Hamilton Easy Repair

Frank Fan

Background:

Our technology of computer and mobile stuff are growing fast nowadays, we got so many different brands and many different types of devices. The most of them are very expansive for us and the repairing fees are even more expensive. We have so many repair stores that can repair our devices cheaper than official store and have the same quality, we don't need to wait so much time and money. But because people are barely familiar with those stores so the stores might not get a good number of customers and gain to grow up. Repairs are always better than replace. So, I hope this application can make people understand more about the repair stores and make repair much easier and cheaper.

Project Description:

This is a web application called "Hamilton Easy Repair" that user can purchase repair server for the stuff like printer, refrigerator, or computer online. In this application, there is many repair companies that have registered, and once people want to repair their stuff like computer, they can choose a company and purchase repair server like "changing power supply" server. Different company has different price and server, and the customer can rate for different companies.

Login Instructions:

1. the URL pointing to the live project: (Not useable)

https://hamiltoneasyrepair.000webhostapp.com/

2. the login instructions for test user and admin accounts:

Customer:

account: customer password: 123456

Shop owner: account: shop password: 123456

Administrator: account: admin password: 123456

Functionality Chart:

Function	Customer	Seller	Administrator
1. Login	X	X	X
2. Forgot password	X	X	

3. Create new account	X	X	
4. View home page	X	X	X
5. Logout	X	X	X
6. Search store (CORE)	X		
7. Sort stores	X		
8. View store page	X		
9. Order online	X		
10. Rating and comment	X		
11. View order history	X		
12. Order tracking	X		
13. Add new product		X	
14. Update products		X	
15. Remove products		X	
16. Update tracking progress information		X	
17. Post news			X
18. Update news			X
19. Delete news			X
20. Update user			X
21. Delete user			X
22. Home page management function			X
23. Add to favorite	X		

Summary of functionality:

1. Login:

Welcome to Hamilton Easy Repair

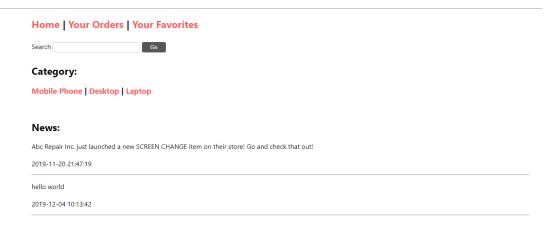
Username	
Password	
Customer	Shop Owner Administrator
	Forgot Password?
	Login
Don't h	ave an account yet? Sign Up

(Figure 1: login page)

This (Figure 1) is the "Login" page that a user is using his account with his username and password. Shop owners and administrators have the same way to log in by choosing "Shop Owner" or "Administrator".

2. View home page:

Welcome to Hamiton Easy Repair



(Figure 4-1: View home page customer home page)

Shop Owner Homepage

Update Status | Manage Store

(Figure 4-2: View home page shop owner home page)

Administrator Homepage

Manage News | Manage Customer | Manage Homepage

(Figure 4-3: View home page administrator home page)

This is the "View home page" part. There are three different home pages that for three different types of users. The first home page is for customers (Figure 4-1), another home page is for "Shop Owner" (Figure 4-2) and the last home page is for "Administrator"

(Figure 4-3).

3. Search store:

Home | Your Orders | Your Favorites

Search	good	Go	
--------	------	----	--

Category:

Mobile Phone | Desktop | Laptop

(Figure 6-1: Search store search page)

Home | Your Orders | Your Favorites

Results:

Add your Favorite Store



Store ID: 1

Store Name: Good Repair Inc.

Major Brand: Huawei

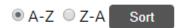
(Figure 6-2: Search store result page)

This is the "Search store" part. In this case, customer1 wants to search the keyword "Repair", so he typed "repair" into the search box at the right up corner of the interface of the program (Figure 6-1) then click "Go" button besides the search box. Once he presses the button, he will see a page that displays all the stores that are relative of the keyword that he just entered "repair" (Figure 6-2).

4. Sort stores:

Home | Your Orders | Your Favorites

Mobile Phone:



Add your Favorite Store



Store ID: 1

Store Name: Good Repair Inc.

Major Brand: Huawei

(Figure 7: Sort stores page)

This is the sort stores part of the program. In this case, the user customer1 wants to sort the result from (A-Z) at the result page, so he needs to press the sort button at the right side of the page then there will be two choices displayed: one is from "A-Z" another one is form "Z-A" (Figure 7). After he presses the "A-Z", he will see the page that displayed by "A-Z".

