

4. Manual those help users to use the system.

4.1. A briefly guide for deploying our distributed system on the server.

1. Import the source code and images to the project.
2. Create a new MySQL database named myhome, and run the statements in myhome.sql. Remember to import MySQL JDBC driver to the library.
3. Configure your database connecting including user and password in the connectAsDefaultLibrary() function of DBWrapper.java in the **store** package.
4. Java Doc is located in the ./dist/javadoc/index.html

4.2. Detailed guideline for using our system on the web browser.

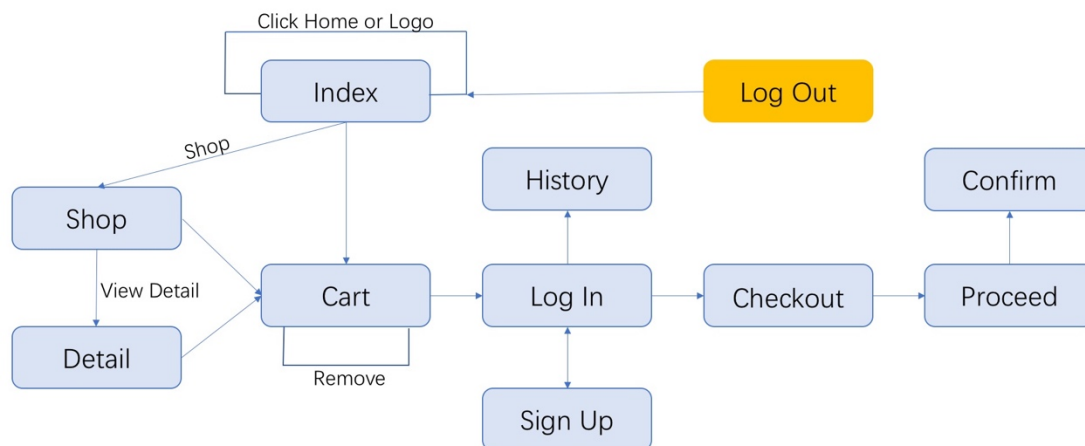
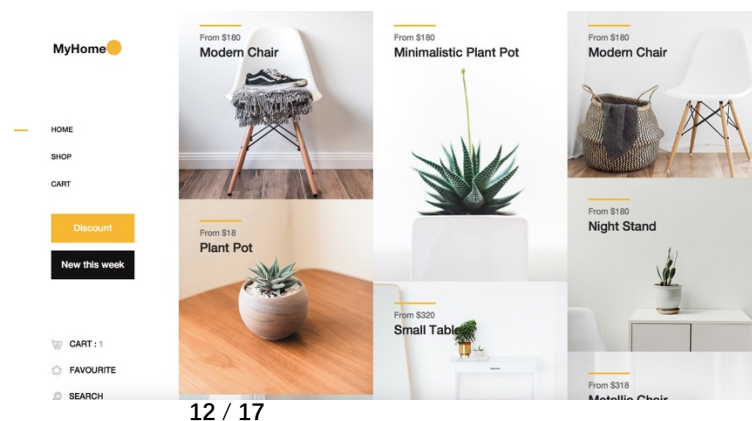


