Shopping-Cart-Application

This is the based of the shopping cart using the spring with bootstrap in session 6/8.

To run the using the spring boot maven plugin

Base of the project-

mvn clean install

Then after that to the web part and run the whole project is:

cd web

mvn spring-boot:run

This is the URL link I have provided - <http://localhost:8080/index.html>

There is another link to navigate to the <http://localhost8080/shoppingcart>

The main link to run the project of using NetBeans to embedded tomcat server.

When you click on the webfacade example project into NetBeans and select specific one then you will have to use tomcat and launch the application.

Then it will ask the username and the password just to get into the server part and to get into the admin.

Firstly you will have to make sure that it has stopped of any maven and then you will be able to go on tomcat before you do that.

Then you will be able to see the application on the URL link- <http://localhost:8080/shoppingcartapplcation/home.jsp>

The system requirements for the project:

1. Java version 11
2. Apache Maven 3.8
3. Tomcat
4. Chrome/firefox

The object for the project:

The main objective for the project is to use the java tool and to be able to do it and make a running program for the shopping cart which can also let the user to explore a catalogue while adding the item to the basket. Which will allow the user to do the transaction from the order and the purchase item. This application can be done by the admin log in it should be able to access the manage user which can either allow them to make any different changes to the user login to the page.

Requirement:

With the requirement it can be used with different tools and to make the application working and can be include like:

The application of java for the back end of the whole project.

Can also be used by the pages include the JavaScript and CSS of some html part.

Features

1. Can allow the user and can be able to delate it or modify the changes of the catalogue.
2. With the administrator to. Remove of the. catalogue.
3. The system can be interact of the bank service client over the interface to make a charge of the user credit card.

Point of view admin side

|  |  |  |
| --- | --- | --- |
| The admin | Action | Response |
| 1 | log in | goes to the user admin |
| 2 | it goes straight to the basket or the admin and manage the catalogue | redirect to the page |
| 3 | admin can the item | then it will add the items into the catalogue page for the admin and the user. |
| 4 | then the admin can remove the user. | can be remove the user out from the database. |
| 5 | can view all of the orders | the admin can see the view page into the order page. |

User point of view

|  |  |  |
| --- | --- | --- |
| user | Action | Response |
| 1 | user can enter the web. Addresses into the web browser | the link goes back to the home page |
| 2 | with the user must has to create a account for the log in to use the program using a user name and password. | then that will take you to the home page part. |
| 3 | you can add the product to the shopping cart. | then add the item within the shopping cart. |
| 4 | the item in the basket of the shopping cart can be removed | remove from the item and remove the amount straight away. |
| 5 | by clicking on the button the user can get the item from the page. | the user checkout. |
| 6 | it should have the right card details is entered by the user | then the program can verify the credit card information and can validate it. |
| 7 | the user can forget to submit credit card of the information. | the error can be appears for the informing the user that can be further information would be required. |
| 8 | the user can provided false information | then you can correct the information from an error page appears. |
| 9 | the input is to put the correct information on the site | the verification can appear on the screen. |
| 10 | this can be a ordered pages from that can allow the user to view their orders on the site. | take them to the other page where they can see the order have been selected. |
| 11 | the about page is to tell you about the current of the website. | takes them to the other page of a about information. |
| 12 | contact page can let you contact regarding about the website. | this can take you to the contact page and show the form where you can fill the details and send a message to. |

User Tests

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Action | expected reaction | status |
| 1 | enter the application web address | link to the back user | yes |
| 2 | either log in or register to a account | the user can get through to the login page or can not get in | yes |
| 3 | the user can add the item to the cart | the item can added to the shopping cart of the price and the total number. | yes |
| 4 | the user can buy it from the item by clicking the checkout page on the nav bar | to the checkout page | yes |
| 5 | the user can submit with the wrong details. | the error message will come up and it will show failed. | no |
| 6 | the card detail will be correct | payment can be accepted | no |
| 7 | the user can see the item from the page | the item status | yes |
| 8 | can log out | redirect to the homepage. | yes |

Admin Test:

|  |  |  |  |
| --- | --- | --- | --- |
| test | action | reaction | status |
| test-1 | the application of the host is url entered by the administrator | the admin will take you to the home page | yes |
| test-2 | log in | it will either of the admin to a successfully login or will show you the wrong incorrect information | yes |
| test-3 | the admin has the part to modify the orders | the administrator will be able to add and remove the item | yes |
| test-4 | admin has the part of modify the orders | to remove or add | no |
| test-5 | with the admin can see the user has been ordered | clicking on the order link | yes |
| test-6 | can log out | redirect to the home page straight away | yes |

Robustness diagram

With the diagram it will show you the use case behaviour and can be include the participant of the classes and the software. The graphic will show you a user of buying the item from the catalogue, and then entering the card detail to buy the selected item. It can also show you the admin part of side such as and can be modifying the items and with the user of details.

Diagram

Description automatically generated

Sequence diagram:

The sequence diagram is the depict of the interaction of that must can be occur of the order for a processes to be completed. The diagram underneath shows the role of the each user which can be include the user and the customer, admin also it shows the important information of the cart.

Diagram

Description automatically generated with medium confidence