Hong Kong Institute of Vocational Education (Tsing Yi)
Department of Information Technology
Higher Diploma in Software Engineering (IT114105)

Enterprise Systems Development (ITP4511)
Coursework (Semester 4 2016/2017)

Assignment Report

Group number: 23

Group members: CHAN Xuan (150212355)

TANG Chi Fai (150258241)

WONG Shuk Yan (150074010)

Table of Contents

1 Assumption and the user and system requirements 4
1.1 Assumption 4
1.2 The user and system requirements 4
1.2.1 Clients 4
1.2.2 Managers 4
2 Site map 5
2.1 Client Home Page 5
2.2 Client Manager Page 5
3 System structure on how MVC Model is applied 6
3.1 Client Side 6
3.2 Manager Side 6
4 Database structure 7
5 Tools, installation set, testing procedures and dataset (with suitable screen capture) 8
5.1 Tools and installation set 8
5.2 Testing procedures and dataset 8
5.2.1 Test case ID: 1 8
5.2.2 Test case ID: 2 9
5.2.3 Test case ID: 3 10
5.2.4 Test case ID: 4 10
5.2.5 Test case ID: 5 11
5.2.6 Test case ID: 6 11
5.2.7 Test case ID: 8 12
5.2.8 Test case ID: 9 13
5.2.9 Test case ID: 10 13
5.2.10 Test case ID: 11 14
5.2.11 Test case ID: 14 14
5.2.12 Test case ID: 16 15
5.2.13 Test case ID: 20 15
5.2.14 Test case ID: 21 16
5.2.15 Test case ID: 22 16
6 Test plan and Test cases 17
7 Brief description on the characteristics or good design of your application 19
7.1 Clients can browse our items anywhere 19
7.2 Clients can store items to shopping cart without login 19
7.3 Clients can register in few steps 19
7.4 Clients can search items easily 19
7.5 Manager can verify clients quickly 19
8 Conclusions 20
9 Skill checklist 21

1 Assumption and the user and system requirements

1.1 Assumption

- Assume client can suggest their account and password.
- The User will use Google Chrome to browse the website.

1.2 The user and system requirements

1.2.1 Clients

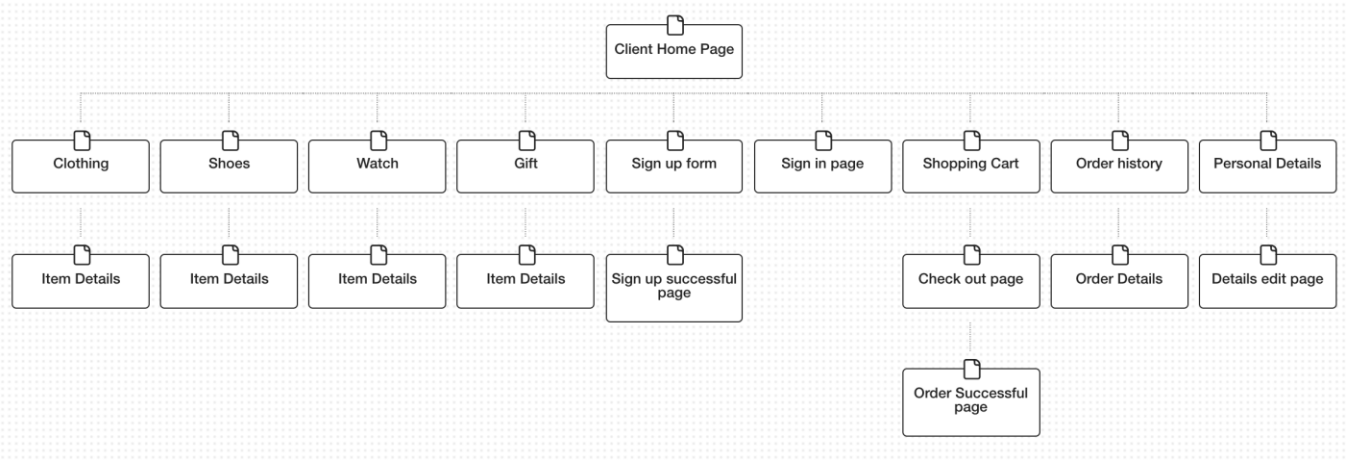
- Searching and browsing item online
- Placing order online
- Managing existing order (e.g. change delivery date, cancel order)
- Checking the order history, limited to the last 10 orders. The history will show each
- order details and status.
- Maintaining the personal information and delivery address
- Checking the bonus points and history
- Redeeming gifts with bonus points.

1.2.2 Managers

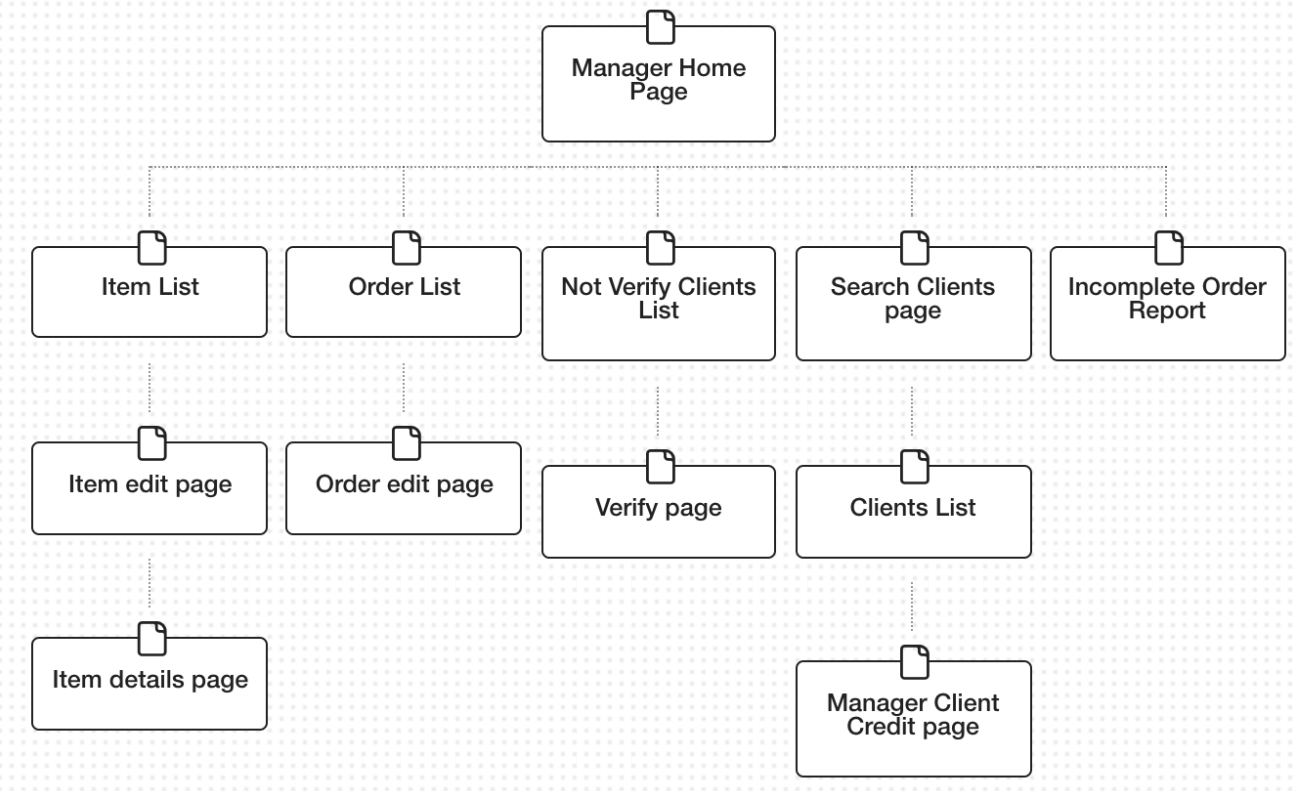
- Maintaining apparel item details such as designer name, name, price, description etc.
- Maintaining the order status such as canceled, delivered, picked-up, delay pickup date.
- Verifying the client identity and issuing client id and password and initial bonus points
- Approving credit amount for client.
- Obtaining report for incomplete orders

