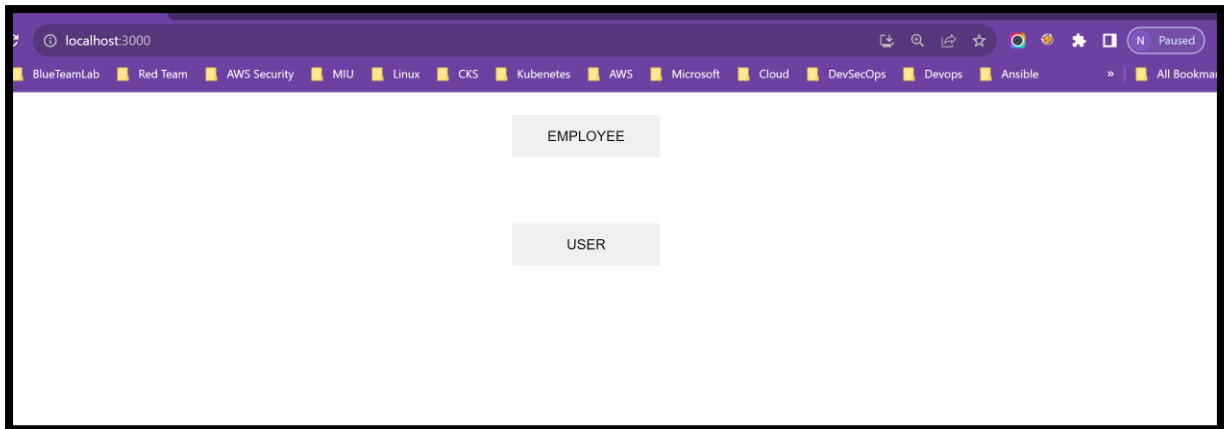
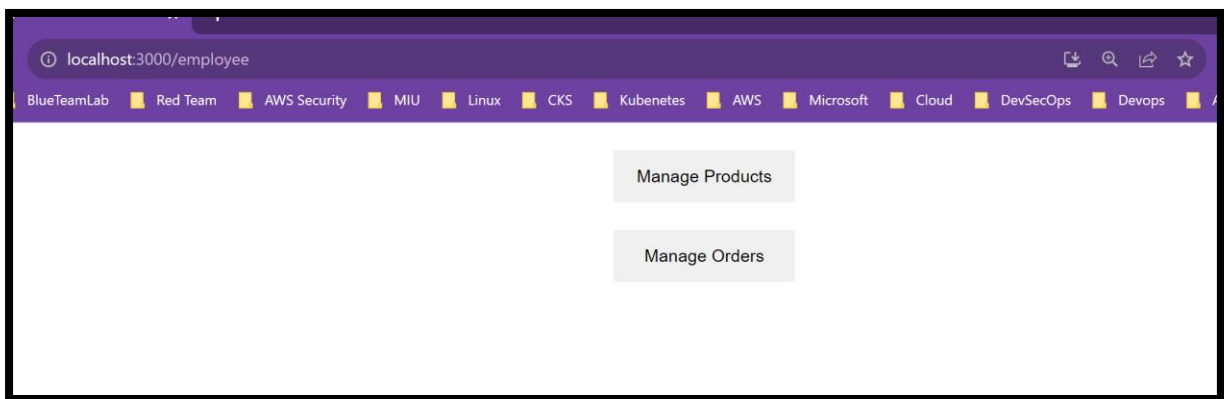


Team Member: Chit Ko Ko and Wint Nandar Lwin

Landing Page



When clicked on 'EMPLOYEE', it will be redirected to employee page.



When clicked on 'Manage Products', it will be redirected to product page that shows product list and allows to add new product. Validation is applied to all fields upon submission of new product.

localhost:3000/products

BlueTeamLab Red Team AWS Security MIU Linux CKS Kubernetes AWS Microsoft Cloud DevSecOps Devops

Product List

Product Number	Product Name	Description	Price		
P0002	AirPod	AirPod ABC	300	Remove	Edit
P0001	Macbook	computer	2500	Remove	Edit
P0003	Mouse	test	20	Remove	Edit

Add Product

Product Number	<input type="text"/>
Product Name	<input type="text"/>
Price	<input type="text"/>
Description	<input type="text"/>
Stock	<input type="text"/>
<input type="button" value="Submit"/>	

Add Product

Product Number	<input type="text"/>
	Product number is required
Product Name	<input type="text"/>
	Name is required
Price	<input type="text"/>
	Price is required
Description	<input type="text"/>
Stock	<input type="text"/>
	Stock is required
<input type="button" value="Submit"/>	

New product, speaker, is added successfully and appended into above table.

Product List

Product Number	Product Name	Description	Price		
P0002	AirPod	AirPod ABC	300	Remove	Edit
P0001	Macbook	computer	2500	Remove	Edit
P0003	Mouse	test	20	Remove	Edit
P0004	Speaker	Test	50	Remove	Edit

Add Product

Product Number	<input type="text"/>
Product Name	<input type="text"/>
Price	<input type="text"/>
Description	<input type="text"/>
Stock	<input type="text"/>
<input type="button" value="Submit"/>	

[Back To Home](#)

Upon clicking on 'Edit' button, it will be redirected to 'Edit Product' page.

localhost:3000/editproduct

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Edit Product

Product Number	P0002
Product Name	AirPod
Price	300
Description	AirPod ABC
Stock	7
<input type="button" value="Submit"/>	

[Back To Product List](#)

MIU

localhost:3000 says
Product: AirPods successfully updated

DevSecOps

P

Product Name

AirPod

Price

300

Description

AirPod ABC - update

Stock

7

Submit

Back To Product List

Product List

Product Number	Product Name	Description	Price		
P0002	AirPod	AirPod ABC - update	300	Remove	Edit
P0001	Macbook	computer	2500	Remove	Edit
P0003	Mouse	test	20	Remove	Edit
P0004	Speaker	Test	50	Remove	Edit

AWS Security

MIU

localhost:3000 says
Product: P0003 is deleted.

