

# CMPS 350 Web Development

Project Phase1- Get Glammed e-commerce platform.

<https://github.com/lama-la2103717/WebProject>

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## **Entities:**

The main objects in our application ,we have two main entities:Product and User

### Product Entity:

- id: String
- title: String
- image: String
- price: String
- rating: String
- description: String
- brand: String
- stock: Number

### User Entity:

- username: String
- password: String
- type: String (customer or seller)

#### Customer :

- surname: String
- shipping\_address: String
- balance: Number

#### Seller:

- bank\_account :String
- company\_name :String

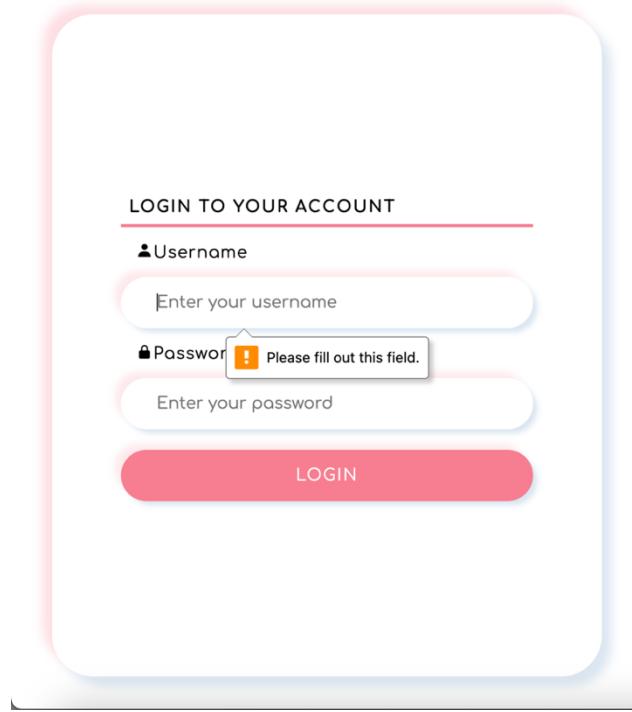
## **Repositories:**

In our case we are using JSON and local storage so we do not have separate repository layer, instead we are interacting directly with the JSON data sources using JavaScript to fetch the data to local storage then all these use cases and interactions are handled directly within JavaScript code without the need for a web API.

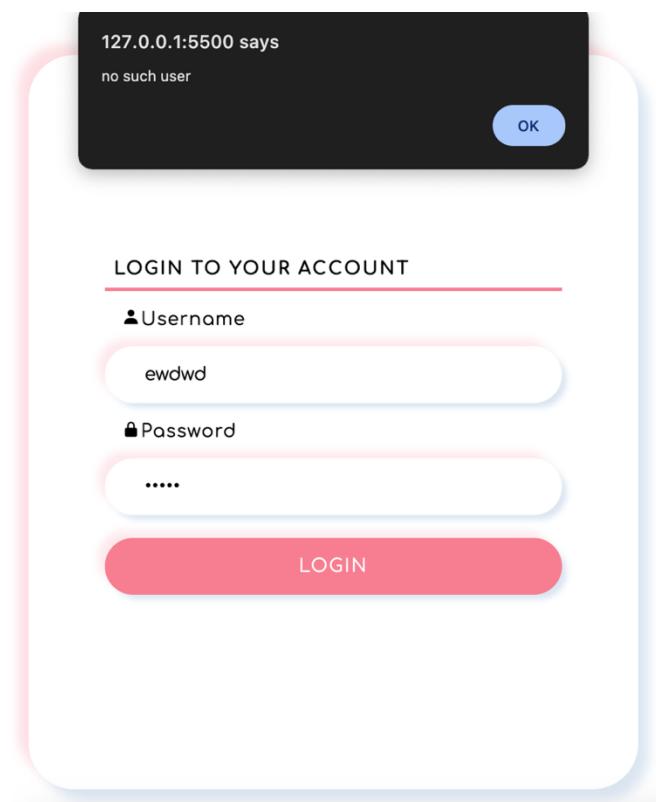
## Testing use cases:

### 1. Use Case: Login.

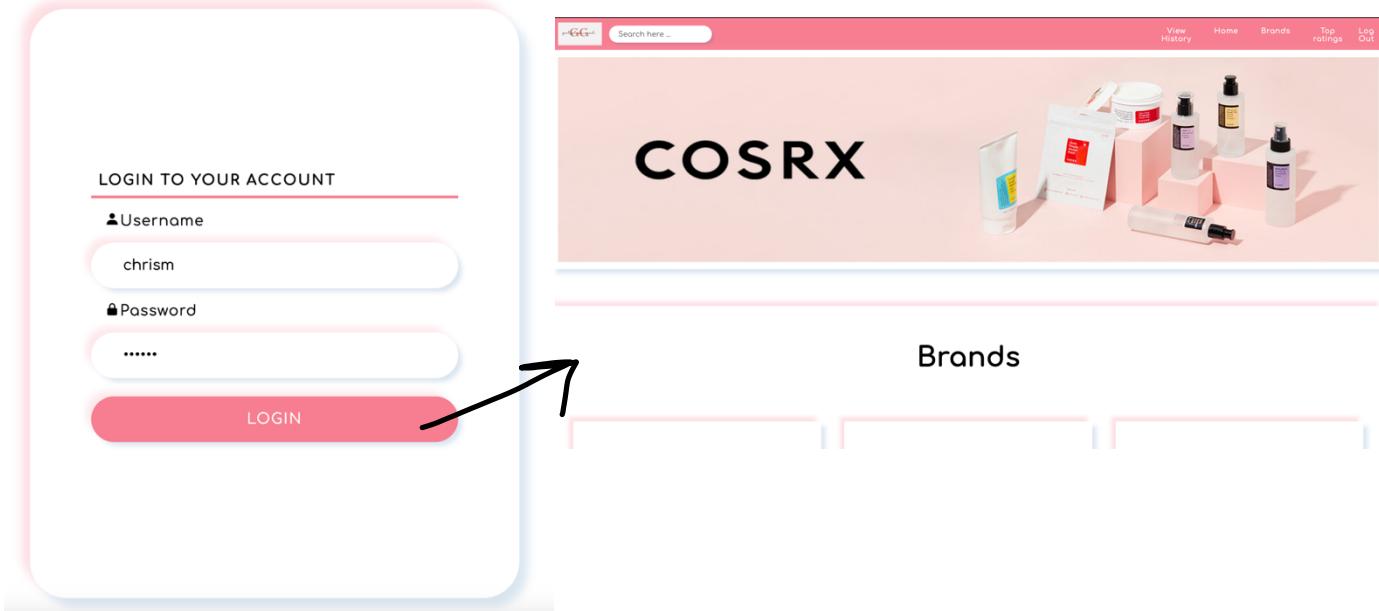
- If the user did not enter values:



- If the user enter a username or password that is not in users.json , the user will get an alert:



- If the user is registered as a customer in the users.json , the customer will be directed to the main page.

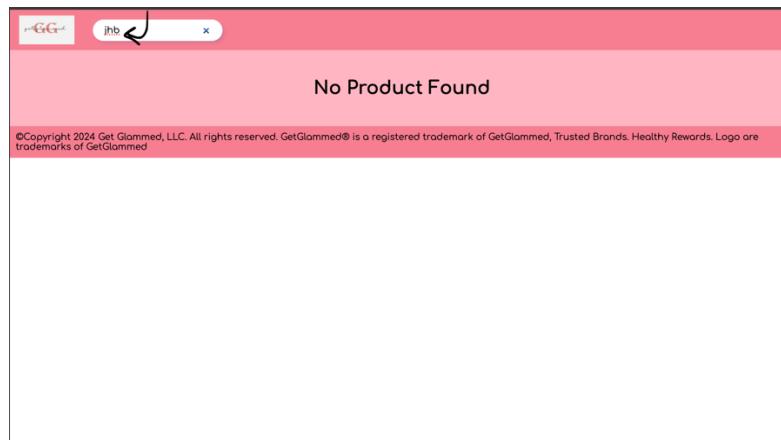


- If the user is registered as a seller in the users.json , the customer will be directed to the main page.