2 Site map

2.1 Client Home Page

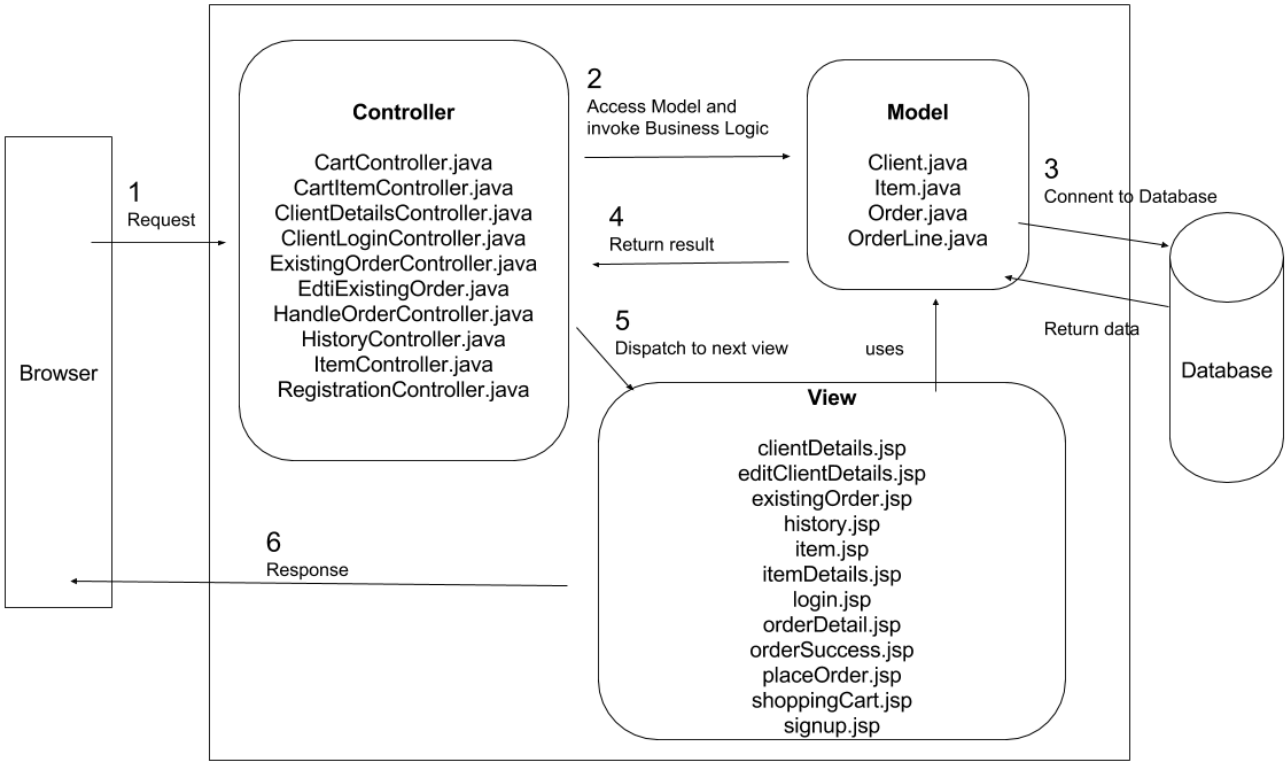


2.2 Client Manager Page

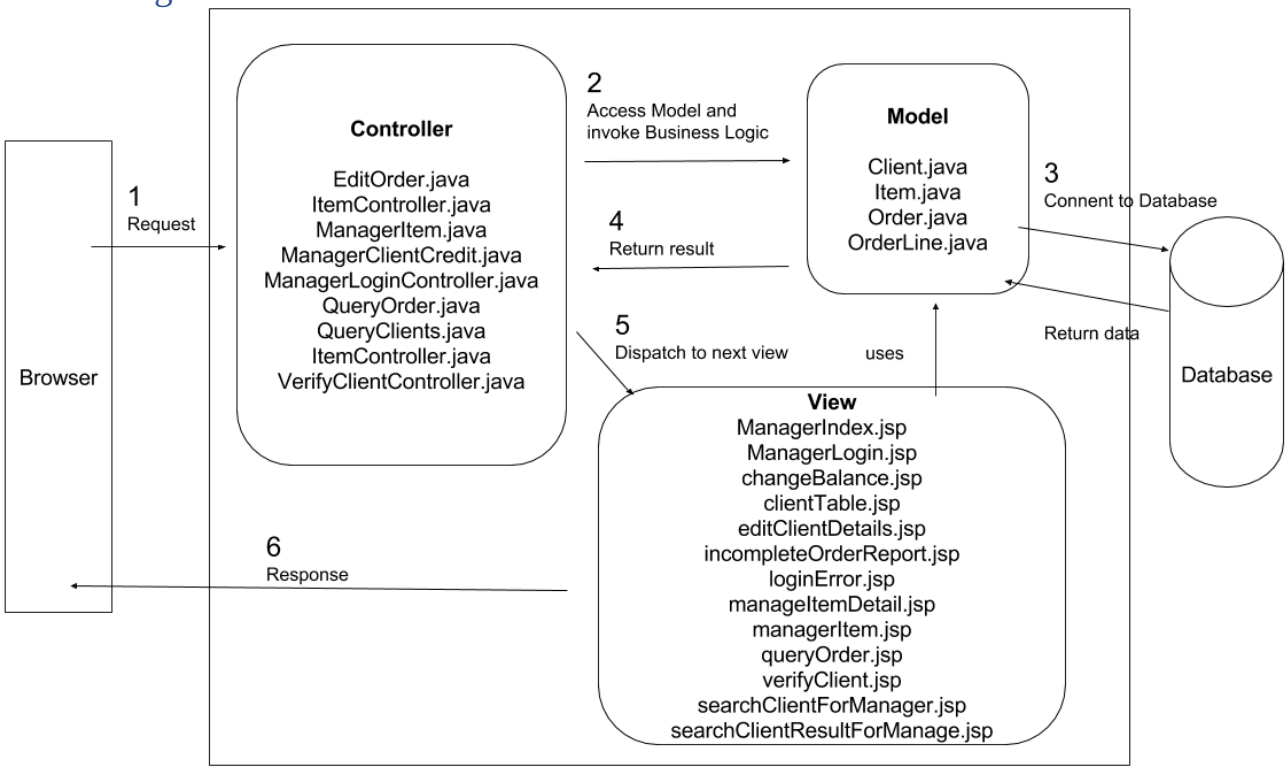


3 System structure on how MVC Model is applied

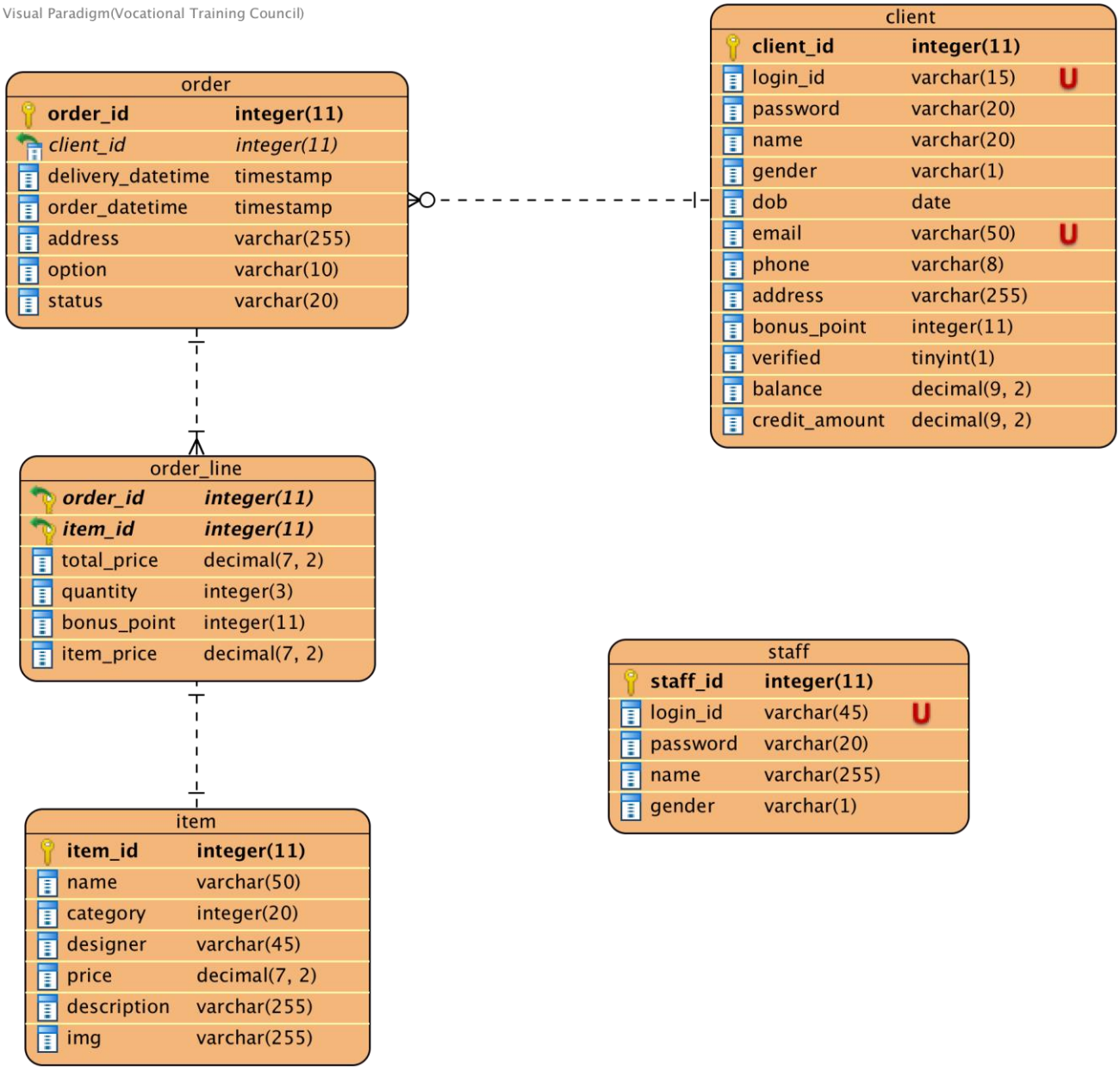