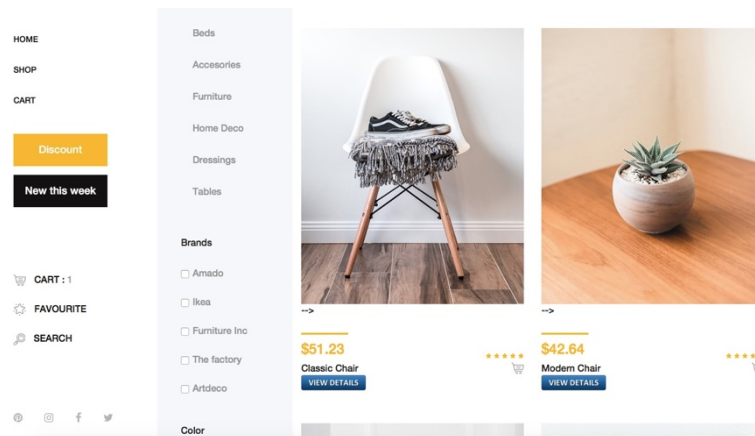
Figure 8. General Interface Usage Flow

1. The index page is the default page. This page is used to display our typical product. The



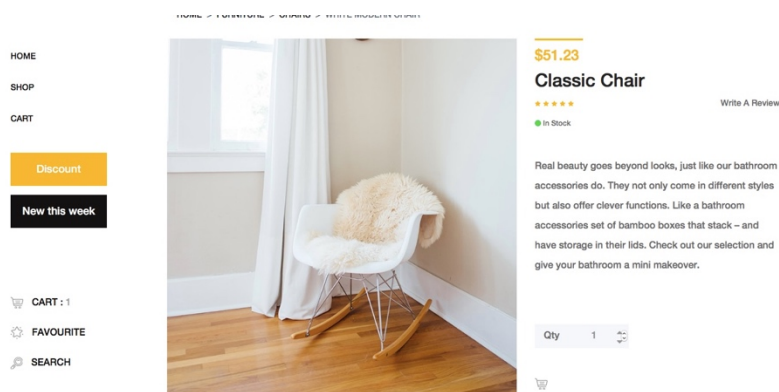
users could click “MyHome” logo or “HOME” button to back to this index page. They can click any product image or “SHOP” button to enter the product list page, as the attached-picture below.

2. This shop page is used to show the products available for purchase. All the sources of



products are from database, including images, prices and product-name. The users could click “VIEW DETAILS” to check the product details. They also could add the items to shopping cart directly by clicking the little shopping cart button.

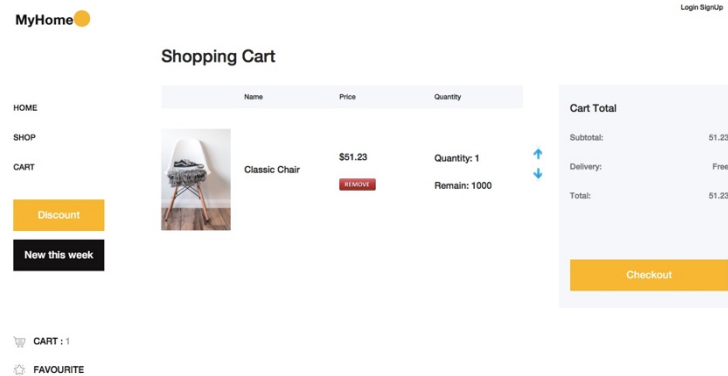
3. This page is used to display the introduction of the corresponding products which



users click previously. The URL include the product_id of this product as parameters. And it accesses the price, name, image, and details of the product. The users could add this product to the shopping cart by clicking the

shopping-cart button.

4. This page is the shopping cart. It will display the details of the purchased items.

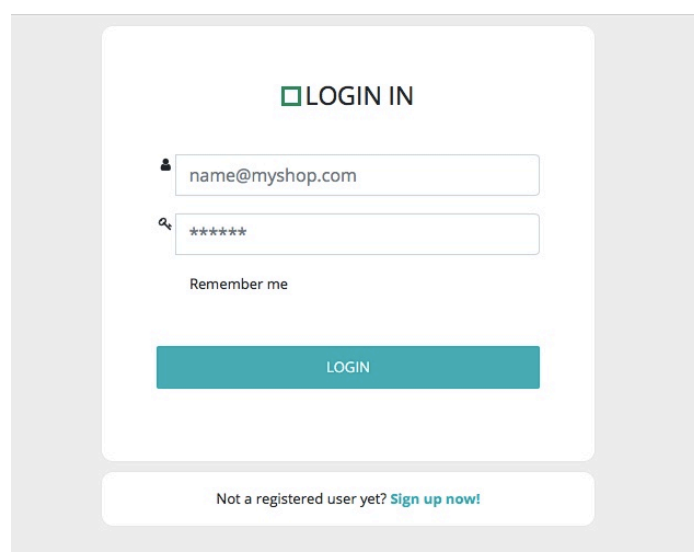


The items account is

dynamically displayed on the left button, and the sum is computed totally on the right top. In addition, users could click “remove” to remove this item, or click “up arrow” or “down arrow” to change the quantity of the item. When the users click “Checkout” button, the system will automatically check the logging status of users. If the users have not log-In, they must log-in with email and password, or sign-up with email and password.