5. View store page:

Home | Your Orders | Your Favorites

Store Detail:

Screen Change: \$250 Buy

Battery Change: \$666 Buy

Battery Replace: \$321 Buy

(Figure 8: View store page store home page)

This is the "View store page". The customer1 wants to see what products does "ABC Repair Inc." have. So, he pressed the store link of "Good Repair Inc." (Figure 7). The store detail page will be displayed to customer1 (Figure 8). In this page, "ABC Repair Inc." got two different products which are "Battery change" and "Screen change".

6. Purchase online:

Screen Change - \$250

First Name	
Last Name	
Last Name	
Email Address	
Card number	MM/YY CVC
	Submit Payment

(Figure 9: Purchase online enter payment information page)

This is the "Purchase online" part. In this case, customer1 wants to purchase the product "Battery change" that "ABC Repair Inc." has (Figure 8). So, he pressed "Buy" button on the page and there is a purchase page displayed to the customer1. After he fills the purchase information he needs to press "Pay" button at the button of the page (Figure 9).

Functionality proposed but replaced:

None

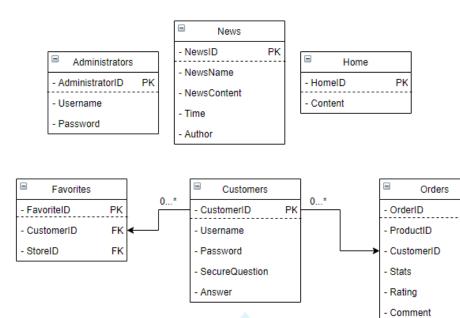
Functionality proposed but not completely developed:

None

Development Stack:

HTML, CSS, PhpMyAdmin, PHP, JavaScript.

Database Schema:



ShopOwners

PΚ

0..*

- StoreID

- Username

- Password

- Answer

- Major

- StoreName

- SecureQuestion

PK

FΚ

FΚ

FΚ

Products

- ProductID

- ProductName

- ProductPrice

StoreID

0...*

Testing Report:

Test to Pass

1. Test login with the correct password.

open	http://localhost/fp/	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]</pre>	
click	link=here	
verifyText	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Welcome to Hamiton Easy Repair']) [1]/preceding::div[1]	Hi, customer! Log out
click	link=Log out	
click	link=here	

2. Test "Forgot password" function with the correct secure question answer.

open	http://localhost/fp/index.html	
click	link=exact:Forgot Password?	
click	name=username	
type	name=username	customer
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter your Username:'])[1]/following:: button[1]</pre>	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Next'])[1]/preceding::b[1]</pre>	question
click	name=answer	
type	name=answer	answer
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='question'])[1]/following::button[1]</pre>	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Next'])[1]/preceding::p[1]</pre>	Success! Please click the button to go to the next page!
click	$\label{eq:linear_path} \begin{split} & xpath = //*/text()[normalize-space(.) = 'Next']/paren \\ & t::^* \end{split}$	
click	name=password	
type	name=password	123456
click	$\label{eq:linear_path} \begin{split} & \text{xpath=//*/text()[normalize-space(.)='Next']/paren} \\ & \text{t::*} \end{split}$	
click	link=here	

3. Test logout as customer, shop owner and administrator.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	xpath=(.//*[normalize-space(text()) and normalize-space(.)='Forgot Password?'])[1]/following::button[1]	
click	link=here	
verifyText	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Welcome to Hamiton Easy Repai r'])[1]/preceding::div[1]	Hi, customer! Log out
click	link=Log out	
click	link=here	

4. Test to create a new account with correct information.

click	link=Sign Up	
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Registration Page'])[1]/following::b utton[1]</pre>	
click	name=username	
type	name=username	customer
type	name=username	customer1
click	name=password	
type	name=password	123456
type	name=cPassword	123456
type	name=secure_question	question
type	name=answer	answer
type	name=cAnswer	answer
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Customer Registration'])[1]/followi ng::button[1]	
click	link=here	

5. Test to view home page as customer.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]	
click	link=here	
verifyTitle	Hamilton Easy Repair	

6. Test the search function with the valid keyword.

open	http://localhost/fp/2_customer.php	
click	name=search	
type	name=search	good
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Your Favorites'])[1]/following::button [1]</pre>	
click	xpath=//*/text()[normalize-space(.)="]/parent::*	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)="Your Favorites"])[1]/following::h3[1]</pre>	Results:
click	link=Home	

7. Test to sort the result with "A-Z" and "Z-A"

open	http://localhost/fp/2_customer.php
click	link=Mobile Phone
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Mobile Phone:'])[1]/following::button [1]</pre>
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Mobile Phone:'])[1]/following::form[1]</pre>
click	xpath=(//input[@name='select'])[2]
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Mobile Phone:])[1]/following::button [1]</pre>
click	xpath=//*/text()[normalize-space(.)="]/parent::*
verifyText	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Your Favorites'])[1]/following::h3[1] Sorted Results:
click	xpath=//*/text()[normalize-space(.)="]/parent::*
click	link=Home