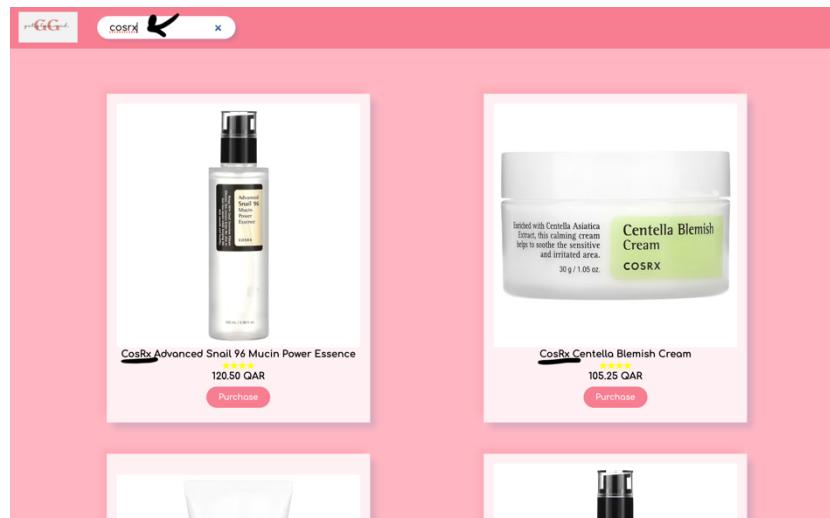


## 2. Use Case: Search available items.

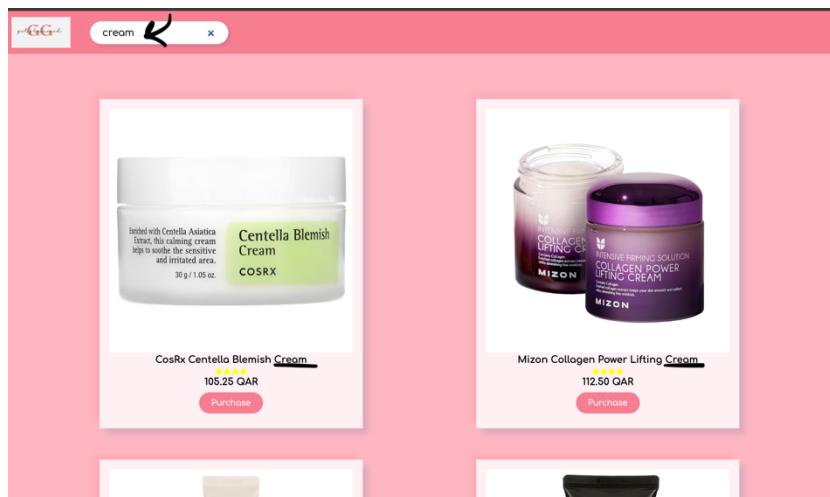
- If the user search for an item that is not available



- If the user search for an item, it will display the item that include title the user inputs.  
For example: If the user inputs cosrx



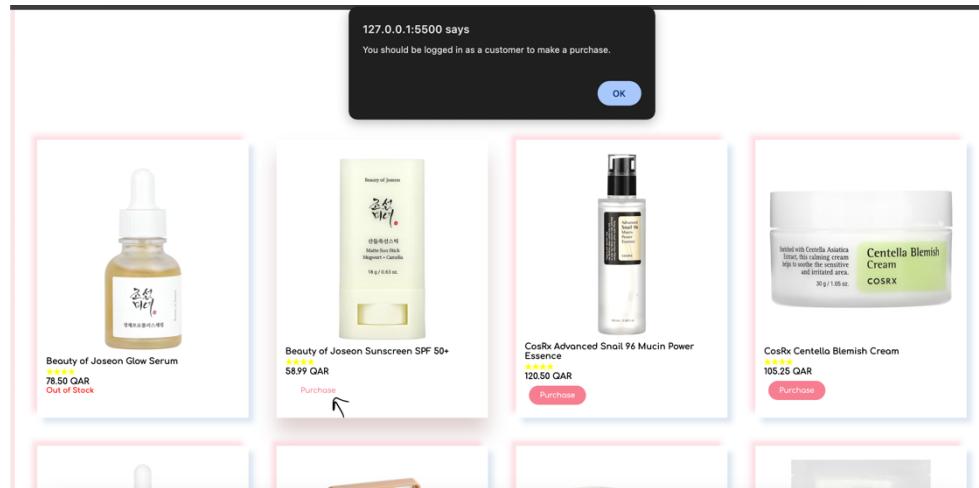
Another example where the user enters cream.



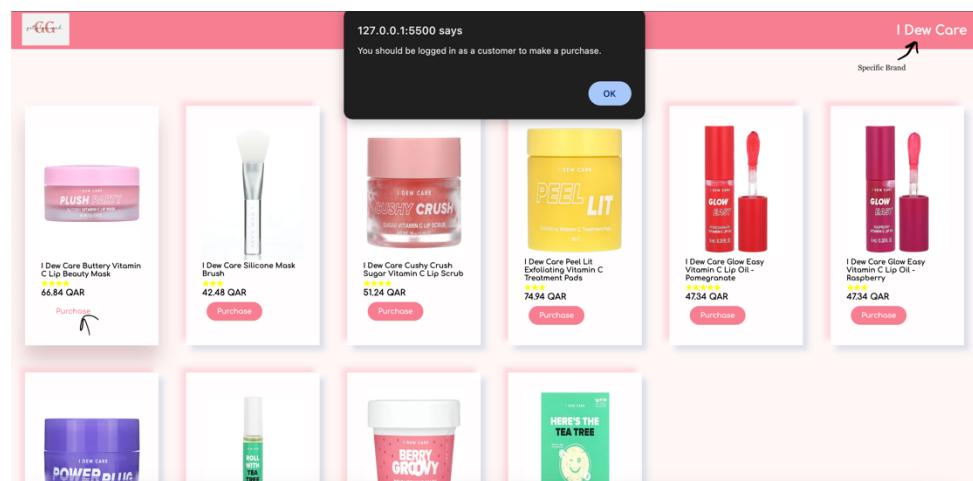
### 3. Use Case: Purchase an item.