5. The Login In and Sign Up pages are very similar. But the Login In page could prompt users to Sign Up.

The length of email and password are limited with 100 characters.



6. Users should fill in the details of this order. First Name, Last Name, Phone number are limited with 100 characters, and address detail is limited with 300 characters. The users could choose the delivery method and payment method. The they proceed by clicking the “PROCEED” button.

Dear,123

Hi! Log Out

Checkout

First Name

Last Name

Address Detail

Phone Number

☒ self-pickup (free)

☐ courier (\$5)

Cart Total



Subtotal: 51.23

Delivery: Free

Total: 51.23

☒ Cash on Delivery

☐ Paypal



PROCEED

7. This page is the order summery. It will display the order details. Users could click the “CONFIRM” button to submit this order to the database.

Dear,123

Hi! Log Out

Order Summary

First Name: 111

Last Name: 111

Address: 111

Phone number: 111

Delivery method: self-pickup

Order cost including delivery: \$ 51.23

Order Items

01. Classic Chair

Price: \$51.23

Quantity: 1

Subtotal: 51.23

CONFIRM

8. If the users successfully submit the order, the

**Conguratulations! Your order have been successfully added.
Thank you!
You can now check this order in your History Order.**

page will display this message to confirm that all the information of this order has been added to the database.

9. The users could click the “history” button to check the history order after they login in. The order history will select

Dear,123

His Log Out

from databases to reflect the transaction.

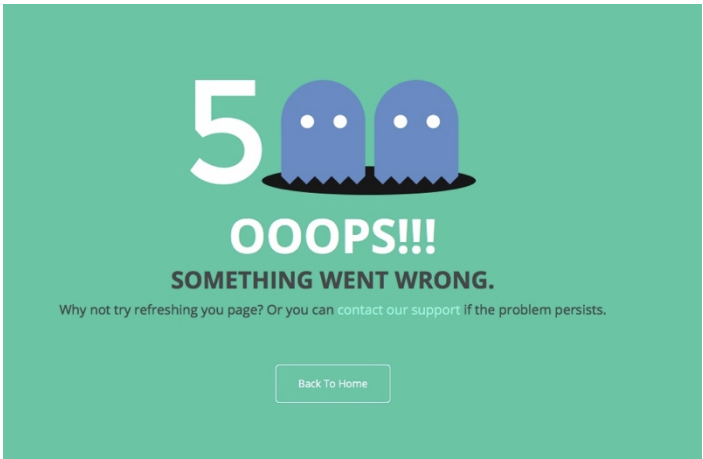
Also, the quantity of the items will be

decrease with the relative amount.

Dear 123, here is your order history:

OrderNo	First Name	Last Name	Address	Phone Number	Delivery Method	Order Date	Order Cost	Ordered Books
1	123	123	123	123	self-pickup	2019-10-24	\$51.23	
2	123	123	123	123	self-pickup	2019-10-24	\$130.58	
3	123	123	123	123	self-pickup	2019-10-24	\$51.23	
5	123	123	123	123	self-pickup	2019-10-24	\$204.92	
6	ew	ww	ww	123	self-pickup	2019-10-24	\$51.23	
7	123	123	123	123	self-pickup	2019-10-24	\$51.23	
8	123	123	123	123	self-pickup	2019-10-24	\$51.23	
9	22	22	22	22	self-pickup	2019-10-25	\$204.92	
11	123	123	123	123	self-pickup	2019-10-25	\$51.23	
12	111	111	111	111	self-pickup	2019-10-25	\$51.23	

9. If some errors occur in our distributed systems, it will direct to this page. The typical errors including transaction timeout, database query errors.



10. For mobile devices browsers access, it has the same operation flow as the PC browsers.

Appendix

E-R diagram:

