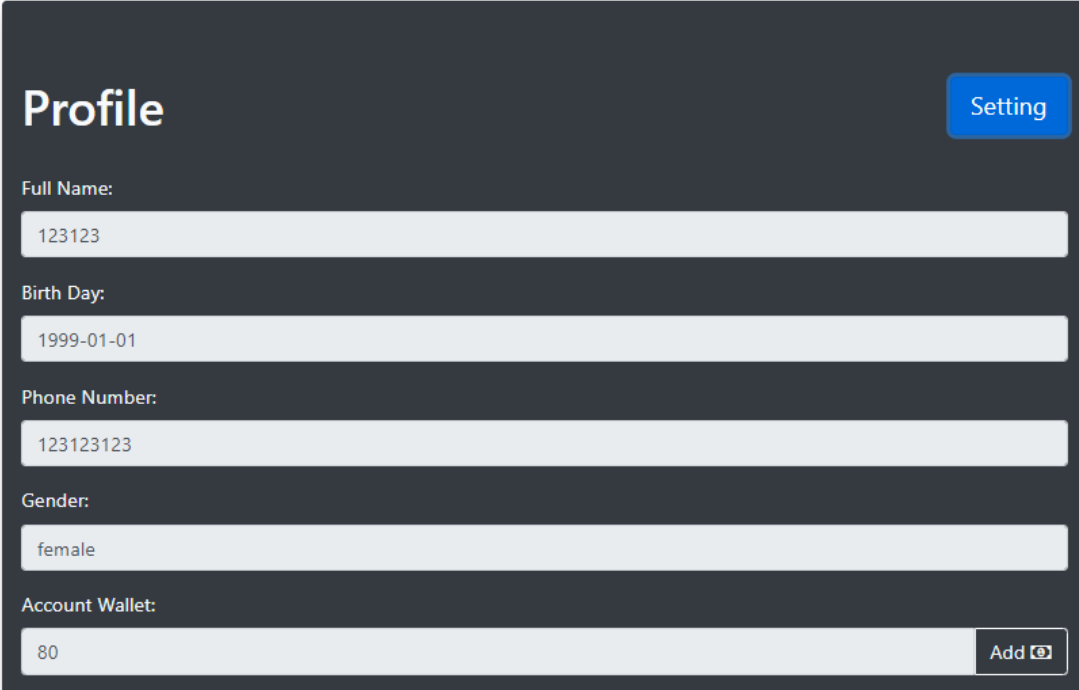
pet-shopping-20028987d.web.app 顯示

Sucess!
You could check your payment record in 'Payment Record'.
Your current account wallet amount is 80

確定

Profile page (appendix 12)

Profile form



The profile form is displayed on a dark gray background. It features a title 'Profile' in white at the top left and a blue 'Setting' button at the top right. The form contains five input fields, each with a label above it: 'Full Name:' with value '123123', 'Birth Day:' with value '1999-01-01', 'Phone Number:' with value '123123123', 'Gender:' with value 'female', and 'Account Wallet:' with value '80'. The 'Account Wallet' field includes an 'Add' button with a plus icon.

Profile

Setting

Full Name:

123123

Birth Day:

1999-01-01

Phone Number:

123123123

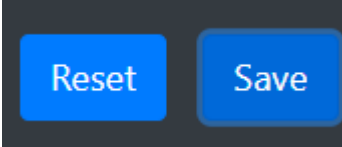
Gender:

female

Account Wallet:

80 Add

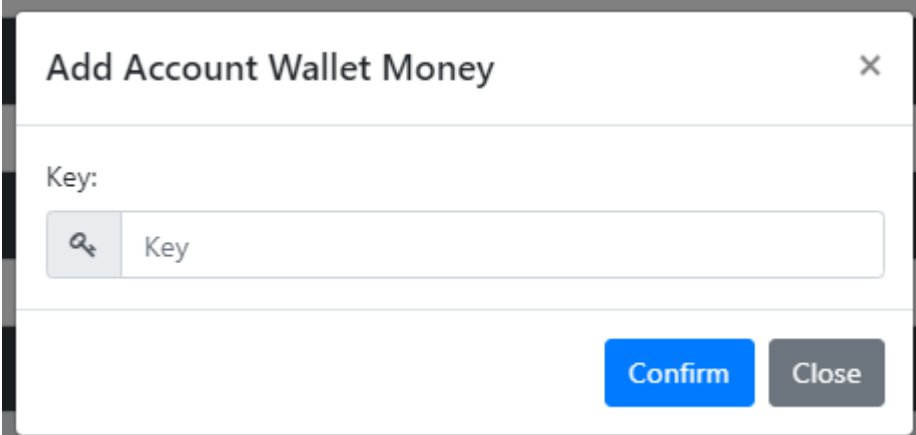
Reset, Save



Two blue buttons are shown side-by-side on a dark background. The left button is labeled 'Reset' and the right button is labeled 'Save'.

Reset Save

Add price model



A modal dialog box titled 'Add Account Wallet Money' with a close button (X) in the top right corner. It contains a 'Key:' label and a text input field with a placeholder 'Key'. Below the input field are two buttons: a blue 'Confirm' button and a gray 'Close' button.

Add Account Wallet Money

Key:

Key

Confirm Close

Payment record page (appendix 13)

#	Id	Item	Price	Qauntity	Total Price
1	15	item_15	70	1	70
Shipping Address: APM 418 Kwun Tong Rd, Kwun Tong				Total Price: 70	Date: 2021-4-27

#	Id	Item	Price	Qauntity	Total Price
1	0	item_0	60	1	60
Shipping Address: APM 418 Kwun Tong Rd, Kwun Tong				Total Price: 60	Date: 2021-4-27