- if the user did not login and click on purchase in the main page from the Top rating section or the purchase inside a specific brand, the user cannot purchase an item and an alert will appear.

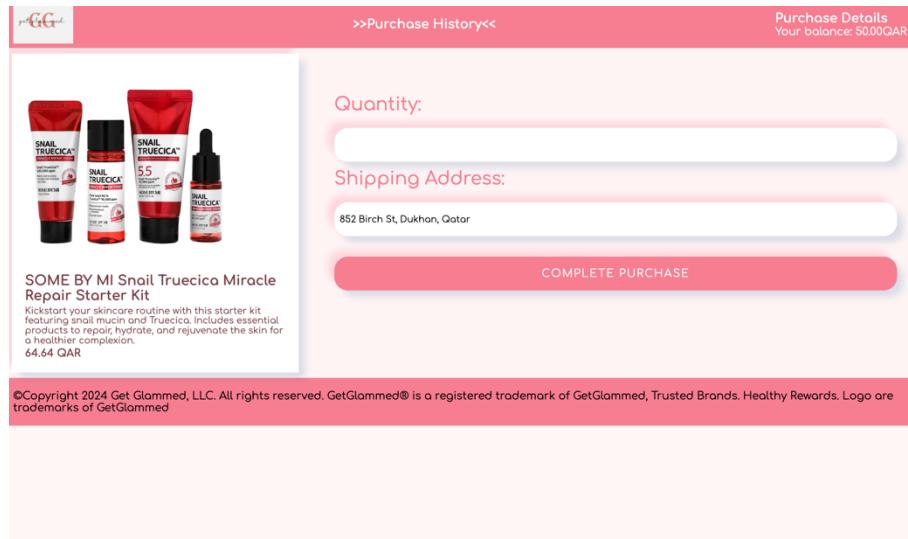
Purchasing from top ratings section:



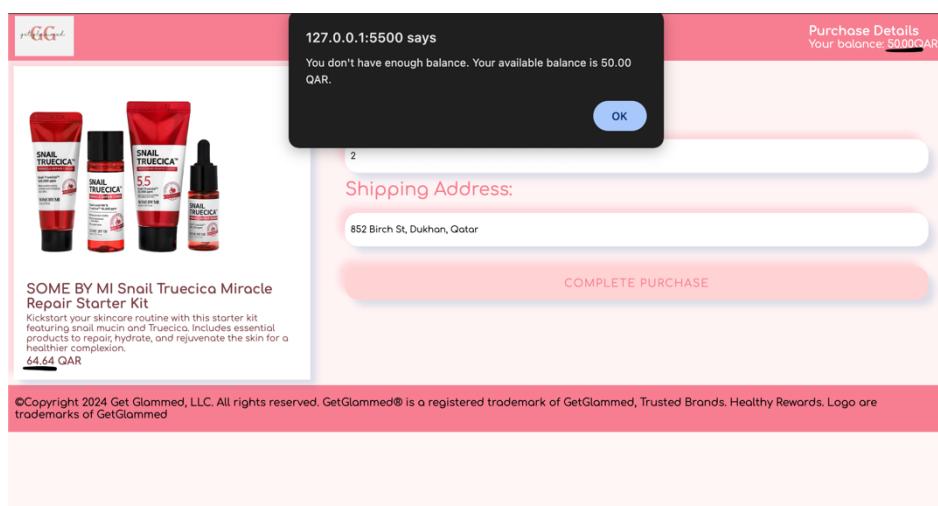
Purchasing from a specific brand



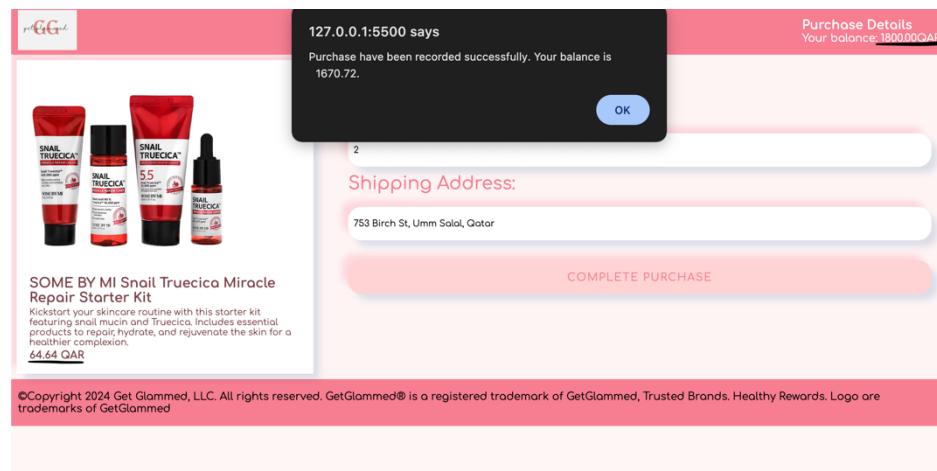
- If the customer login successfully, the customer can purchase an item
- If the customer clicks on purchase, the customer will be to a new page to enter details about the purchase



- if the customer purchases an expensive product that is more than the balance, the customer cannot complete purchase and an alert will appear.



- If the customer has enough balance, the customer can purchase a product and the balance will increase.



#### 4. Use Case: View the purchase history.

- In the navigation of the main page the customer can view history, upon clicking view history the customer will be directed to page that shows history.

Product: SOME BY MI Snail Truecica Miracle Repair Starter Kit

Quantity: 2

Shipping Address: 75 Birch St, Umm Salal, Qatar

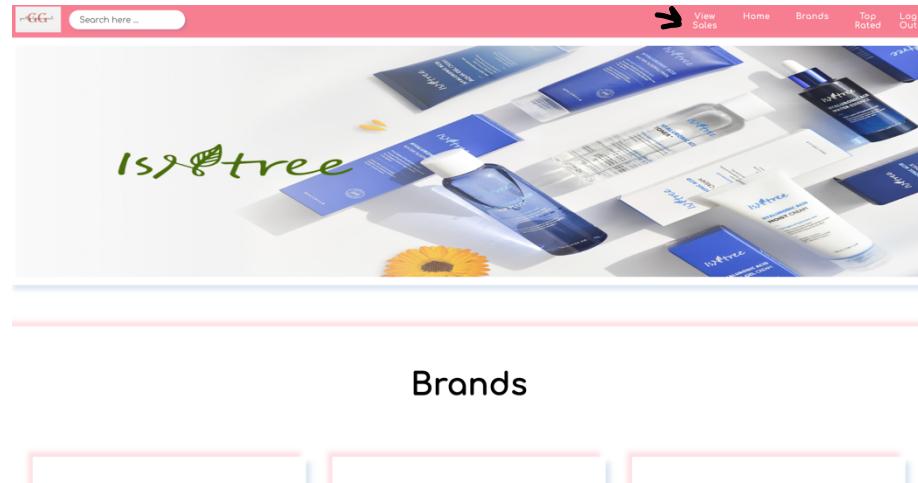
Total Cost: 129.28QAR

Purchase Date/Time: 3/30/2024, 2:40:28 PM

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## 5. Use Case: View the purchase history.

- If a seller login successfully, In the navigation of the main page the seller can view sales, upon clicking view sales the seller will be directed to page that shows sales.



### Brands

This screenshot shows the 'Products' section of the application. At the top right, it says 'I Dew Care'. Below that is a button labeled 'ADD NEW PRODUCT' and a search bar with the placeholder 'Search By Product Name'. The main area is titled 'Products' and displays four items from the 'I Dew Care' brand:

- PLUSH PARTY BUTTERY VITAMIN C LIP MASK**
- I Dew Care Silicone Mask Brush**
- CUSHY CRUSH SUGAR VITAMIN C LIP SCRUB**
- PEEL LIT EXFOLIATING VITAMIN C TREATMENT PADS**

Each item has a small image, a product name, its price (e.g., 66.84 QAR), stock level (e.g., Stock: 72), and sold status (e.g., Sold: None). Below each image is a red 'SHOW DETAILS' button. A black arrow points from the text below to the first 'SHOW DETAILS' button.

-The seller can view details for a product upon clicking show details

This screenshot shows a 'Product Details' modal window. At the top right, it says 'I Dew Care'. The modal contains the following information for the 'I Dew Care Buttery Vitamin C Lip Beauty Mask':

- Selling Price: 66.84 QAR QAR
- Total Amount Available: 69
- Total Amount Sold: 3
- Total Revenue: 198 QAR
- Buyers: danh - jessiel

At the bottom of the modal is a red 'CLOSE' button. The background of the main content area is visible at the bottom, showing the 'Products' section.

- Scrolling down the page, the seller can view sales summary and sales history.

Sale's Summary	
Total Items Sold	3
Total Revenue	198 QAR
Most Sold Product	I Dew Care Buttery Vitamin C Lip Beauty Mask
Product with Most Revenue	I Dew Care Buttery Vitamin C Lip Beauty Mask
Buyers Usernames	danh - jessiel

Sale's History	
	Date: 3/30/2024, 3:10:52 PM
	Customer: danh
	Product Title: I Dew Care Buttery Vitamin C Lip Beauty Mask
	Price: 66.84 QAR
	Quantity: 3
	Cost: 66.84 QAR
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- When the product is sold the stock will decrease, and the sold will increase.

Before no one buys it



I Dew Care Buttery Vitamin C Lip  
Beauty Mask  
Price: 66.84 QAR  
Stock: 72  
Sold: None

SHOW DETAILS

After someone bought it



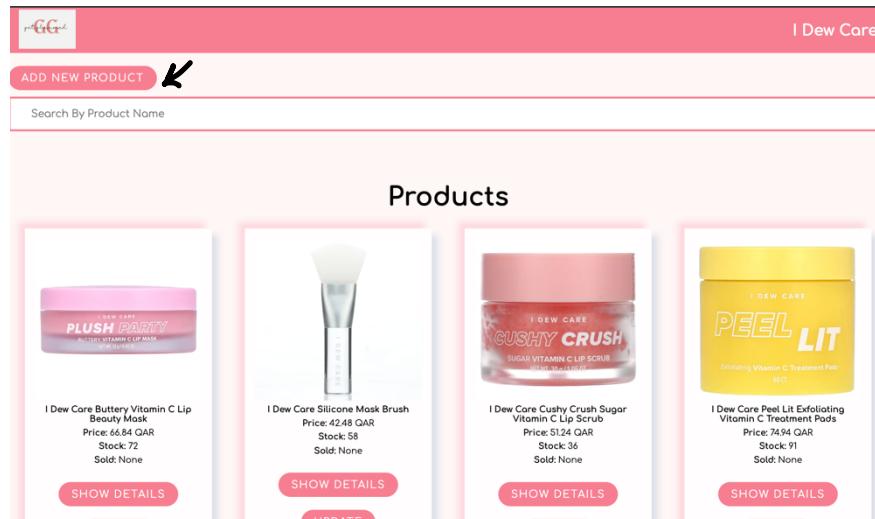
I Dew Care Buttery Vitamin C Lip  
Beauty Mask  
Price: 66.84 QAR  
Stock: 69  
Sold: 3

SHOW DETAILS

UPDATE

## 6. Use Case Upload an item to be sold.

-In view sales page the seller can upload a product via clicking add new product



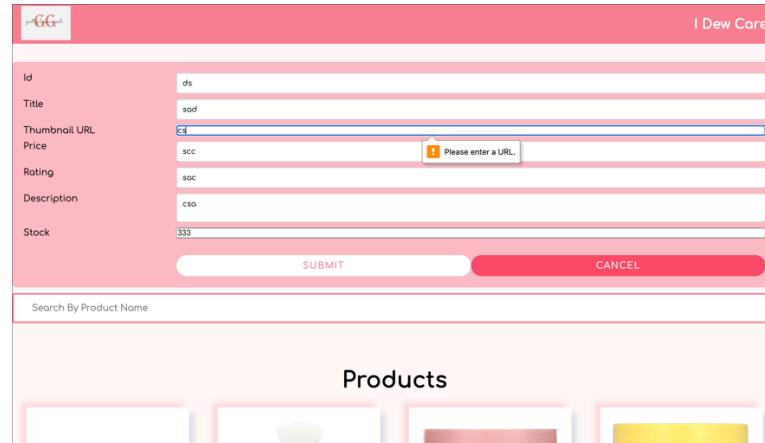
-Upon clicking add new product a form will appear

The screenshot shows an 'Add New Product' form. The fields are: Id, Title (empty), Thumbnail URL, Price (empty), Rating, Description, and Stock. At the bottom are 'SUBMIT' and 'CANCEL' buttons. Below the form is a search bar and a 'Products' section preview.

-If the seller clicks on submit without filling the fields, the product will not be added

The screenshot shows the same 'Add New Product' form as before, but now with validation errors. The 'Title' field is empty and highlighted in red. The 'Price' field also has a red error message: 'Please fill out this field.' The other fields (Thumbnail URL, Rating, Description, Stock) are empty. The 'SUBMIT' button is disabled.

