

## **MoodiJawoodi Grocery Store**



### **Projection Documentation Document**

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**Mission Statement:**

"At MoodiJawoodi, our mission is to bring the authentic and enchanting flavors of Arabian cuisine to your kitchen, offering a diverse selection of high-quality products that celebrate the rich tapestry of Middle Eastern tradition. In the future, we aspire to be more than just a grocery store. We want to be the number one culinary staple that inspires and enhances your cooking experiences, making every meal a celebration of the vibrant spirit and heritage of Arabian culture.

**Executive Summary:**

Navigating the aisles of a grocery store can be a daunting task, with individuals often feeling overwhelmed by choices and the need to find products that align with their tastes and styles. Sometimes, those tastes and styles can pertain to certain foods from a certain culture or place. At MoodiJawoodi, it's Arabian cuisine. Our love for our Arabian foods has motivated us to create MoodiJawoodi. We created our grocery store where people and communities can come to a single place to buy the needed products and ingredients to share Arabian cuisine amongst themselves and to other communities.

Since many grocery stores might not have many products from the Arabian region, we recognize that for some shoppers to have a tailored and pleasant experience, customers should be able to purchase products from this region with ease. Inspired by Arabian culture, MoodiJawoodi is more than a grocery store, it is a destination where customers can interact, find joy, and be satisfied as they go through the products our store has. Our platform allows users to log in, explore a wide variety of categories that relate to Arabian cuisine, select items that suit their culinary preferences and household needs, and place an order to have a product delivered to them. With many user-friendly features, product details, and the listing of top products bought by other customers, finding the perfect Arabian product for a persons' needs is a simple and enjoyable process.

MoodiJawoodi goes beyond by being transparent and fostering a sense of community. Customers in MoodiJawoodi are able to share their shopping through reviews; this creates a space where shoppers can let each other know the recommended products that taste great. This allows our customers to support each other and inspire them in cooking and eating delicious Arabian cuisine. Admins for MoodiJawoodi, on the other hand, have access to many tools that can aid with sales, inventory, customer feedback, and overall ensuring that the entire operation of MoodiJawoodi is going smoothly.

Outside of the grocery store world and MoodiJawoodi, the message our store conveys is that the people that are close to you are most important. In Arabian culture, we don't eat food in a hurry or alone. It's extremely important that families eat together. Sometimes, even friends are invited to eat. Eating food is seen as a celebration where everyone relaxes and shares stories after a long day. Furthermore, Arabs show their generosity and hospitality by sharing food. This is what we do at MoodiJawoodi. We make Arabian products easily accessible so that people who enjoy Arabian cuisine are able to share food with their friends, families and communities. Our store is an essential tool for creating favorite recipes, navigating for products, and giving the most perfect shopping experience that caters to your exact needs.

No longer will grocery shopping for Arabian products be a hassle. MoodiJawoodi is here to provide you with the ideal mechanism for your shopping journey. Join us on an adventure to one day become the number one culinary staple for Arabian products where every product is thoughtfully chosen and curated to your tastes, kitchen, and household.

## Development Project Features List Template

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
<b>Documentation (15 total points)</b>				
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	
<b>Hosting (10 total points)</b>				
Running on cloud server	Advanced	10		
<b>Main/Home Page (up to 14 total points)</b>				
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	product.jsp
Page header with menu	Basic	1	1	any .jsp
Page header shows current logged in user	Basic	1	1	login.jsp
Dynamic products on page based on sales	Basic	2	2	list.prod.jsp
Improved UI (user-friendly, images, etc.)	Basic	2	2	any .jsp
Product recommendation based on user	Advanced	4		
<b>Shopping Cart (up to 8 total points)</b>				
Add to shopping cart	Core	1	1	addcart.jsp
View shopping cart	Core	1	1	Showcart.jsp
Update quantity (with data validation)	Basic	1		
Remove item from shopping cart	Basic	1	1	gfdg
Improved formatting/UI (e.g. in header bar)	Basic	1	1	done
Cart stored in database between sessions	Basic	3	3	order.jsp, addcart.jsp, showcart.jsp
<b>Checkout (up to 9 total points)</b>				
Checkout with customer id	Core	1	1	checkout.jsp
Checkout with payment/shipment info	Basic	2	2	order.jsp
Checkout with data validation	Basic	2	2	checkout.jsp
Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
<b>Product Detail Page (up to 2 total points)</b>				
Product detail page and item description	Core	1	1	product.jsp
Product detail has an image from database	Core	1	1	product.jsp

