VELART: HOME GOODS

COSC 304: Introduction into Databases
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(GitHub Link and live site URL removed)

Mission: Our mission is to provide our customers with high-quality products made from consciously sourced ingredients ensuring responsibility and always putting customers first.

Executive summary
Velart is a home goods store where customers can find carefully selected articles such as scented candles, artisanal ceramics, wall art and other trinkets. Velart is a place where you can find everything to make your house feel like home while supporting local and international artists.

Our target audience includes new homeowners, art enthusiasts and individuals passionate about interior design who are looking for high quality, long lasting, ethically sourced, unique items that fits their lifestyle and reflects their personality.

What sets us apart is our profound passion for providing a platform for small artists, both local and international, to showcase their unique pieces that are meant to find a special place in your home.

We aim to create a strong, loyal community of customers who value mindful and meaningful consumption.

Walkthrough

Normal user credentials:
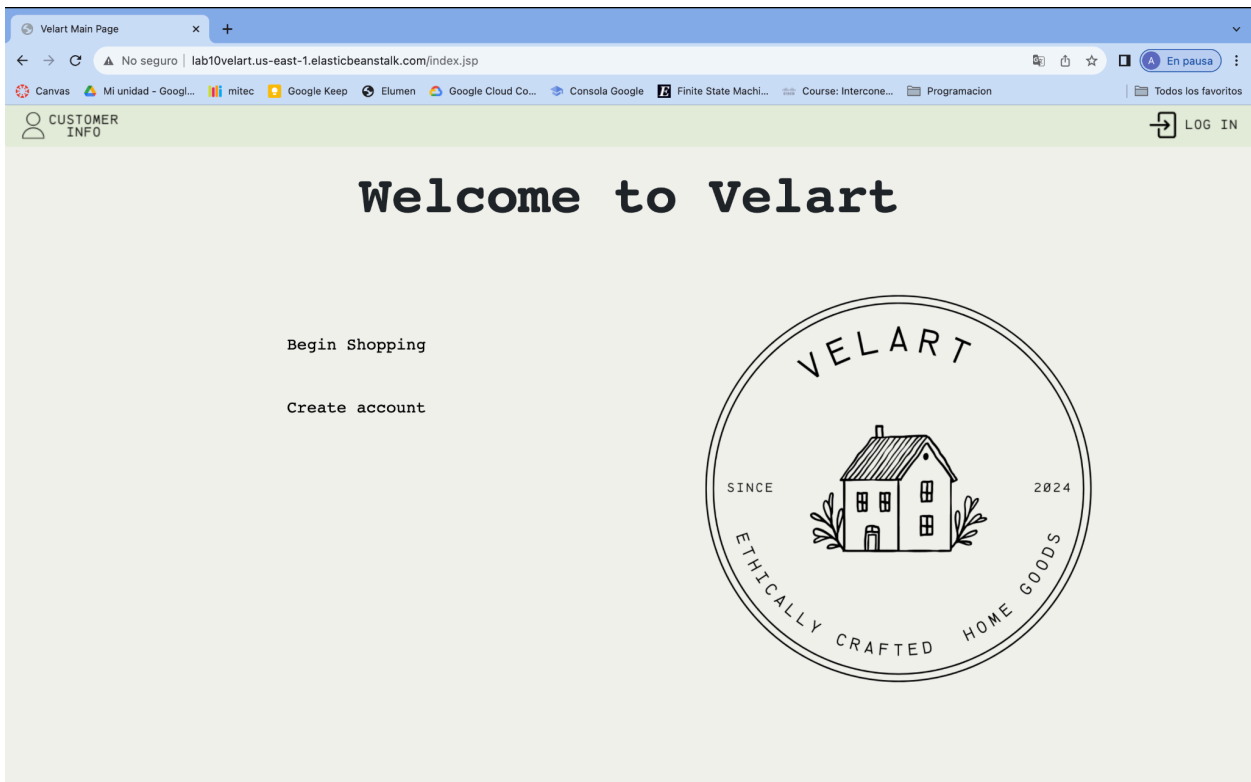Username: qhughes
Password: Hello123!
Admin credentials:
Username janed
Password: 1234

As a user

1. Landing page

When the user first logs into the page, they get into the landing page. Here they can Log in, Create an account or begin shopping.