- If the seller entered invalid values, the product will not be added  
 (All fields have a specific pattern and if the seller enters any invalid value, the seller will get a message)
- Image must be a url:



The screenshot shows a product creation form with the following data:

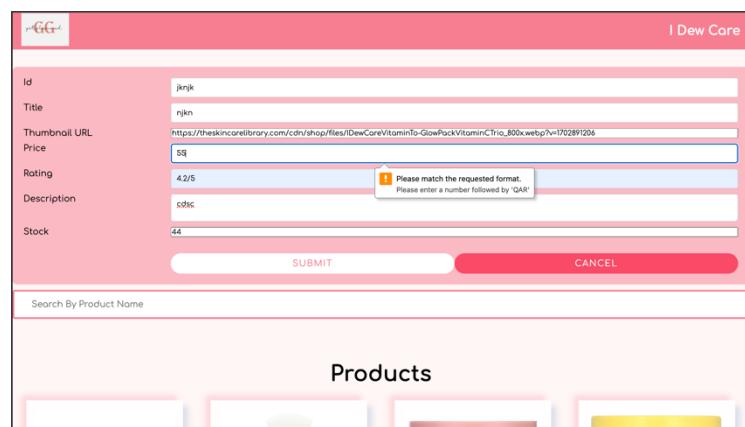
Id	ds
Title	sod
Thumbnail URL	<a href="#">https://theskincorelibrary.com/cdn/shop/files/DewCoreVitaminTo-GlowPackVitaminC Trio_800x.webp?v=1702891206</a>
Price	scs
Rating	sac
Description	cso
Stock	333

Validation errors are displayed in the Price and Rating fields:

- Price field: "Please enter a URL."
- Rating field: "Please match the requested format.  
Please enter a number followed by 'QAR'."

Buttons at the bottom: SUBMIT (disabled), CANCEL.

- Price and Rating have a specific pattern:



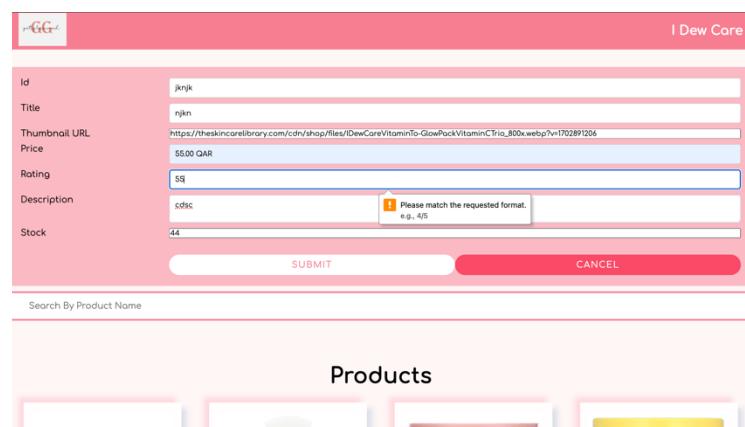
The screenshot shows a product creation form with the following data:

Id	jknjk
Title	njkn
Thumbnail URL	<a href="#">https://theskincorelibrary.com/cdn/shop/files/DewCoreVitaminTo-GlowPackVitaminC Trio_800x.webp?v=1702891206</a>
Price	58
Rating	42/5
Description	cdsc
Stock	44

Validation errors are displayed in the Rating and Price fields:

- Rating field: "Please match the requested format.  
Please enter a number followed by 'QAR'."
- Price field: "Please enter a URL."

Buttons at the bottom: SUBMIT (disabled), CANCEL.



The screenshot shows a product creation form with the following data:

Id	jknjk
Title	njkn
Thumbnail URL	<a href="#">https://theskincorelibrary.com/cdn/shop/files/DewCoreVitaminTo-GlowPackVitaminC Trio_800x.webp?v=1702891206</a>
Price	55.00 QAR
Rating	58
Description	cdsc
Stock	44

Validation errors are displayed in the Rating and Price fields:

- Rating field: "Please match the requested format.  
e.g., 4/5"
- Price field: "Please enter a URL."

Buttons at the bottom: SUBMIT (disabled), CANCEL.

- If the seller enters valid values, the product will be added successfully

The screenshot shows a product creation form for 'I Dew Care'. The fields filled are:

- Id:** 44
- Title:** I Dew Care Glow set
- Thumbnail URL:** [https://theskincarelibrary.com/cdn/shop/files/I Dew Care Vitamin To Glow Pack Vitamin C Trio\\_800x.webp?v=1702891206](https://theskincarelibrary.com/cdn/shop/files/I Dew Care Vitamin To Glow Pack Vitamin C Trio_800x.webp?v=1702891206)
- Price:** 55.00 QAR
- Rating:** 4/5
- Description:** glow set
- Stock:** 44

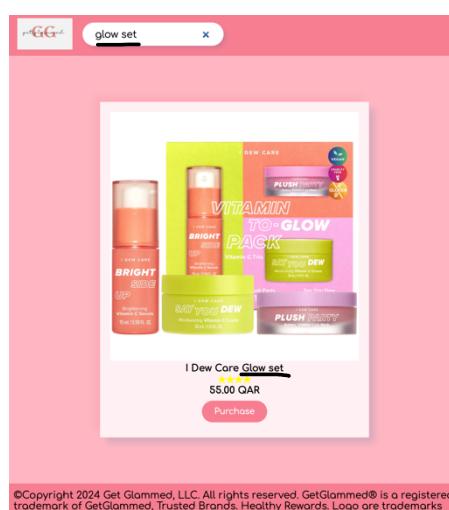
At the bottom, there is a 'SUBMIT' button with a red arrow pointing to it, and a 'CANCEL' button.