3.1 Client Side



3.2 Manager Side



4 Database structure



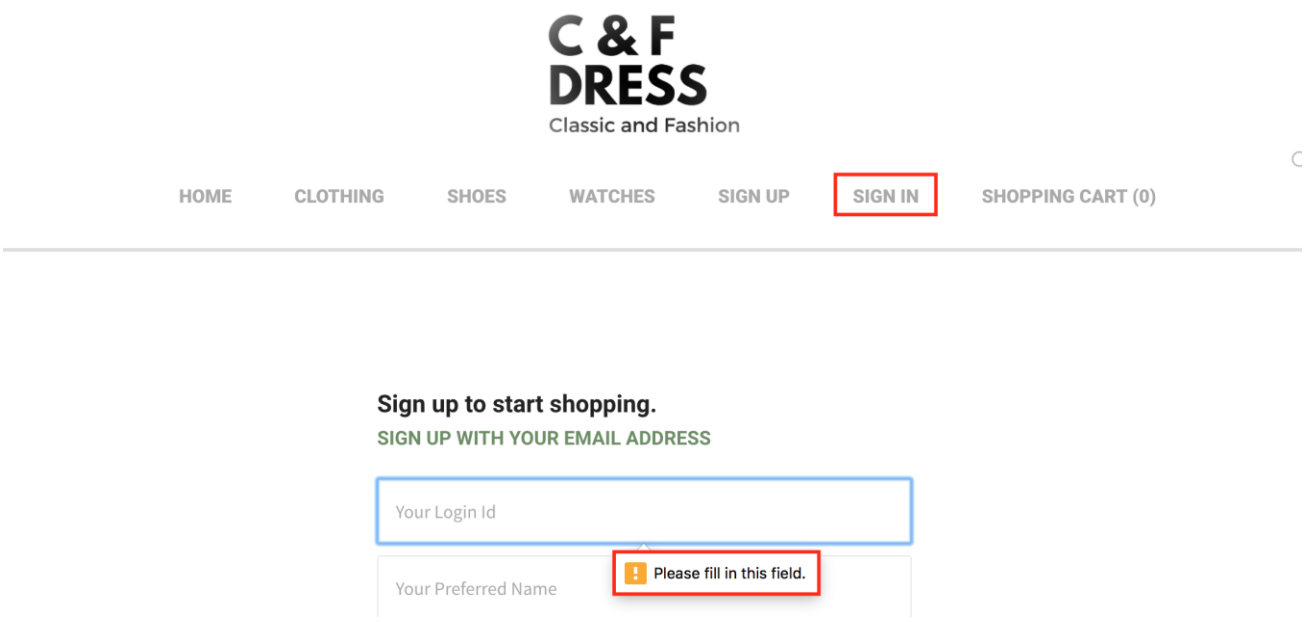
5 Tools, installation set, testing procedures and dataset (with suitable screen capture)