2. Create an account

In the create an account page, the basic information will be asked for an account. Here, if an username is already taken in the database, a warning will pop up and the username will have to be changed as well as if the password does not match.
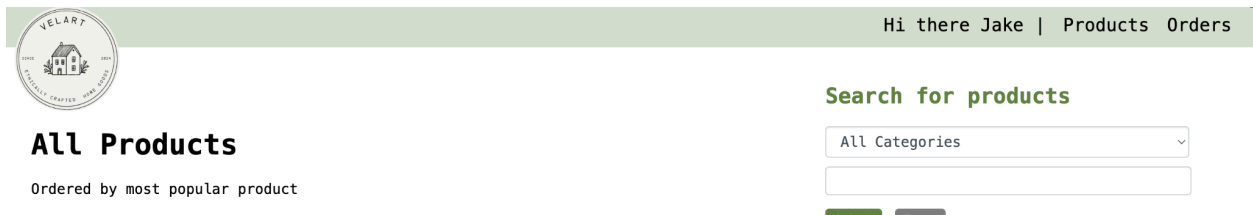
3. Login and session

Welcome to Velart

It's good to see you again, jake

Begin Shopping

List My Orders

VELART

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Hi there Jake | Products Orders

All Products

Ordered by most popular product

Search for products

All Categories
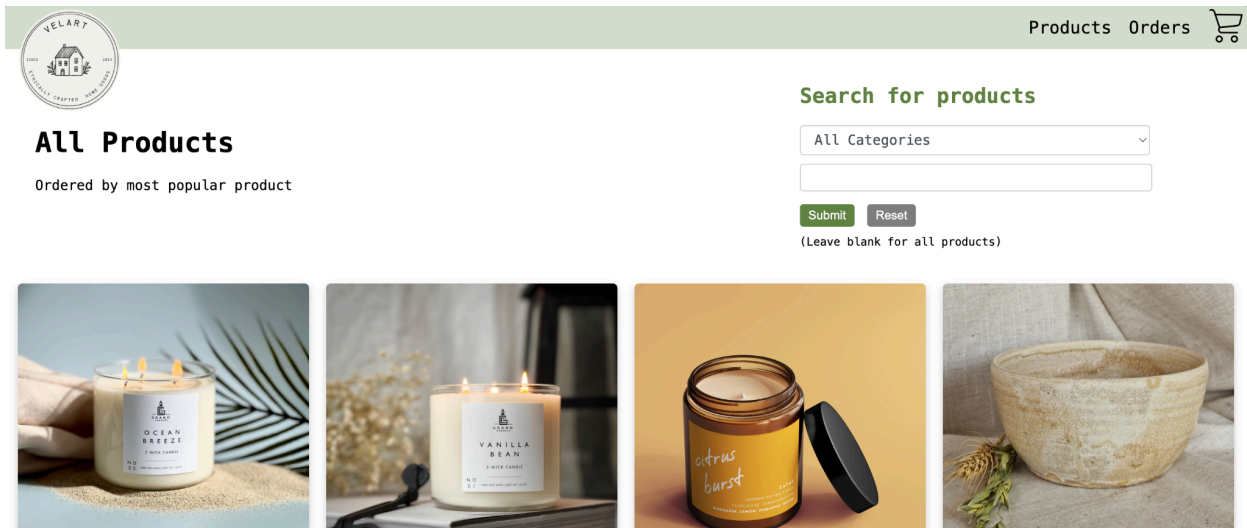
After the user has successfully logged in, a personalized message will appear on the landing page. When browsing into other pages, the name will be displayed in the top nav bar.

4. Begin shopping

Products Orders

All Products

Ordered by most popular product

Search for products

All Categories

Submit Reset

(Leave blank for all products)

Begin shopping is the main dashboard. All the products will be listed here ordered by popularity. Each product will have their name, price displayed as well as an add to cart button. When clicked in the name of the product, the user will be directed to a detailed page.