8. Test to make a purchase with the correct information.

open	http://localhost/fp/2_customer.php	
click	link=Mobile Phone	
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Add your Favorite Store'])[1]/follow ing::a[2]	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Log out'])[1]/following::h1[1]</pre>	mystore
click	link=Buy	
click	name=first_name	
type	name=first_name	Zhongjun
click	name=last_name	
type	name=last_name	Fan
click	name=email	
type	name=email	v623132817@gmail.com
selectFrame	index=1	
click		
	name=cardnumber	
type	name=cardnumber name=cardnumber	4242 4242 4242 4242
type type		4242 4242 4242 4242 04 / 24
	name=cardnumber	
type	name=cardnumber name=exp-date	04 / 24
type type	name=cardnumber name=exp-date name=cvc	04 / 24
type type type	name=cardnumber name=exp-date name=cvc name=postal	04 / 24
type type type selectFrame	name=cardnumber name=exp-date name=cvc name=postal relative=parent xpath=(.//*[normalize-space(text()) and normalize-space(.)='Screen Change - \$250])[1]/followin	04 / 24

9. Test to view order history as customer.

open	http://localhost/fp/2_customer.php	
click	link=Your Orders	
verifyText	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Log out'])[1]/following::h1[1] View Your Order	S
click	link=Home	

10. Test to view order stats after purchase an order online.

open	http://localhost/fp/2_customer.php	
click	link=Your Orders	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Amount:'])[1]/following::b[1]</pre>	Status:
click	link=Home	
click	link=Log out	
click	link=here	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Username'])[1]/preceding::h1[1]</pre>	Welcome to Hamilton Easy Repair

11. Test to add a new item as a shop owner.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	shop
click	name=password	
type	name=password	123456
click	xpath=(//input[@name='thing'])[2]	
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Forgot Password?'])[1]/following::b utton[1]	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='here'])[1]/preceding::p[1]</pre>	Hello, shop!
click	link=here	
click	link=Manage Store	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Log out'])[1]/following::h2[1]</pre>	Products from your store:
click	link=Add New Product	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='< Back'])[1]/preceding::h1[1]</pre>	Create New Product
click	name=product_name	
type	name=product_name	Phone cleaning
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='< Back'])[1]/following::form[1]</pre>	
click	name=product_price	
type	name=product_price	15
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Please enter product price:'])[1]/fol lowing::button[1]	
click	link=here	

verifyText	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Products from your store:'])[1]/foll owing::div[1]	< Back Your products: Edit Product Delete Product Product ID: 8Screen Change \$25 OProduct ID: 11Battery Change \$666Prod uct ID: 12Battery Replace \$321Product I D: 18Phone cleaning \$15 Add New Produ ct
click	link=< Back	

12. Test to update a product as a shop owner.

open	http://localhost/fp/3_shop.php	
click	link=Manage Store	
click	link=Edit Product	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='< Back'])[1]/preceding::h1[1]</pre>	Update Product
click	name=product_id	
type	name=product_id	18
click	name=product_name	
type	name=product_name	Phone cleaning
type	name=product_name	Phone cleaning2
click	name=product_price	
type	name=product_price	20
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter New Product Price'])[1]/followin g::button[1]	
click	link=here	
click	xpath = //*/text()[normalize-space(.) = "]/parent::*	
click	xpath=//*/text()[normalize-space(.)="]/parent::*	
verifyText	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Products from your store:'])[1]/followi ng::div[1]	< Back Your products: Edit Product Delete P roduct Product ID: 8Screen Change \$250P roduct ID: 11Battery Change \$666Product ID: 12Battery Replace \$321Product ID: 18 Phone cleaning2 \$20 Add New Product
click	link=< Back	

13. Test remove a product in the store.

open	http://localhost/fp/3_shop.php	
click	link=Manage Store	
click	link=Delete Product	
click	name=product_id	
type	name=product_id	18
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter Product ID'])[1]/following::butto n[1]	
click	link=here	
click	link=< Back	