5.1 Tools and installation set

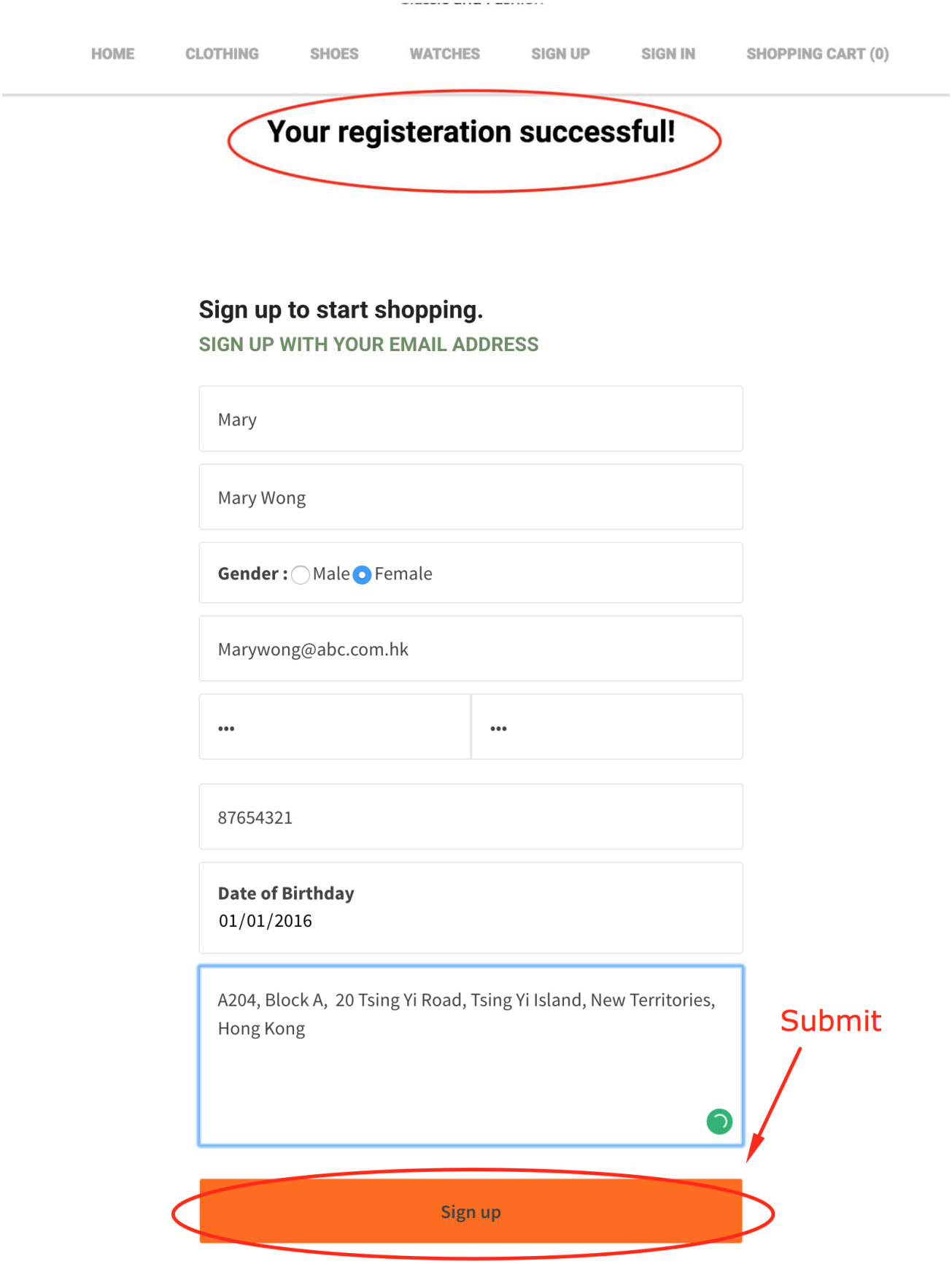
- Mysql Database
- GlassFish Server
- JSDB Driver
- Google Chrome