Search by category

Inside the main dashboard users are able to filter by category

Search product:

Users are able to search products by name on the product listing.

All Products

Ordered by most popular product

Ocean Breeze Candle

Price: $16.50

ADD TO CART

Vanilla Bean Candle

Price: $12.50

ADD TO CART

Citrus Burst Candle

Price: $14.75

ADD TO CART

Lavender Scented Candle

Price: $15.00

ADD TO CART

5. Product detail page

Products Orders 🛒

Ocean Breeze Candle

Fresh ocean breeze scent in a blue glass jar

Price: $16.50

ADD TO CART

CONTINUE SHOPPING

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Back to Top ↑
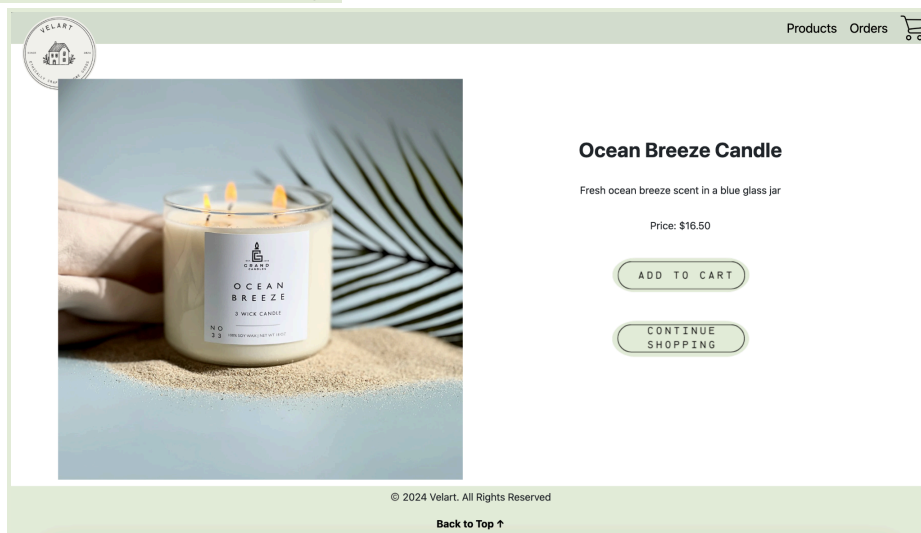
In the product detail page additional information for the product is displayed. The user can add products to their carts or continue shopping from this page as well.

6. Add to cart
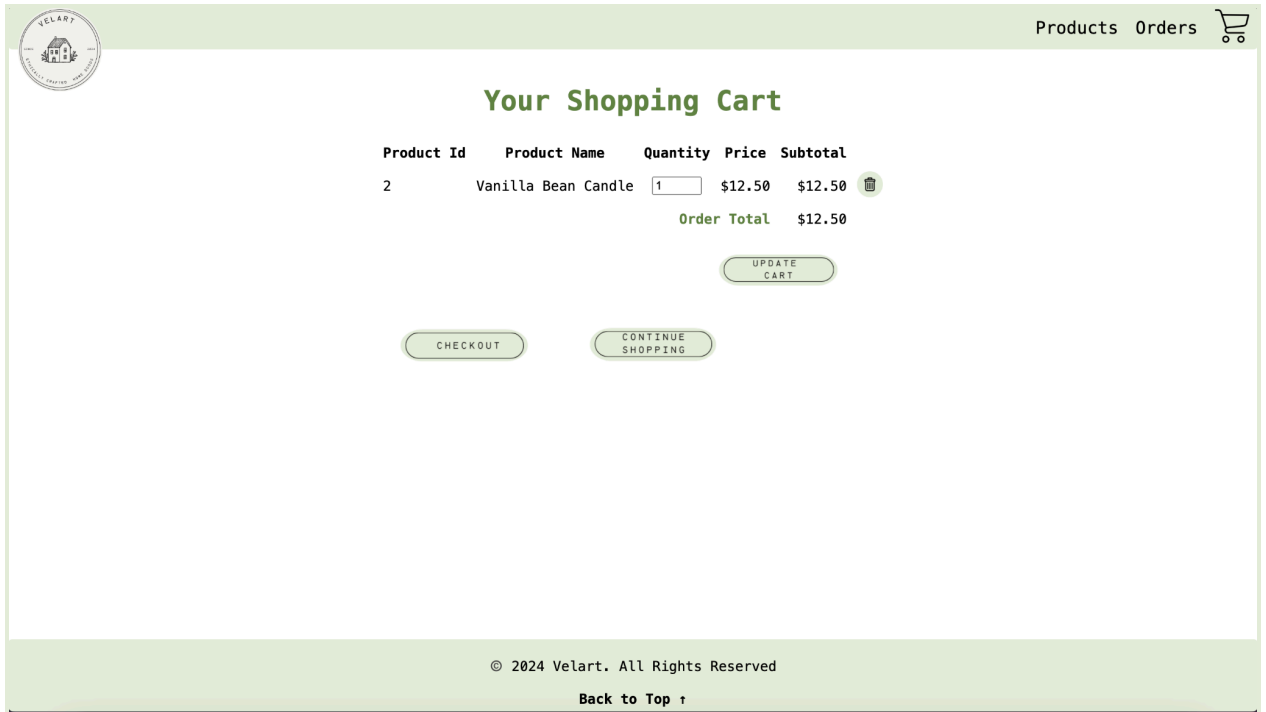
The add to cart button will redirect the user to their shipping cart. Here the user can see what items they have selected as well as modify the quantity or delete products.