DevSecOps

Devops

Ans

Product List

Product Number	Product Name	Description	Price		
P0002	AirPod	AirPod ABC - update	300	Remove	Edit
P0001	Macbook	computer	2500	Remove	Edit
P0003	Mouse	test	20	Remove	Edit
P0004	Speaker	Test	50	Remove	Edit

When clicks on 'User' button in home page, it will be redirected to Product List page.

Product List			
Product Number	Product Name	Description	Price
P0002	AirPod	AirPod ABC ~ update	300
P0001	Macbook	computer	2500
P0004	Speaker	Test	50

[Back To Home](#)

When clicks on 'Product Number', it will be redirected to product detail page.

Product Detail			
Product Number:		P0001	
Product Name:		Macbook	
Add	0	Remove	
Go to Cart			
Review	<input type="text"/>		
Rating	<input type="text"/>		
Submit Review			
Review		Rating	
Back To Product List			

User can leave review for each product by filling review and giving the rating.

Product Detail

Product Number:		P0001	
Product Name:		Macbook	
Add	0	Remove	

Review	
Rating	1
<input type="button" value="Submit Review"/>	

Review	Rating
All time favourite	1

In Mongo DB, data is reflected successfully.

```

_id: ObjectId("655e37992d5b337ec2b13600")
productNumber: "P0001"
name: "Macbook"
price: "2500"
description: "computer"
stock: 1
reviews: Array
  0: Object
    review: "All time favourite"
    rating: 1
_class: "com.shopping.Planet.Domain.Product"

```

Checkout Record

User can checkout more than 1 product in one transaction.

Product Detail

Product Number:				P0001	
Product Name:				Macbook	
	Add	1	Remove		

Product Detail

Product Number:				P0004	
Product Name:				Speaker	
	Add	1	Remove		

Once clicked on 'Go to Cart', it will be added into shopping cart.

Cart

Product name	Quantity	Total Price
Macbook	1	2500
Speaker	1	50

Items

Product name	Quantity	Total Price
Macbook	1	2500
Speaker	1	50
Grand Total		2550

Username	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
City	<input type="text"/>
Street	<input type="text"/>
Zip	<input type="text"/>
<input type="button" value="Submit"/>	

Once submitted including user information, it will be redirected to payment page.

Items

Product name	Quantity	Total Price
Macbook	1	2500
Speaker	1	50
Grand Total		2550

Username	<input type="text" value="Winnie ABC"/>
Email	<input type="text" value="abcWinnie@gmail.com"/>
Phone	<input type="text" value="123908456"/>
City	<input type="text" value="Fairfield"/>
Street	<input type="text" value="Iowa"/>
Zip	<input type="text" value="52556"/>
<input type="button" value="Submit"/>	

Payment Detail

Card Type	Credit
Card Number	4501234987349012
Validation Code	223
<input type="button" value="Submit"/>	

Once payment information is submitted, checkout record will be successfully created and redirected to product list page.

localhost:3000 says

Check out Id: 655e43622d5b337ec2b13604 successful

OK

Card Number	4501234987349012
Validation Code	223
<input type="button" value="Submit"/>	

Product List

Product Number	Product Name	Description	Price
P0002	AirPod	AirPod ABC - update	300
P0001	Macbook	computer	2500
P0004	Speaker	Test	50

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Checkout record is created in MongoDB as well. Refer to below screenshot.

WAAProjectDb.checkoutRecord

DOCUMENTS N/A TOTAL SIZE N/A AVG. SIZE N/A INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { field: 'value' } OPTIONS

ADD DATA VIEW

Displaying documents 1 - 1

```

{
  "_id": ObjectId("655e43622d5b337ec2b13604"),
  "order": {
    "items": Array,
    "status": "PLACED",
    "total": "2550"
  },
  "user": {
    "username": "Winnie ABC",
    "email": "abcwinnie@gmail.com",
    "phone": "123988456",
    "city": "Fairfield",
    "street": "Iowa",
    "zip": "52556"
  },
  "payment": {
    "type": "Credit",
    "number": "4501234987349012",
    "date": "2023-11-22T06:00:00.000+00:00",
    "validationCode": 223
  },
  "_class": "com.shopping.Planet.Domain.CheckoutRecord"
}

```

Employee can update the checkout record status from 'PLACED' to 'SHIPPED' or 'DELIVERED'.

Order List

Checked-out Order Id	Product names	Status	Total	Update Status	
655e43622d5b337ec2b13604	Macbook, Speaker	PLACED	2550	Select Status ▾	Update Status

Back To Home

Order List

Checked-out Order Id	Product names	Status	Total	Update Status	
655e43622d5b337ec2b13604	Macbook, Speaker	SHIPPED	2550	SHIPPED ▾	Update Status

Back To Home

Number of stocks will be changed once the product is checked out.

Stock of speaker: 5 to 4

Edit Product

Product Number	P0004
Product Name	Speaker
Price	50
Description	Test
Stock	4
Submit	

Back To Product List