5.2 Testing procedures and dataset

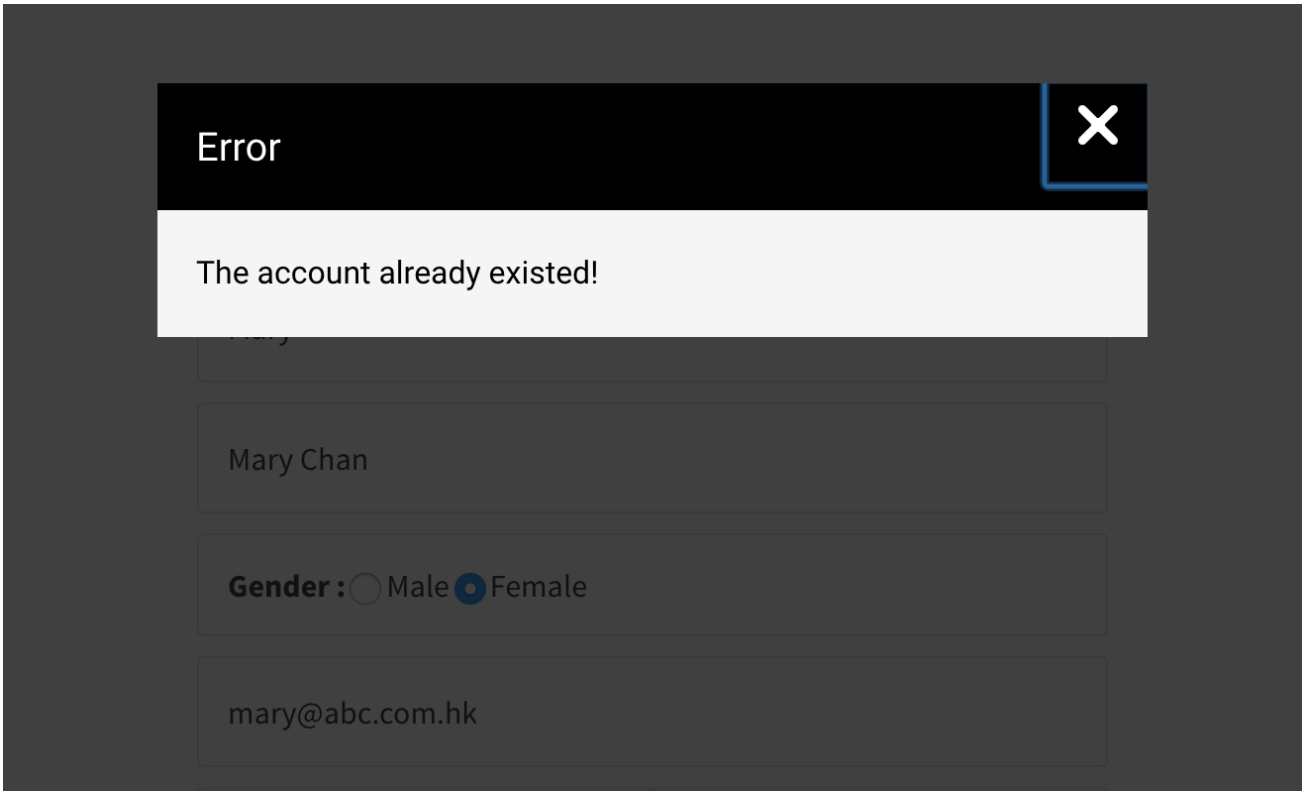
5.2.1 Test case ID: 1



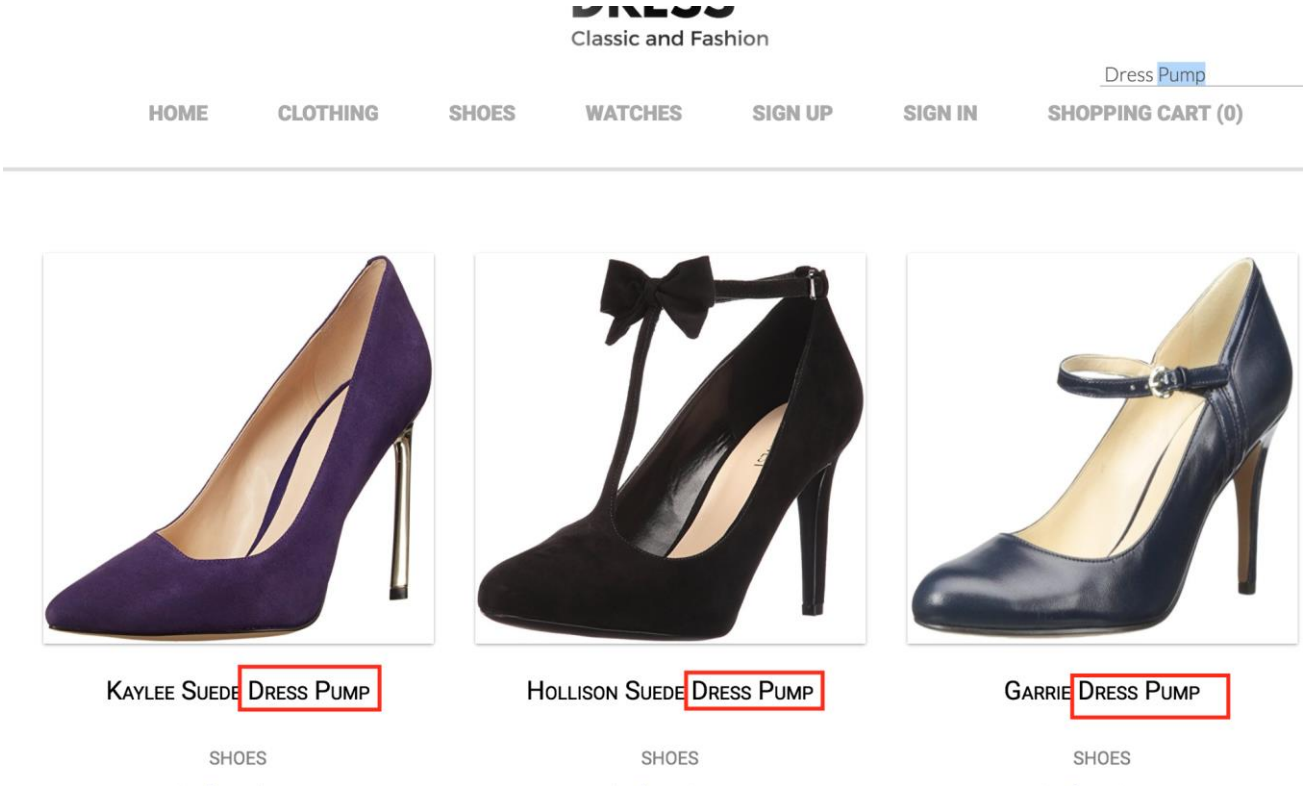
5.2.2 Test case ID: 2



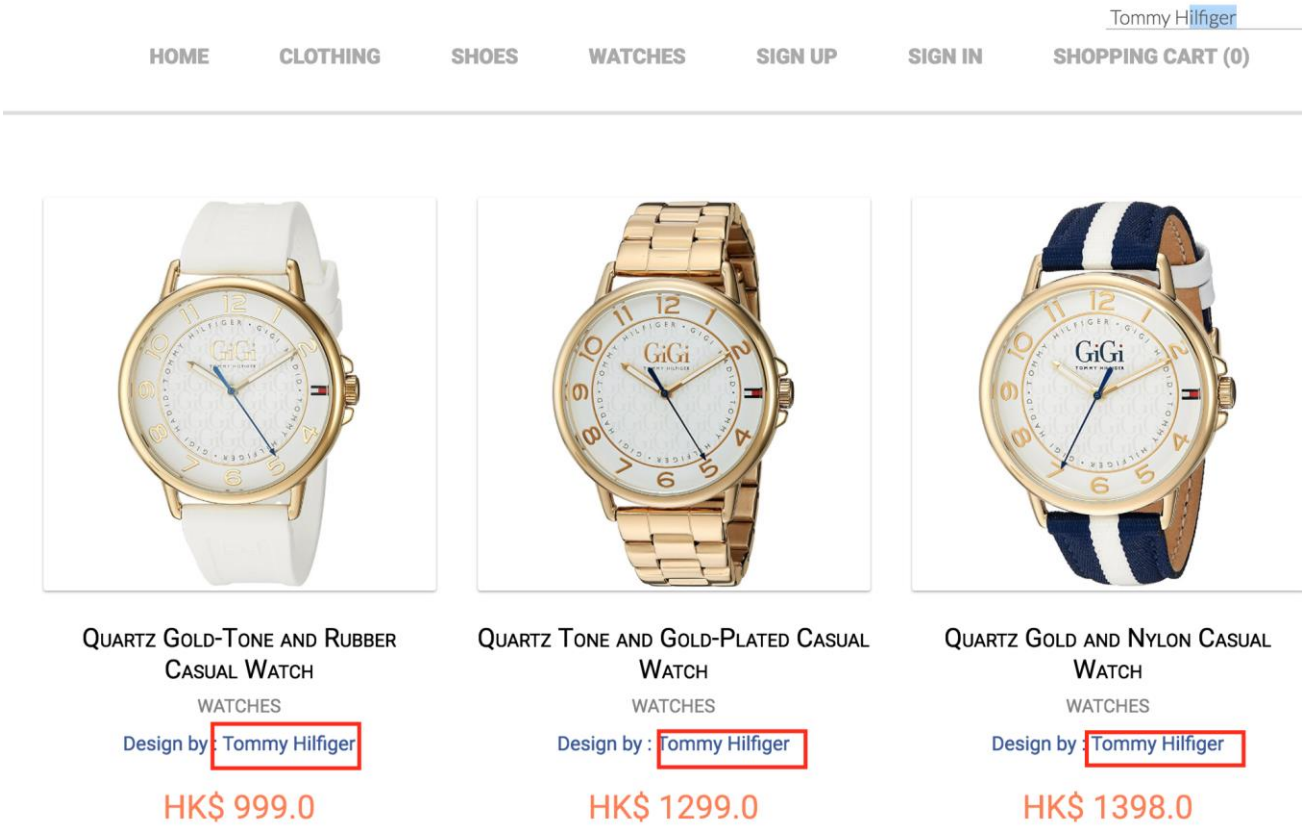
5.2.3 Test case ID: 3



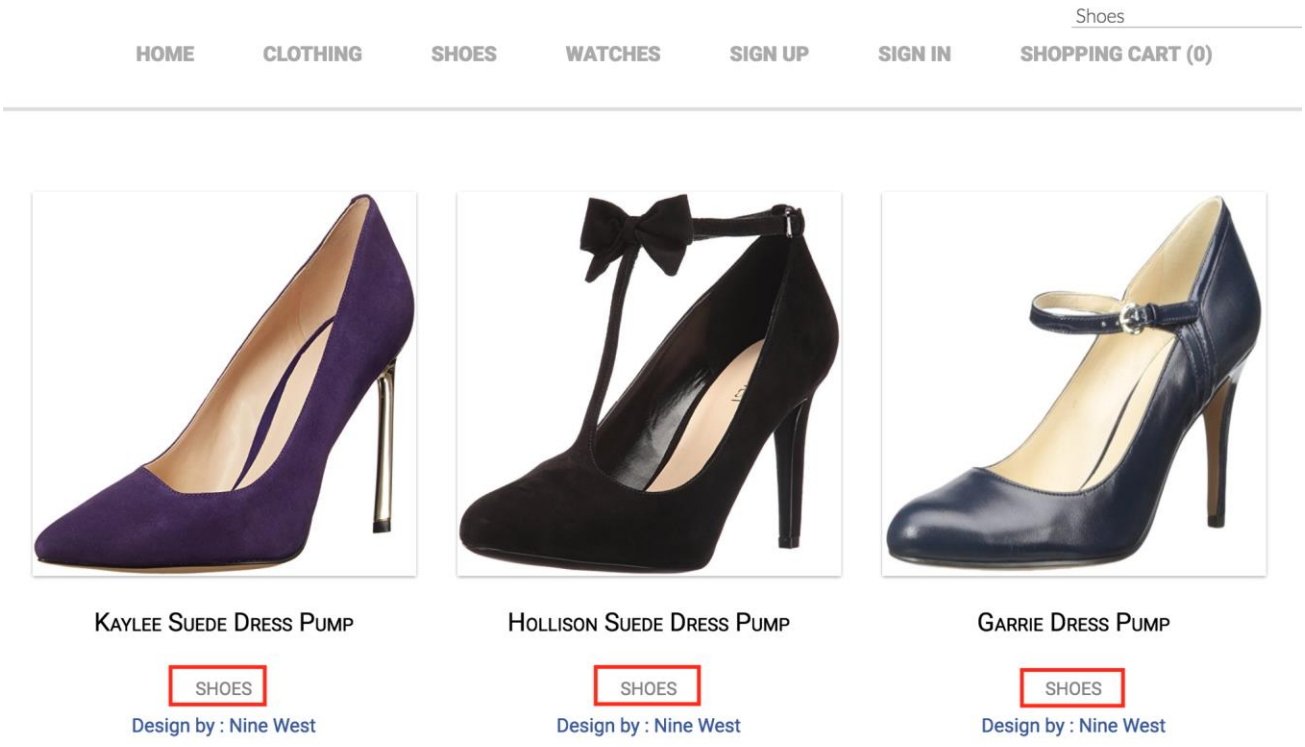
5.2.4 Test case ID: 4



5.2.5 Test case ID: 5



5.2.6 Test case ID: 6



5.2.7 Test case ID: 8

Design by

TOMMY HILFIGER

Quartz Tone and Gold-Plated Casual Watch

WATCHES

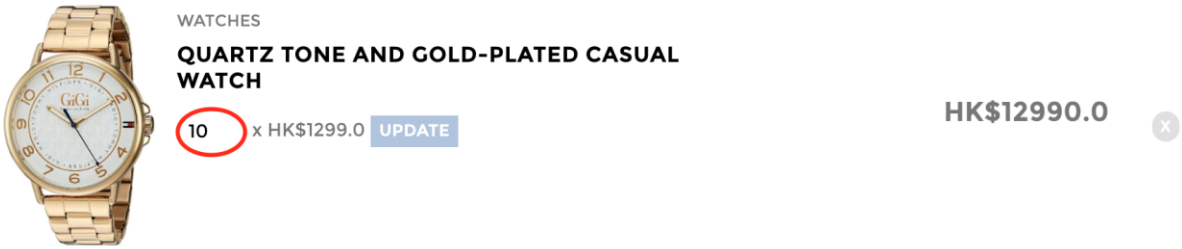
Water resistant to 30m (100ft): In general, withstands splashes or brief immersion in water, but not suitable for swimming or bathing