The app does not allow the user to order more items than what is in storage. If the quantity asked by the user surpass the one in the warehouses, a warning will appear and the update to cart will not be allowed

Your Shopping Cart

Product Id	Product Name	Quantity	Price	Subtotal	
2	Vanilla Bean Candle	1	$12.50	$12.50	🗑
		Order Total		$12.50	

UPDATE CART

CHECKOUT   CONTINUE SHOPPING

Not enough stock for product ID: 2

7. Accessing user information

A user can see their information in the customer page.

Products Orders

Logged in user: jake

ID	9
User name	jake
Email	null
Password	123
First Name	123
Last Name	Dull
Phone	984930312
Address	Somewhere st
City	Kelowna
State	British Columbia
Postal Code	V1V 1V7
Country	Canada

Edit

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Back to Top â†'

8. Updating user information

The user can click on the edit button and change the values that they want, excluding id, username and email.

Logged in user: jake

ID	9
User name	jake
Email	null
Password	123
First Name	Jake
Last Name	Dull
Phone	984930312
Address	Somewhere st
City	Kelowna
State	British Columbia
Postal Code	V1V 1V7
Country	Canada

Save Changes

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Back to Top â†'

9. Seeing purchase history

The user can enter the list my orders page and they would see a list of their orders that includes the products in them.

Order List

Order ID	Order Date	Customer ID	Customer Name	Total Amount
27	2024-12-07 07:03:47.943	9	Jake Dull	$32.75

Product ID	Quantity	Price
3	1	$14.75
7	1	$18.00

As an admin

1. When an admin is logged in, the app shows the inventory and administrators options, which are not available to regular users, also the username is displayed along with a message.

Welcome to Velart

It's good to see you again, janed

Begin Shopping

List All Orders

Administrators

Inventory

VELART

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2. Administrator page

The administrator page shows the order totals by day

Products Orders

Order totals by day

Order Date	Total Order Amount
2024-10-17	$321.00
2024-10-16	$82.50
2024-10-15	$790.00
2024-12-7	$80.75
2024-12-6	$676.25

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Back to Top â†'

3. Warehouse page

In the inventory, the admin can see the inventory tables (one table for each warehouse) and can update the quantity and price of the product when clicking on the update product button.