14. Test to update a tracking information to a specific order.

open	http://localhost/fp/3_shop.php	
click	link=Update Status	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='< Back'])[1]/following::p[1]</pre>	Transaction ID: tok_1FhOspK8E9kJ4HcNpsU rnhtsBattery Replace (Status: Finished) Upd ate
click	link=Update	
click	name=status	
type	name=status	Finished
type	name=status	Finished2
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter new status and click next:'])[1]/f ollowing::button[1]	
click	link=here	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='< Back'])[1]/following::p[1]</pre>	Transaction ID: tok_1FhOspK8E9kJ4HcNpsU rnhtsBattery Replace (Status: Finished2) Up date
click	link=< Back	
click	link=Log out	
click	link=here	
verifyText	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Username'])[1]/preceding::h1[1]	Welcome to Hamilton Easy Repair

15. Test to post news as an administrator.

open	http://localhost/fp/	
click	name=username	
type	name=username	admin
type	name=password	123456
click	xpath=(//input[@name='thing'])[3]	
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]	
click	link=here	
verifyTitle	Administrator Homepage	
click	link=Manage News	
verifyTitle	Hamilton Easy Repair	
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Manage News:])[1]/following::div[1]</pre>	
click	link=Add News	
click	name=news_name	
type	name=news_name	News 2020
type	name=news_content	Hello
type	name=author	admin
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Please enter author name:'])[1]/follow ing::button[1]</pre>	
click	link=here	
verifyTitle	Hamilton Easy Repair	
click	link=< Back	

16. Test to update a news.

open	http://localhost/fp/4_admin.php	
click	link=Manage News	
verifyTitle	Hamilton Easy Repair	
click	link=Edit News	
click	name=news_id	
type	name=news_id	8
click	name=news_name	
click	name=news_name	
type	name=news_name	News 2021
type	name=news_name name=news_content	News 2021 Hello2
type	name=news_content	Hello2
type	name=news_content name=author xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter Updated Author:'])[1]/following::	Hello2
type type click	name=news_content name=author xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter Updated Author:'])[1]/following:: button[1]	Hello2

17. Test to delete a news so it won't appear at the home page.

open	http://localhost/fp/4_admin.php	
click	link=Manage News	
click	link=Delete News	
click	name=news_id	
type	name=news_id	8
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter News ID'])[1]/following::button [1]	
click	link=here	
click	link=< Back	

18. Test to update a user information as an administrator.

open	http://localhost/fp/4_admin.php	
click	link=Manage Customer	
click	link=Edit Cutsomer	
click	name=customer_id	
type	name=customer_id	6
type	name=username	customer
type	name=password	123456
type	name=secure_question	123456
click	name=answer	
type	name=answer	123
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter New Secure Question Answe r:'])[1]/following::button[1]	
click	link=here	
verifyTitle	Hamilton Easy Repair	

19. Test to delete a user as administrator.

open	http://localhost/fp/4_manage_customer.php	
click	link=Delete Customer	
click	name=customer_id	
type	name=customer_id	6
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter customer ID'])[1]/following::butt on[1]	
click	link=here	
click	link=< Back	

20. Test to modify the content of home page with a different title.

open	http://localhost/fp/4_admin.php	
click	link=Manage Homepage	
click	link=Edit Homepage Content	
click	name=content_id	
type	name=content_id	1
type	name=content	Mobile
sendKeys	name=content	\${KEY_ENTER}
click	xpath=//*/text()[normalize-space(.)="]/parent::*	
click	link=here	
verifyTitle	Hamilton Easy Repair	
click	link=< Back	
click	link=Log out	
click	link=here	
verifyTitle	Hamilton Easy Repair	

21. Test to add a store to favorite as a customer.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]</pre>	
click	link=here	
click	link=Mobile	
click	link=Add your Favorite Store	
click	name=store_id	
type	name=store_id	2
click	//input[@value='Confirm']	
click	link=Go Back	
click	link=Your Favorites	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Click here to Delete a favorite'])[1]/foll owing::a[2]</pre>	Store ID: 2 Store Name: mystore Major Bran d: APPLE
click	link=Home	
click	link=Log out	
click	link=here	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Username'])[1]/preceding::h1[1]</pre>	Welcome to Hamilton Easy Repair

Test to Fail

1. Test to log in with wrong username or password.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	1234567
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]</pre>	
verifyText	xpath=//*/text()[normalize-space(.)='Please try a gain']/parent::*	Please try again

2. Test to enter wrong secure answer while using the forgot password function.

open	http://localhost/fp/index.html	
click	link=exact:Forgot Password?	
click	name=username	
type	name=username	customer
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter your Username:'])[1]/following:: button[1]	
click	name=answer	
type	name=answer	123
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='question'])[1]/following::button[1]</pre>	
verifyText	xpath=//*/text()[normalize-space(.)='Please try a gain']/parent::*	Please try againBack
click	link=Back	