<b>User Accounts/Login (up to 12 total points)</b>				
Create user account page	Basic	2	2	myaccount.jsp
Create account with data validation	Basic	2	2	createaccount.jsp
Edit user account info (address, password)	Basic	2	2	editaccount.jsp
Login/logout	Core	1	1	login.jsp
Register user/Forgot password email	Advanced	4		
Page listing all orders for user	Core	1	1	viewyourorders.jsp
<b>Product Reviews (up to 5 total points)</b>				
Ability to enter a review on a product	Basic	2	2	product.jsp
Display product review on product detail page	Basic	1	1	product.jsp
Restrict to one review per user on item purchased	Advanced	2		
<b>Warehouses/Inventory (up to 5 total points)</b>				
Display item inventory by store/warehouse	Basic	2	2	warehouseInventoryInformation.jsp
Edit item inventory by store/warehouse	Advanced	3		
<b>Administrator Portal (up to 19 total points)</b>				
Secured by login	Core	1	1	login.jsp
List all customers	Core	1	1	admin.jsp
List report showing total sales/orders	Core	1	1	admin.jsp
Report with a graph	Advanced	3		
Add new product	Basic	2	2	addproduct.jsp
Update/delete product	Basic	2	2	updateproduct.jsp
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		
Database restore with SQL script	Basic	2		
Add/update warehouse, customer	Basic	2	2	updateWarehouse.jsp, addToWarehouse.jsp
<b>Database System/General</b>				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4		
User interface and navigation/usability		Up to 5		
<i>Others (your suggestions)</i>		Up to 5		
<b>Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)</b>			61	

## List Of Web and AI Sources Used

### 1. Stack Overflow

- Used for debugging, code segments, and helped explained cause of various error messages



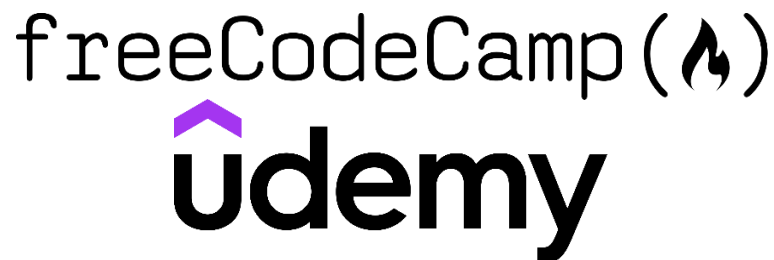
### 2. ChatGPT

- Used for explaining concepts, analyzing code, and debugging



### 3. freeCodeCamp, Udemy

- Existing knowledge about HTML, CSS and Web Development obtained from courses in freeCodeCamp and Udemy



### 4. The almighty Dr. Ramon Lawrence and his lecture slides

- Used lecture slides and starter code to understand all the concepts used in creating the project



## Walkthrough

- 1) Welcome to MoodiJawoodi. MoodiJawoodi is an ecommerce grocery store where one can purchase high-quality Arabian products/goods for one's daily use. This website was built using Java, SQL, HTML, CSS. In this website, you can begin shopping and also search for many products. Users can use this website logged in and logged out and can place orders anytime.

### Welcome To MoodiJawoodi Grocery



[Login](#)

[Begin Shopping](#)

[Log out](#)

[My Account](#)

[List All Orders](#)

[Customer Info](#)

[Administrators](#)

Signed in as: arnold

- 2) This is the login page. Users can log in here to access many other functionalities in the website (e.g viewing all their orders). If one does not have an account, you can create one by going to the main page in MoodiJawoodi. In the next screenshots, we will login as admin so we can show you the admin functionalities

### Please Login to System

Username:

Password:

- 3) This is the admin page. The admin page consists of administrator sales reports by day, a list of all the customers, and other functionalities relating to adding, updating, or deleting products and warehouses.

## MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

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**Administrator Sales Report by Day**

Order Date	Total Order Amount
2019-10-15	\$509.10
2019-10-16	\$106.75
2019-10-17	\$327.85

**All Customers**

ID	First Name	Last Name	Email	Phone	Address	City	State	Zip
1	Arnold	Anderson	a.anderson@gmail.com	204-111-2222	103 AnyWhere Street	Winnipeg	MB	R3X 4S7
2	Bobby	Brown	bobby.brown@hotmail.ca	572-342-8911	222 Bush Avenue	Boston	MA	22222
3	Candace	Cole	cole@charity.org	333-444-5555	333 Central Crescent	Chicago	IL	33333
4	Darren	Doe	oe@doe.com	250-807-2222	444 Dover Lane	Kelowna	BC	V1V 2X9
5	Elizabeth	Elliott	engel@uiowa.edu	555-666-7777	555 Everwood Street	Iowa City	IA	52241

**Add New Product**

**Update/Delete New Product**

**Warehouse/Inventory Information**

**Add to Warehouse**

**Update Warehouse**

- 4) This panels shows us all the warehouses available from MoodiJawoodi. As mentioned before, we can add, update, or delete these warehouses whenever by simply going back to the main admin page.

## MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

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### Main warehouse

Product Id	Product Name	Quantity
1	Chai	5
2	Coriander	10
3	Basmati Rice	3
4	Lentils	2
5	Barley	6
6	Chickpeas	3
7	Dates	1
8	Couscous	0
9	Baklava	2

5) This panel shows us one of the functionalities of the admin website. More specifically, it is the update product functionality. The add product functionality is back at the main admin page.

## MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

Update Product

Product Id:

Product Name:

Product Price:

Product Description:

Category Id:

Submit

6) This is the menu of products in MoodiJawoodi where the user can browse through our wide variety of products. There are tons of functionality to make browsing our website swift and simple. On the top left, we can sort by category while also being able to search up a specific product by name. We also display our top selling products by quantity to let our customers know about the trendy items.

MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

Search for the products you want to buy:

All

SubmitReset

(Leave blank for all products)

Top Products Sold!

Barley

Basmati Rice

Sumac

\$21.35

\$10.00

\$14.00

All Products

	Product Name	Price
Add to Cart	Chai	\$2.00
Add to Cart	Coriander	\$19.00
Add to Cart	Basmati Rice	\$10.00
Add to Cart	Lentils	\$22.00
Add to Cart	Barley	\$21.35



7) This is an example of sorting by category (e.g sweets and desserts)

MoodiJawoodi Grocery

Product Page

List Order

Shopping Cart

User: arnold

Search for the products you want to buy:

All

Submit

Reset

(Leave blank for all products)

Top Products Sold!

Barley

\$21.35

Basmati Rice

\$10.00

Sumac

\$14.00

Sweets and Desserts

	Product Name	Price
<a href="#">Add to Cart</a>	Baklava	\$97.00
<a href="#">Add to Cart</a>	Maamoul Cookies	\$39.00

8) This is the shopping cart page where the user can see the items they have added to cart with options to checkout, remove items, (in progress) update the quantity, or continue shopping more products.

MoodiJawoodi Grocery

Product Page

List Order

Shopping Cart

User: arnold

Your Shopping Cart

Product Id	Product Name	Quantity	Price	Subtotal		
13	Pistachios	<input type="text" value="1"/>	\$23.25	\$23.25	<a href="#">Remove Item From Cart</a>	<a href="#">Update Quantity</a>
14	Kidney Beans	<input type="text" value="1"/>	\$15.50	\$15.50	<a href="#">Remove Item From Cart</a>	<a href="#">Update Quantity</a>
4	Lentils	<input type="text" value="1"/>	\$22.00	\$22.00	<a href="#">Remove Item From Cart</a>	<a href="#">Update Quantity</a>
Order Total				\$60.75		

Check Out

Continue Shopping

- 9) When you press checkout, you are prompted to this page. This page tells you to input your customer Id, password, payment type, payment number, and payment expiry date for you to place an order to MoodiJawoodi and have your Arabian products delivered to your door step. When entering you information, all fields must be filled in or else the website will not allow you to submit the information when placing the order.

## Enter your customer id and password to complete the transaction:

Customer ID:	<input type="text"/>
Password:	<input type="password"/>
Payment Type:	<input type="text"/>
Payment Number:	<input type="text"/>
Payment Expiry Date (yyyy-MM-dd):	<input type="text"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

- 10) After you successfully have filled in your information, you will get your order summary. It will give you a table that shows your product Id, product name, quantity, price, subtotal, and order total. It will show you the payment method used when placing the order. You will also have an order reference number and a confirmation that you are shipping to you by stating your customer Id and name. It also allows you to track your shipment details.