Warehouses Inventory

Warehouse: Main warehouse (ID: 1)

Product ID	Warehouse ID	Product Name	Warehouse Name	Quantity	Price	
1	1	Lavender Scented Candle	Main warehouse	15	15.50	Update Product
2	1	Vanilla Bean Candle	Main warehouse	5	12.50	Update Product
3	1	Citrus Burst Candle	Main warehouse	8	14.75	Update Product
5	1	Ocean Breeze Candle	Main warehouse	7	16.50	Update Product
6	1	Handmade Ceramic Vase	Main warehouse	6	25.00	Update Product
8	1	Ceramic Planter	Main warehouse	15	10.00	Update Product
10	1	Ceramic Fruit Bowl	Main warehouse	8	20.00	Update Product
12	1	Floral Wall Print	Main warehouse	10	40.00	Update Product

Warehouses Inventory

Warehouse: Main warehouse (ID: 1)

Product ID	Warehouse ID	Product Name	Warehouse Name	Quantity	Price	
1	1	Lavender Scented Candle	Main warehouse	18	17.30	Update Product
2	1	Vanilla Bean Candle	Main warehouse	5	12.50	Update Product
3	1	Citrus Burst Candle	Main warehouse	8	14.75	Update Product
5	1	Ocean Breeze Candle	Main warehouse	7	16.50	Update Product
6	1	Handmade Ceramic Vase	Main warehouse	6	25.00	Update Product
8	1	Ceramic Planter	Main warehouse	15	10.00	Update Product
10	1	Ceramic Fruit Bowl	Main warehouse	8	20.00	Update Product
12	1	Floral Wall Print	Main warehouse	10	40.00	Update Product
14	1	Vintage Map Wall Art	Main warehouse	6	50.00	Update Product
16	1	Patchwork Quilt	Main warehouse	4	80.00	Update Product

Warehouse: Kelowna warehouse (ID: 2)

Product ID	Warehouse ID	Product Name	Warehouse Name	Quantity	Price	
28	2	Geometric Wall Mirror	Kelowna warehouse	4	55.00	Update Product
26	2	Full-Length Mirror	Kelowna warehouse	6	75.00	Update Product
23	2	Personalized Name Mug	Kelowna warehouse	8	12.00	Update Product
21	2	Ceramic Coffee Mug	Kelowna warehouse	20	8.00	Update Product
19	2	Heirloom Quilt	Kelowna warehouse	2	120.00	Update Product
17	2	Vintage Style Quilt	Kelowna warehouse	3	95.00	Update Product
15	2	Mountain Landscape Art	Kelowna warehouse	9	45.00	Update Product
13	2	Botanical Wall Print	Kelowna warehouse	7	38.00	Update Product
11	2	Abstract Wall Art	Kelowna warehouse	5	60.00	Update Product
9	2	Minimalist Ceramic Mug	Kelowna warehouse	20	9.00	Update Product
7	2	Rustic Ceramic Bowl	Kelowna warehouse	2	18.00	Update Product
4	2	Cinnamon Spice Candle	Kelowna warehouse	12	13.00	Update Product

4. List all orders

   In the list orders page, the admin can see all the orders in the database.

Order List

Order ID	Order Date	Customer ID	Customer Name	Total Amount
1	2024-10-15 08:12:55.0	1	Natalia Valles	$68.00

Product ID	Quantity	Price
1	1	$15.00
5	2	$16.50
10	1	$20.00

Order ID	Order Date	Customer ID	Customer Name	Total Amount
2	2024-10-16 18:00:00.0	2	Arantza Parra	$82.50

Product ID	Quantity	Price
5	5	$16.50

Order ID	Order Date	Customer ID	Customer Name	Total Amount
3	2024-10-15 03:30:22.0	3	John Doe	$122.00

Product ID	Quantity	Price
6	2	$25.00
7	4	$18.00

Order ID	Order Date	Customer ID	Customer Name	Total Amount
4	2024-10-17 05:45:11.0	2	Arantza Parra	$321.00

Product ID	Quantity	Price
3	4	$14.75

5. List products page

   In the List products page, the admin can add products by clicking on the edit button.

All Products

Ordered by most popular product

Edit

All Categories

Submit Reset
(Leave blank for all products)

Ocean Breeze Candle

Price: $16.50

ADD TO CART

Vanilla Bean Candle

Price: $12.50

ADD TO CART

Citrus Burst Candle

Price: $14.75

ADD TO CART

Rustic Ceramic Bowl

Price: $18.00

ADD TO CART

6. Add product
   When clicking on the edit button, a card will appear with a form, which will allow the admin to enter the details of the new product they want to add.The form validates that all data is in the form before sending the request.