The screenshot shows a product listing page for 'I Dew Care'. A black arrow points from the 'SUBMIT' button in the previous screenshot to the newly added product card on this page. The product card for 'I Dew Care Glow set' includes:

- Image:** A group of four skincare products: Bright Serum, Dew You Dew Moisturizer, Vitamin C Glow Pack, and Plush Party Mask.
- Name:** I Dew Care Glow set
- Price:** 55.00 QAR
- Stock:** 44
- Sold:** None

Below the card are 'SHOW DETAILS' and 'UPDATE' buttons.

- The newly added product is searchable from the main page.



- The seller can update a product via clicking update.
- Upon clicking update a form will appear for the seller to update

**Products**

I Dew Care Bright product set Price: 5.00 QAR Stock: 44 Sold: None  <b>SHOW DETAILS</b> <b>UPDATE</b>	I Dew Care Plush Party Butter Vitamin C Lip Mask Price: 6.84 QAR Stock: 69 Sold: 3  <b>SHOW DETAILS</b> <b>UPDATE</b>	I Dew Care Silicone Mask Brush Price: 42.48 QAR Stock: 58 Sold: None  <b>SHOW DETAILS</b> <b>UPDATE</b>	I Dew Care Cushy Crush Sugar Vitamin C Lip Scrub Price: 51.24 QAR Stock: 36 Sold: None  <b>SHOW DETAILS</b> <b>UPDATE</b>
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**I Dew Care**

<b>Id</b>	IDC003
<b>Title</b>	I Dew Care Cushy Crush Sugar Vitamin C Lip Scrub
<b>Thumbnail URL</b>	https://cloudinary.images-iherb.com/image/upload/f_auto,q_auto:eco/images/dc/dc72860/v/13.jpg
<b>Price</b>	51.24 QAR
<b>Rating</b>	4.5/5
<b>Description</b>	Buff away dry, flaky lips with this sugar lip scrub. Enriched with vitamin C, it gently exfoliates while leaving your lips smooth and refreshed.
<b>Stock</b>	36

**SUBMIT**    **CANCEL**

Search By Product Name

**Products**

- The seller can update any detail about the product.
- For example: the seller will update the price from 51.24 to 60.

**I Dew Care**

<b>Id</b>	IDC003
<b>Title</b>	I Dew Care Cushy Crush Sugar Vitamin C Lip Scrub
<b>Thumbnail URL</b>	https://cloudinary.images-iherb.com/image/upload/f_auto,q_auto:eco/images/dc/dc72860/v/13.jpg
<b>Price</b>	60 QAR
<b>Rating</b>	4.5/5
<b>Description</b>	Buff away dry, flaky lips with this sugar lip scrub. Enriched with vitamin C, it gently exfoliates while leaving your lips smooth and refreshed.
<b>Stock</b>	36

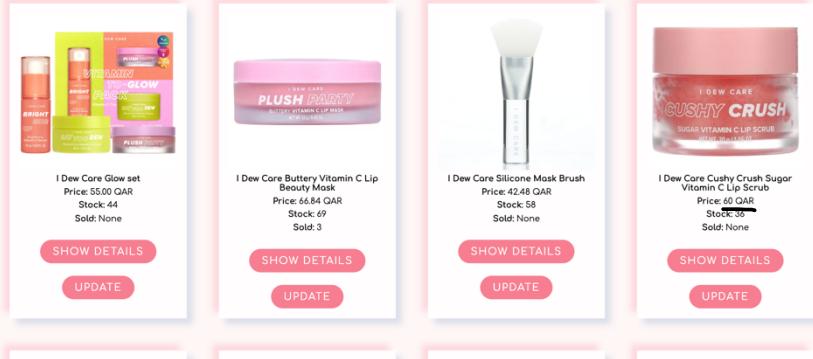
**SUBMIT**    **CANCEL**

Search By Product Name

**Products**

Search By Product Name

## Products



-The seller can search for a product in the sales page.

ADD NEW PRODUCT

cream ↪

## Products

**POWER PLUG**  
Firming Bakuchiol Night Cream  
50 mL / 1.69 FL. OZ.

I Dew Care Power Plug Firming Bakuchiol Night Cream  
Price: 51.48 QAR  
Stock: Out of Stock  
Sold: None  
[SHOW DETAILS](#) [UPDATE](#)