HKD$ 1299.0

Quantity : 9

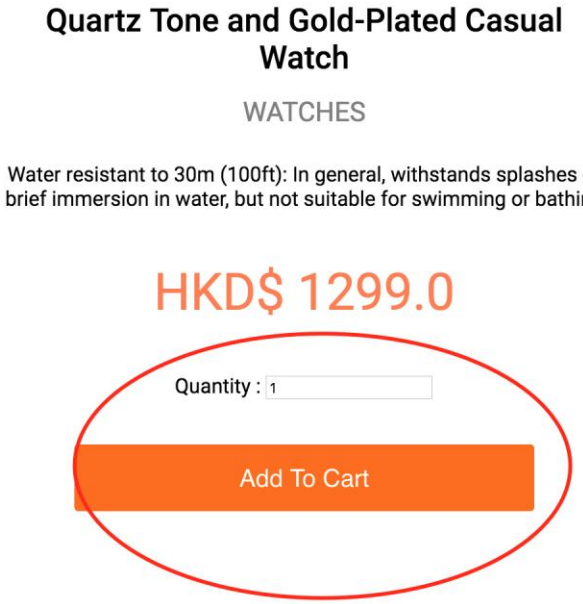
Add To Cart

5.2.8 Test case ID: 9

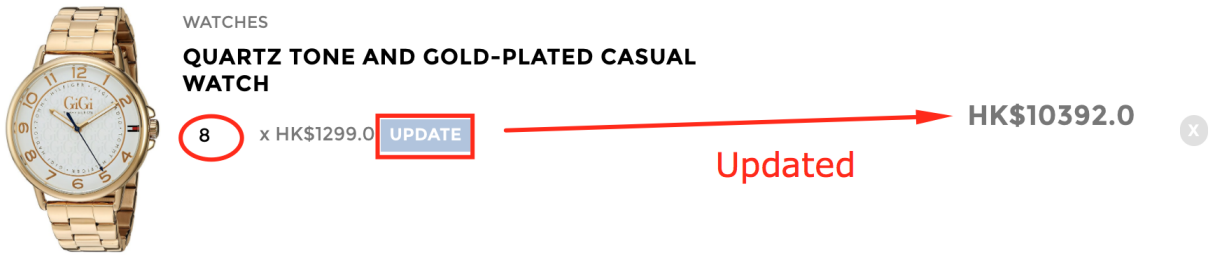


Design by

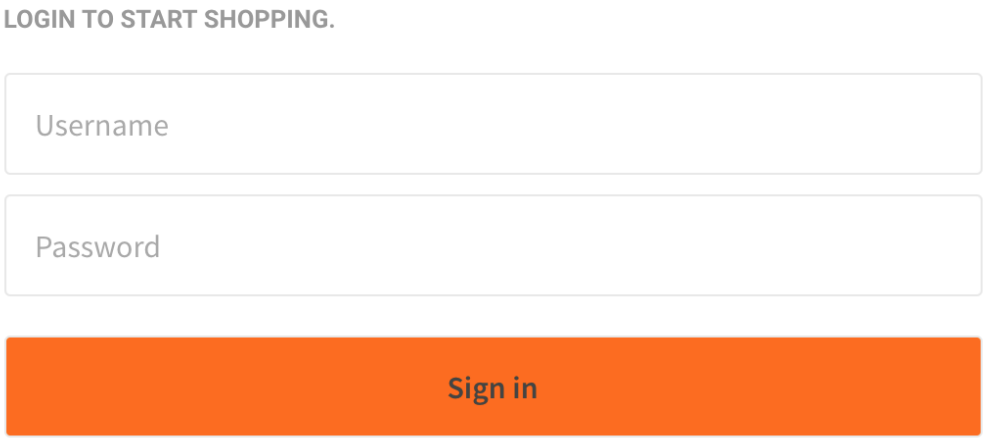
TOMMY HILFIGER



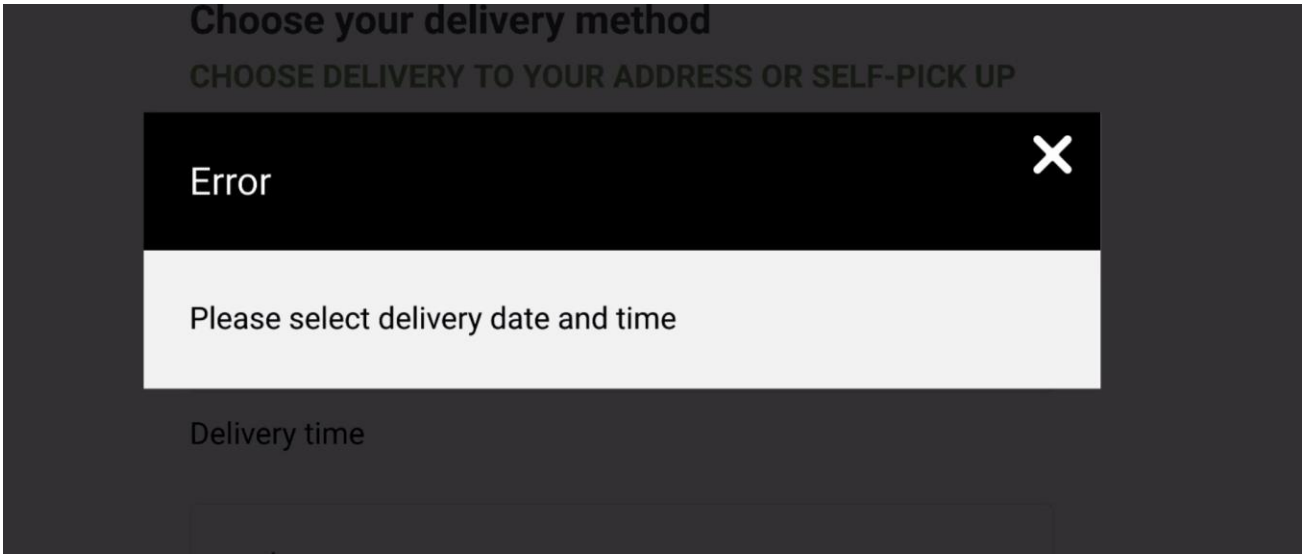
5.2.9 Test case ID: 10



5.2.10 Test case ID: 11



5.2.11 Test case ID: 14



5.2.12 Test case ID: 16

Order Successful

Order ID : 23

Order time : 2016-11-28 02:20:28.0

Your current balance : 89607.0

Your current bonus point : 2163

Delivery address : A204, Block A, 20 Tsing Yi Road, Tsing Yi Island, New Territories, Hong Kong