Add New Product

Product Name:

Lemon candle

Price:

23.25

Product Description:

Category:

Candles

Product Image:

Choose File   No file chosen

Submit

Error submitting the form.

All Products

Ordered by most popular product

Cancel Edit

Add New Product

Product Name:

Lemon candle

Price:

23.25

Product Description:

Lemon scented candle

No file chosen

Category:

Candles

Product Image:

Choose File   Black and White Retro Pl... Circle Coffee Logo (2).png

Submit

Search for products

All Categories

Submit   Reset

(Leave blank for all products)

Development Project Features List

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (15 total points)				
Executive Summary (up to 1 page)	Core	2	2	
System Features (2 pages)	Core	2	2	
List of Web and AI sources used	Core	3	3	
Walkthrough with screenshots (up to 15 pages)	Core	8	8	
Hosting (10 total points)				
Running on cloud server	Advanced	10	10	
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	listprod.jsp
Browse products by category	Core	1	1	listprod.jsp
List products (by search/browse)	Core	1	1	listprod.jsp
List products with image	Core	1	1	listprod.jsp
Page header with menu	Basic	1	1	listprod.jsp

Page header shows current logged in user	Basic	1	1	listprod.jsp
Dynamic products on page based on sales	Basic	2	2	listprod.jsp
Improved UI (user-friendly, images, etc.)	Basic	2	2	listprod.jsp/ listprod.css
Product recommendation based on user	Advanced	4		
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1	1	Listprod.jsp prod.jsp
View shopping cart	Core	1	1	Showcart.jsp
Update quantity (with data validation)	Basic	1	1	Showcart.jsp updatecart.jsp
Remove item from shopping cart	Basic	1		
Improved formatting/UI (e.g. in header bar)	Basic	1	1	Addcart.jsp Addcart.css
Cart stored in database between sessions	Basic	3		
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	Checkout.jsp order.jsp
Checkout with payment/shipment info	Basic	2	2	checkout.jsp order.jsp
Checkout with data validation	Basic	2	2	order.jsp

Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
Product Detail Page (up to 2 total points)				
Product detail page and item description	Core	1	1	product.jsp
Product detail has an image from database	Core	1	1	product.jsp

User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2	2	CreateAccount.jsp
Create account with data validation	Basic	2	2	CreateAccount,jsp
Edit user account info (address, password)	Basic	2	2	updateCustomer.jsp
Login/logout	Core	1	1	validateLogin.jsp validateLogout.jsp
Register user/Forgot password email	Advanced	4		
Page listing all orders for user	Core	1	1	listMyorder.jsp
Product Reviews (up to 5 total points)				
Ability to enter a review on a product	Basic	2		
Display product review on product detail page	Basic	1		
Restrict to one review per user on item purchased	Advanced	2		
Warehouses/Inventory (up to 5 total points)				

Display item inventory by store/warehouse	Basic	2	2	warehouse.jsp
Edit item inventory by store/warehouse	Advanced	3	3	updateInventory.jsp
Administrator Portal (up to 19 total points)				
Secured by login	Core	1		admin.jsp
List all customers	Core	1		
List report showing total sales/orders	Core	1		listOrder.jsp
Report with a graph	Advanced	3		
Add new product	Basic	2	2	saveprod.jsp Listprod.jsp
Update/delete product	Basic	2		
Change order status/ship order	Basic	1		
Upload a photo to file system for product	Advanced	2		
OR: Upload a photo to database for product	Advanced	4	4	Listprod.jsp saveprod.jsp
Database restore with SQL script	Basic	2		
Add/update warehouse, customer	Basic	2		
Database System/General				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4	4	Used to save photo Saveprod.jsp Listprod.jsp

User interface and navigation/usability		Up to 5	5	
Others (your suggestions)		Up to 5		
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)	70			

Sources

OpenAI. (2024). Deploy JSP Docker EB . Retrieved December 6, 2024, from (removed)

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