

ON line shopping application

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GIT REPO: [GEBREALIEF/FINAL-WAP-PROJECT](#)



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Project objective



The main objective of this project is

- ▶ To provide a user friendly and easy to use shopping experience to the users.
- ▶ To make it easier for the product owners to add products and maintain.
- ▶ To make searching products easier for both shoppers and product owners.

Technologies

- ▶ Clientside technologies
 - ✓ Html,Css
 - ✓ Java Script(Jquery, Ajax)
- ▶ Serverside side technologies
 - ✓ Java
 - ✓ Servlets
 - ✓ Jsp

Use cases

- ▶ Log in
- ▶ Signup
- ▶ Add product
- ▶ Check out


Log In use case

- ▶ Anyone can view Online Shopping portal and available products, but every user must login by his/her Username and password in order to purchase or order products.


Online Shopping

login


signup


iPohne
Description: New with amazing look.
Quantity: 3
Price: \$549


Add To Cart



LG G6
Description: High quality camera
Quantity: 4
Price: \$650


Add To Cart


S7 Edge
Description: With better performance
Quantity: 5
Price: \$750

Add To Cart


P8 Huawei
Description: Long


iPhone 7
Description: Slim design


P9 Huawei
Description: High

Welcome

user name:

password:

remember me: ☒

invalid user name and password!

Login

Items in your Cart

Option	Id	Name	Price	Quantity	Subtotal
Total: \$0.0					

Check Out


Sign up use case

- ▶ Unregistered members can register by navigating to registration page.
- ▶ After the user registers we navigate them to the login page where they will enter their username and password and login.

Online Shopping

login

signup




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Quantity: 5


Price: \$750

Add To Cart




P8 Huawie

Description: Long



iPhone 7

Description: Slim design



P9 Huawie

Description: High

Sign Up

Full Name:

User Name:

Password:

Email:

Sign Up

Items in your Cart


Option	Id	Name	Price	Quantity	Subtotal
Total: \$0.0					
<div>Check Out</div>					

Add product

- ▶ Only Admin will have access to modify roles, by default developer can only be an 'Admin'.
- ▶ The admin clicks on add product button and the add product information section of the page will be loaded asynchronously.
- ▶ Admin only will be able to add products to the product list.

Online Shopping

Add Productlog out




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Quantity: 5


Price: \$750

Add To Cart




P8 Huawei

Description: Long



iPhone 7

Description: Slim design



P9 Huawei

Description: High

Add NEW Product

Name:

Description:

Quantity:

Price:

Add

Items in your Cart

Option	Id	Name	Price	Quantity	Subtotal
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Total: \$0


Check Out

Add to cart

- ▶ Once a user is logged in then she/he can put products to their cart and by pressing the add button on each product.
- ▶ The added items will be shown under the items on your cart section.
- ▶ All the item prices will be added and displayed on the bottom as total:

Online Shopping

Add Productlog out




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Add To Cart



S7 Edge

Description: With better performance

Quantity: 5

Price: \$750

Add To Cart

Items in your Cart

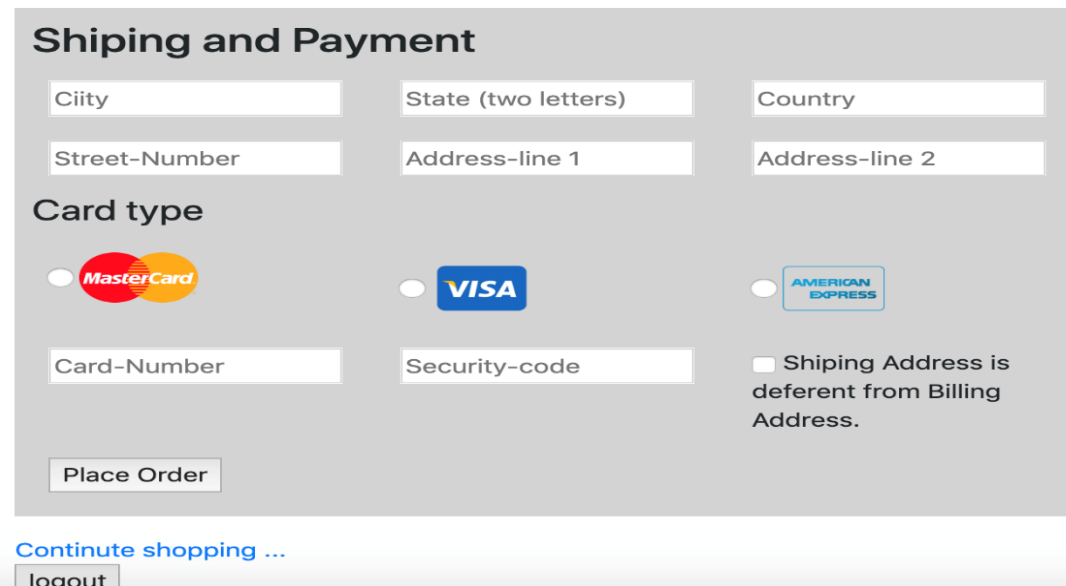
Option	Id	Name	Price	Quantity	Sul
<div>Remove</div>	3	S7 Edge	\$750	1	\$750

Total: \$750

Check Out

Check out

- ▶ Once the user decided which products to buy then they can check out by pressing the checkout button.
- ▶ It will redirect them to the checkout page which asks for their shipping address and payment information.



The screenshot shows a 'Shipping and Payment' form with the following fields and options:

- Shipping Address Fields:**
 - City
 - State (two letters)
 - Country
 - Street-Number
 - Address-line 1
 - Address-line 2
- Card type:**
 - ☐ MasterCard
 - ☐ VISA
 - ☐ AMERICAN EXPRESS
- Payment Fields:**
 - Card-Number
 - Security-code
- Checkbox:**
 - ☐ Shipping Address is deferent from Billing Address.
- Buttons:**
 - Place Order
 - [Continue shopping ...](#)
 - logout

sample page implementation(sign up ajax request)

```
function loadSignUpPage (evt) {
    hideAllControlsExcept('#signup-control');
    $('#add-product').find("*").remove();
    $.ajax("signup", {
        type: "GET"
    }).done(function(data) {
        $('#add-product').html(data);
    });
    $('#signup-control').removeClass('hide');
}

function sendLoginDetails(evt) {

    var userName= $('#user-name').val();
    var password= $('#password').val();
    var checkbox= $('#checkbox').val();
    //alert("us: " + userName + " , ps: " + password + " , ch: " + checkbox );
    $.post("login",{
        "user-name": userName,
        "password": password,
        "checkbox": checkbox,
    }).done(successLoginDetail).fail(successLoginDetail);
}
```

challenges we faced

- ▶ Issues with IntelliJ IDEA and Tomcat being inconsistent and caching information
- ▶ Ajax request issues which we asked fellow class mates and got a solution for.

Thank you!!!