Delivery Date and Time : 2016-12-30 13:00:00

Continue Shopping ›

WATCHES

QUARTZ TONE AND GOLD-PLATED CASUAL WATCH

HK$10392.0

5.2.13 Test case ID: 20

HOME CLOTHING SHOES WATCHES GIFTS ORDER HISTORY

PERSONAL DETAILS

Order and Bonus Points History

Order Bonus Points

Last 10 order records

ORDER ID : 23

ORDER TIME : 2016-11-28 02:20:28.0

DELIVERY TIME : 2016-12-30 13:00:00.0

DELIVERY ADDRESS : A204, BLOCK A, 20 TSING YI ROAD, TSING YI ISLAND, NEW TERRITORIES, HONG KONG

TOTAL ITEM : 8

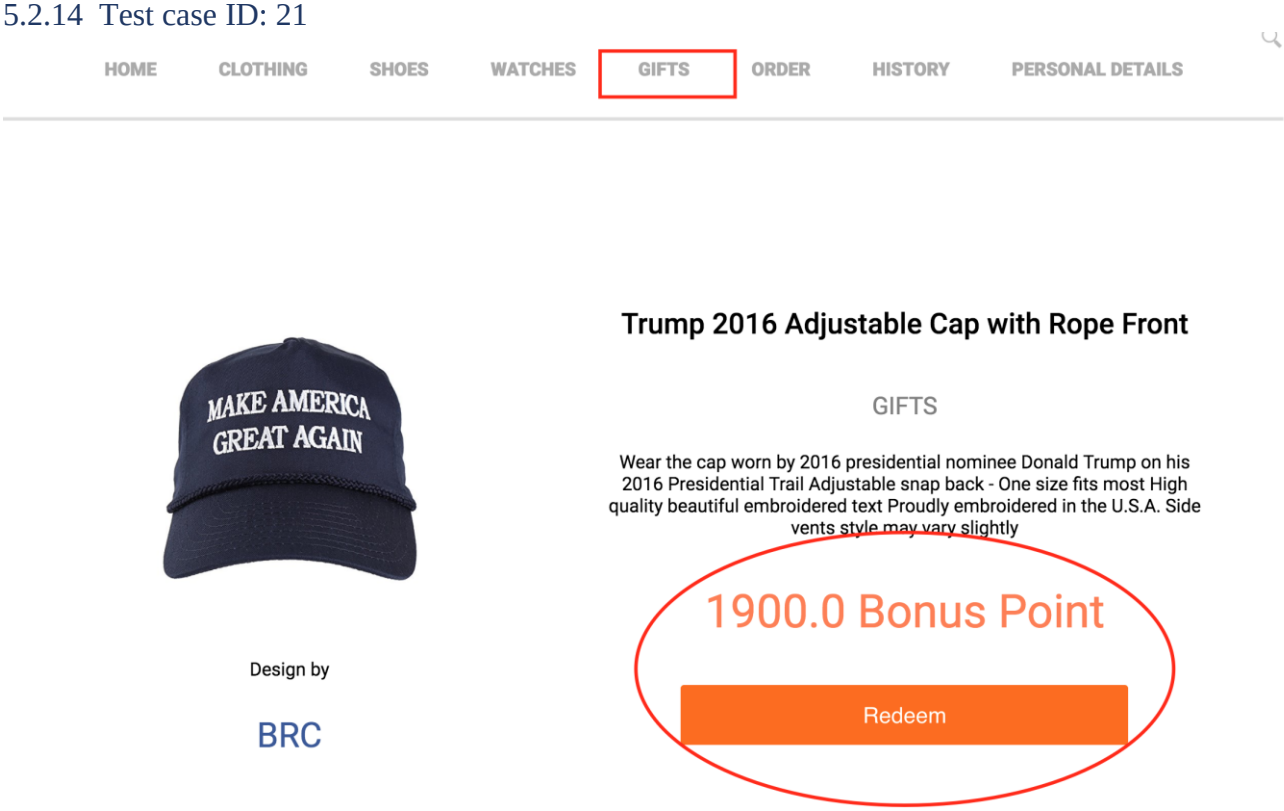
BONUS POINTS : 0

TOTAL PRICE : 10392.0

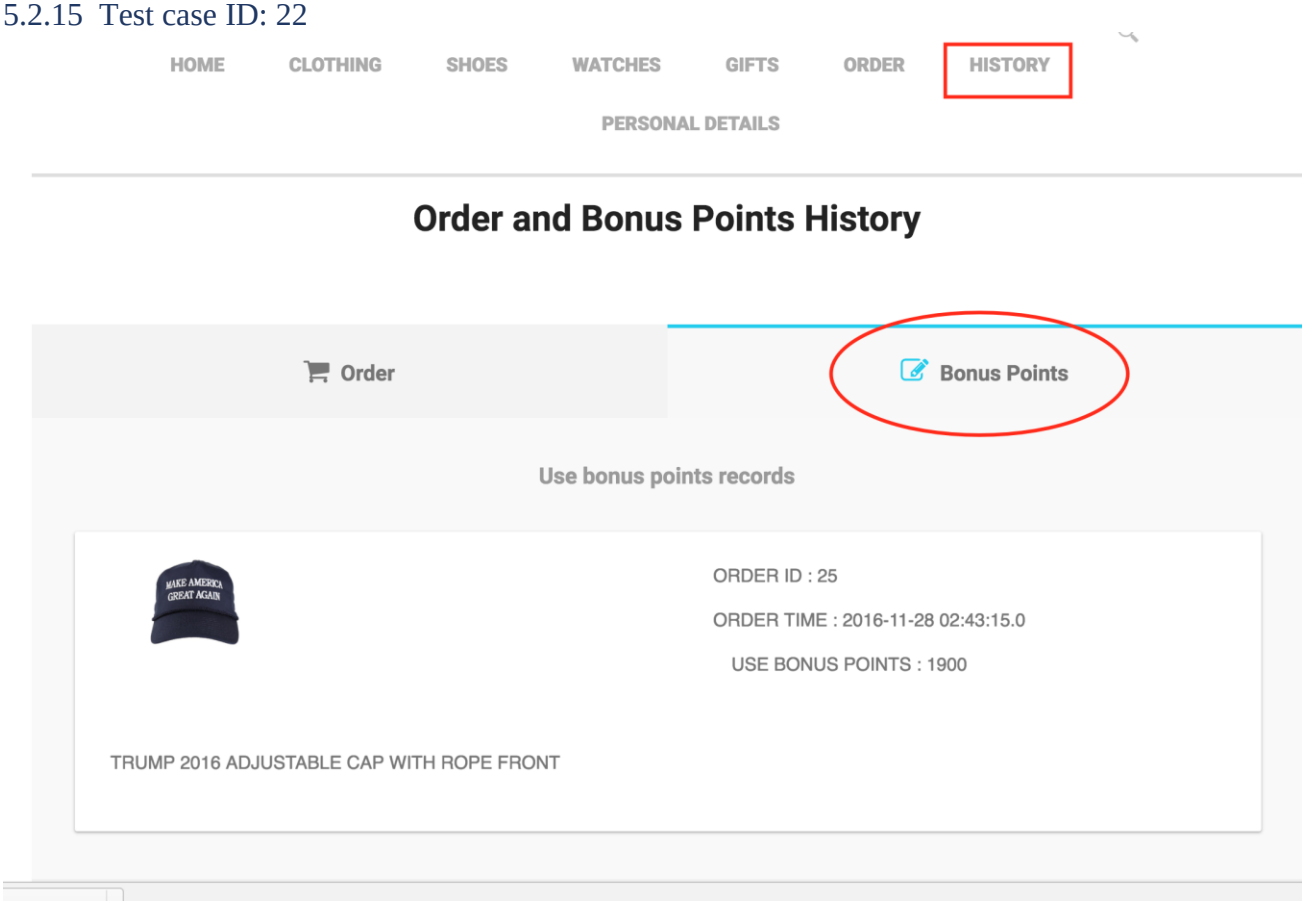
STATUS : PROCESSING

More Details ›

5.2.14 Test case ID: 21



5.2.15 Test case ID: 22



6 Test plan and Test cases

ID	Function	Case	Expected result	Actual result
1	Make registration	Click submit button without fill in all field in from	Unsuccessful	Unsuccessful
2	Make registration	Click submit button with a completed from	Successful and go to display successful message page	Successful and go to display successful message page
3	Make registration	Register with an existing login ID	Unsuccessful and display error message	Unsuccessful and display error message
4	Searching and browsing item online	Searching ‘Dress Pump’ (item name)	Display item contains 'Dress Pump'	Display item contains 'Dress Pump'
5	Searching and browsing item online	Searching ‘Tommy Hilfiger’ (designer name)	Display item contains 'Tommy Hilfiger'	Display item contains 'Tommy Hilfiger'
6	Searching and browsing item online	Searching ‘Shoes’(category)	Display item contains 'Shoes'	Display item contains 'Shoes'
7	Searching and browsing item online	Searching ‘aabbccddee’ (not existing)	Display 'No matched result' message	Display 'No matched result' message
8	Place order online	Add item 'Quartz Tone and Gold-Plated Casual Watch' to the shopping cart with 9 quantity	Successful	Successful
9	Place order online	Add same item to shopping cart with 1 quantity	Quantity of this item increase in cart	Quantity of this item increase in cart
10	Place order online	Update quantity in cart	Successful	Successful
11	Place order online	Click checkout button without logged in	Ask log in	Ask log in

12	Place order online	Click checkout button with logged in	Go to the fill order information page	Go to the fill order information page
13	Place order online	Click delivery method as Self-pick up	No field need to input	No field need to input
14	Place order online	Click delivery method as Delivery	Display input delivery date time and address field	Display input delivery date time and address field
15	Place order online	Submit with filed delivery date time	Display error message	Display error message
16	Click confirm button to submit order information	Go to order successful page and display order confirmation	Go to order successful page and display order confirmation	Go to order successful page and display order confirmation
17	Managing existing order	Cancel order (only amount over $10000 can cancel within 24 hours and at least 24 hours before delivery)	Successful, refund and charge $ 500	Successful
18	Managing existing order	Update order delivery date time (at least 24 hours before delivery)	Successful	Successful
19	Managing existing order	Go to the managing existing order page	Display all existing order	Display all existing order
20	Checking the order history	Go to the checking history page	Successful	Successful
21	Redeeming gifts with bonus point	Click the redeem button to add gifts to cart (same step with place order)	Successful	Successful
22	Checking the bonus points and history	Go to the checking history page	Display bonus points redeeming history	Display bonus points redeeming history
23	Maintaining apparel item details	Change the item details	Successful and show the preview of client interface after change	Successful and show the preview of client interface after change
24	Maintaining the order status	Go to maintaining order page	Display all orders	Display all orders

7 Brief description on the characteristics or good design of your application

7.1 Clients can browse our items anywhere

Clients can use any mobile device to access our application. The application layout is fit any device screen size.

7.2 Clients can store items to shopping cart without login

Clients can store the items when they see their favourite item. The shopping cart items will be store at least 30 minutes. When they want to purchase, just need to login their account.

7.3 Clients can register in few steps

Client can register as a member by fill the register from and waiting manager verify.

7.4 Clients can search items easily

Client can search by input any keyword such as item name and designer name.

7.5 Manager can verify clients quickly

The Application will cleanly show clients' details. Manager only click a button to verify.

8 Conclusions

This report has integrated our work result of this assignment.

Regrinding the system structure, this report has explained we how to apply the MVC model to the application with some diagrams. Additionally, the site map list out our website structure. Moreover, it contains ERD to show the database implementation.

For the quality assurance, the application has been tested with some test cases and test plans which have be contained in this report.

Finally, this report list out the benefit of the application and the needs for installation.

9 Skill checklist

- Use JSP/servlets to dynamically generate HTML pages
- Use JSP/servlets to accept user inputs from browser
- Use JSP Action
- Use Custom Tag
- Use JavaBean
- Use JDBC for database connection
- Use session checking
- Use login control
- Apply MVC model
- Use JavaScript to control from fill in content
- Use jQuery to show alert message