## MoodiJawoodi Grocery

[Product Page](#)

[List Order](#)

[Shopping Cart](#)

User: **arnold**

### Your Order Summary

Product Id	Product Name	Quantity	Price	Subtotal
1	Chai	2	\$2.00	\$4.00
13	Pistachios	1	\$23.25	\$23.25
14	Kidney Beans	1	\$15.50	\$15.50
4	Lentils	1	\$22.00	\$22.00
Order Total				\$64.75

**Order completed. Will be shipped soon...**

**Ordered using payment type: Debit, payment number: 67\*\*\*, payment expiry date: 2004**

### Shipment Details

**Your order reference number is: 6**

**Shipping to customer: 1 Name: Arnold Anderson**

11) In the shipment page, the user can see the status of their order's shipment. This will provide details on whether MoodiJawoodi has enough inventory at the current time or if a product is currently out of stock.

## MoodiJawoodi Grocery

Product Page

List Order

Shopping Cart

User: arnold

Ordered Product: 1 Qty: 2 Previous Inventory: 5 New Inventory: 3

Ordered Product: 4 Qty: 1 Previous Inventory: 2 New Inventory: 1

[Back to Main Page](#)

12) Back to the main page. The List All Orders link takes the user to a protected page that has a condensed information about all order details from MoodiJawoodi.

## Order List

Order Id	Order Date	Customer Id	Customer Name	Total Amount
1	2019-10-15 10:25:55.0	1	Arnold Anderson	\$91.70
		Product Id	Quantity	Price
		1	1	\$18.00
		5	2	\$21.35
		10	1	\$31.00
2	2019-10-16 18:00:00.0	2	Bobby Brown	\$106.75
		Product Id	Quantity	Price
		5	5	\$21.35
3	2019-10-15 03:30:22.0	3	Candace Cole	\$140.00
		Product Id	Quantity	Price
		6	2	\$25.00
		7	3	\$30.00
4	2019-10-17 05:45:11.0	2	Bobby Brown	\$327.85
		Product Id	Quantity	Price
		3	4	\$10.00
		8	3	\$40.00
		13	3	\$23.25
		28	2	\$21.05
		29	4	\$14.00
5	2019-10-15 10:25:55.0	5	Elizabeth Elliott	\$277.40
		Product Id	Quantity	Price
		5	4	\$21.35
		19	2	\$81.00
		20	3	\$10.00
6	2023-12-09 01:41:55.0	1	Arnold Anderson	\$64.75
		Product Id	Quantity	Price
		1	2	\$2.00
		4	1	\$22.00
		13	1	\$23.25
		14	1	\$15.50

13) A customer can also access the “Customer Info” page where they can see their details stored in our system.

### Customer Profile

<b>Id</b>	1
<b>First Name</b>	Arnold
<b>Last Name</b>	Anderson
<b>Email</b>	a.anderson@gmail.com
<b>Phone</b>	204-111-2222
<b>Address</b>	103 AnyWhere Street
<b>City</b>	Winnipeg
<b>State</b>	MB
<b>Postal Code</b>	R3X 45T
<b>Country</b>	Canada

14) If any of the information seems incorrect, the user can access the My Account section of our website. From this page, any new users can create a new account and existing users are able to edit their information or access their past orders.

[Create An Account](#)

[Edit Account](#)

[View All Your Orders](#)

15) This is an example of what our signup page looks like. It ensures users fill out all necessary fields to continue making their account.

### MoodiJawoodi Grocery

Product Page

List Order

Shopping Cart

User: arnold

#### Signup

First Name:

Last Name:

Email Address: 

Please fill out this field.

Phone Number:

Address:

City:

State:

Postal Code:

Country:

User Id:

Password:

16) Here is how the orders page looks. Here we can see the order time and address of all orders made by the customer. In this case, Arnold has made 2 orders with MoodiJawoodi! The joint most of any MoodiJawoodi customer.

MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

All Your Orders


1	2019-10-15 10:25:55.0	91.70	null	null	null	null	null
6	2023-12-09 01:41:55.0	64.75	103 AnyWhere Street	Winnipeg	MB	R3X 4S7	Canada

17) Each product of ours comes with their own product page, where users can see what our products look like before buying them. Any customer can also leave a review to rate their experience with our product. Arnold expresses his love for our chai in the reviews!

MoodiJawoodi Grocery

Product PageList OrderShopping CartUser: arnold

Chai



Id 1

Price \$2.00

Review Rating (0 to 5)

Review Comment

Submit

Add to Cart

Reviews From Customers

Review Rating	Review Date	Review Comment
5	2023-12-09 01:59:10.0	Wow I love chai!

Continue Shopping