3. Test to login with current username and password but different role.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	xpath=(//input[@name='thing'])[2]	
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]	
verifyText	xpath=//*/text()[normalize-space(.)='Please try a gain']/parent::*	Please try again

4. Test to add a new product with the invalid input as price (a string).

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	shop
click	name=password	
type	name=password	123456
click	xpath=(//input[@name='thing'])[2]	
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]</pre>	
click	link=here	
click	link=Manage Store	
click	link=Add New Product	
click	name=product_name	
type	name=product_name	Phone cleaning2
click	name=product_price	
type	name=product_price	lkjhg
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Please enter product price:'])[1]/follo wing::button[1]</pre>	
click	link=here	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Product ID:'])[3]/following::b[1]</pre>	Product ID:
click	link=< Back	

5. Test to modify a new product price with the invalid input (a string).

open	http://localhost/fp/3_shop.php	
click	link=Manage Store	
click	link=Edit Product	
click	link=< Back	
click	link=Edit Product	
click	name=product_id	
type	name=product_id	8
click	name=product_name	
type	name=product_name	Phone cleaning
click	name=product_price	
type	name=product_price	lkjhg
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='< Back'])[1]/following::form[1]</pre>	
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter New Product Price'])[1]/followin g::button[1]	
click	link=here	
click	link=< Back	
click	link=Log out	
click	link=here	

6. Test to upload news as administrator without filling all the information.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	admin
type	name=password	123456
click	xpath=(//input[@name='thing'])[3]	
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Forgot Password?'])[1]/following::b utton[1]</pre>	
click	link=here	
click	link=Manage News	
click	xpath=//*/text()[normalize-space(.)="]/parent::*	
click	link=Add News	
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Please enter author name:'])[1]/foll owing::button[1]</pre>	
click	link=< Back	
verifyText	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Log out'])[1]/following::h2[1]	Manage News:
click	link=< Back	

7. Test to update news as administrator but leave some field as blank.

click	link=Manage News	
click	link=Edit News	
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='< Back'])[1]/following::form[1]</pre>	
click	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Enter Updated Author:'])[1]/followi ng::button[1]</pre>	
click	link=< Back	
verifyText	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Log out'])[1]/following::h2[1] Manage News	:
click	link=< Back	

8. Test to update home page content with blank input as administrator.

open	http://localhost/fp/4_admin.php
click	link=Manage Homepage
click	link=Edit Homepage Content
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter Content:'])[1]/following::button [1]</pre>
click	link=< Back
click	link=< Back
click	link=Log out
click	link=here

9. Test to add same product to favorite twice. (Show a message like "You have already added to your favorite.")

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	customer
click	name=password	
type	name=password	123456
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Forgot Password?'])[1]/following::b utton[1]	
click	link=here	
click	link=Your Favorites	
click	xpath=(.//*[normalize-space(text()) and normali ze-space(.)="View Your Favorite Stores"])[1]/foll owing::h2[1]	
click	link=Home	
click	link=Mobile	
click	link=Add your Favorite Store	
click	name=store_id	
type	name=store_id	2
click	$\label{eq:continuous} \begin{split} & \texttt{xpath=//*/text()[normalize-space(.)='Hello, cust} \\ & \texttt{omer!']/parent::*} \end{split}$	
click	//input[@value='Confirm']	
click	link=Go Back	
click	link=Your Favorites	
verifyText	<pre>xpath=(.//*[normalize-space(text()) and normali ze-space(.)='Click here to Delete a favorite'])[1]/ following::a[2]</pre>	Store ID: 2 Store Name: mystore Major Brand: APPLE

click	link=Home
click	link=Log out
click	link=here

10. Test to update a stat of an order as shop owner with blank message.

open	http://localhost/fp/index.html	
click	name=username	
type	name=username	shop
click	name=password	
type	name=password	123456
click	xpath=(//input[@name='thing'])[2]	
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Forgot Password?'])[1]/following::butt on[1]	
click	link=here	
click	link=Update Status	
click	link=Update	
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter new status and click next:'])[1]/f ollowing::button[1]	

11. Test to update a product as a shop owner with blank message.

open	http://localhost/fp/3_shop.php
click	link=Manage Store
click	link=Edit Product
click	xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Enter New Product Price'])[1]/followin g::button[1]
click	link=< Back
click	link=< Back

12. Test to add new product as a shop owner with blank message.

open	http://localhost/fp/3_shop.php
click	link=Manage Store
click	link=Add New Product
click	<pre>xpath=(.//*[normalize-space(text()) and normaliz e-space(.)='Please enter product price:'])[1]/follo wing::button[1]</pre>
click	link=< Back
click	link=< Back
click	link=Log out
click	link=here