



# CIS 432 - Web-Based Systems

## Project Final Report



**Term 2 – 2021/2022**

**Project Name: Flora Land**

**Section: 1 (CS Major)**

**Group on Blackboard: 1**

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## 1. Work Distribution

Team Members	Tasks
Afrah	System Description (Proposal), ER Diagram, Products Table, Constructing Database (on phpMyAdmin), Filling images file with products pictures, Final Report documentation.
Dalia	User homepage, admin homepage, footer, logo design, past purchase cookies.
Dana	Products details page, Contact us page, footer, logo design.
Fatima	Manage products page, add new product form, edit product form, footer, logo design, final report documentation.
Maram	ER Diagram, Admin Table, Constructing Database (on phpMyAdmin), Filling images file with products pictures, help Popup PHP page, Final Report documentation.
Nouf	ER Diagram, Orders Table, Constructing Database (on phpMyAdmin), Filling images file with products pictures, User homepage.
Shahad	Log in page with JavaScript, PHP authentication, logo design, Contact Us page, footer.
Rahaf	Products interface, Cart interface, footer, logo design.

Table 1: Work Distribution Table

## 2. ER Diagram

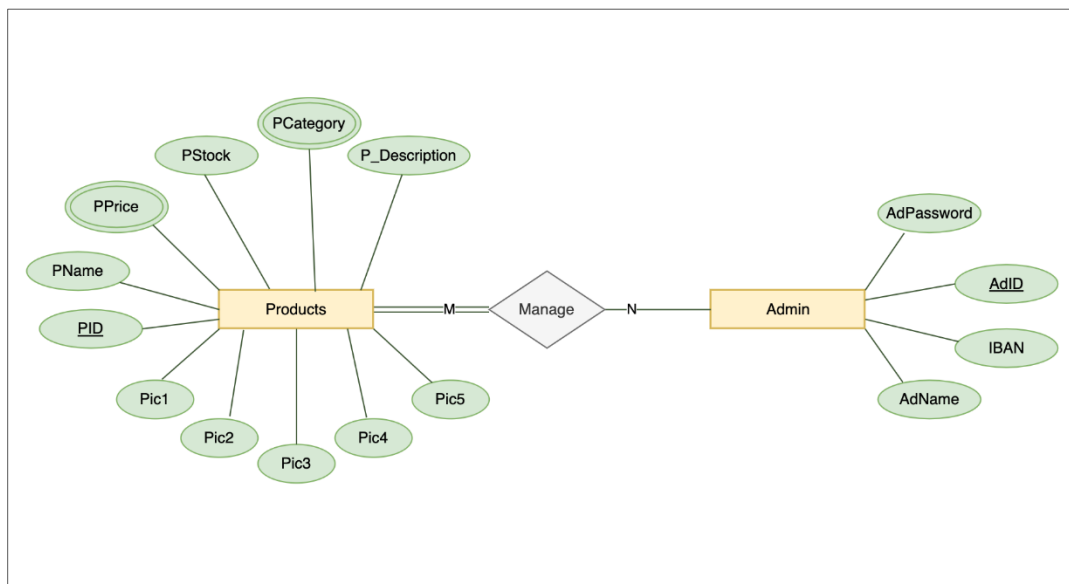


Figure 1: ER Diagram

### 3. Database Design

<b>flora_database Admin</b>	<b>flora_database products</b>
AdID : int(6)	PID : int(11)
AdName : varchar(255)	PName : varchar(30)
AdPassword : varchar(255)	PPrice : decimal(10,0)
IBAN : varchar(29)	PStock : int(11)
	PCategory : varchar(30)
	P_Description : varchar(1000)
	Pic1 : varchar(30)
	Pic2 : varchar(30)
	Pic3 : varchar(30)
	Pic4 : varchar(30)
	Pic5 : varchar(30)

Figure 2: Database Design

### 4. Filled Tables

#### Admin Table:

AdID	AdName	AdPassword	IBAN
800001	Noor Ahmed	Na11223344	SA03 8000 0000 6080 1016 7519
800002	May Ali	Mali1234567	SA05 1000 0120 6060 1212 7231
800003	Sausan Naif	Sau98765433	SA01 0000 0020 5060 5200 9832
800004	Sara Majed	Sam1234555	SA09 5005 0022 3640 9304 1065
800005	Layla Atlas	Laya1122669	SA01 5066 0000 3387 0001 0010
800006	Huda Kareem	Hudk8736453	SA02 7363 8200 6423 0100 6250
800007	Maysa Ahmed	Maym554643	SA03 8432 9030 0000 0000 2532
800008	Hadeel Adel	Haded348266	SA00 7262 0000 0000 0043 9823
800009	Fajr Omar	Fao12329327	SA09 3843 0000 7263 9282 0393
800010	Ghada Khalid	Gadk837340	SA09 0000 0000 2255 1822 1152

Figure 3: Database Admin Table



## Products Table:

PID	PName	PPrice	PStock	PCategory	P_Description	Pic1	Pic2	Pic3	Pic4	Pic5
1	Aloe vera	54	20	Plants	Botanical name: Aloe barbadensis Aloe Vera is an ...	Aloe vera1.png	Aloe vera2.png	Aloe vera3.png	Aloe vera4.png	Aloe vera5.png
4	Pineapple	50	10	Plants	The botanical name of pineapple is Ananas comosus....	pineapple1.png	pineapple2.png	pineapple3.png	pineapple4.png	pineapple5.png
6	Dracaena	66	12	Plants	Botanical name: Dracaena fragrans Dracaena is an ...	Dracaena1.png	Dracaena2.png	Dracaena3.png	Dracaena4.png	Dracaena5.png
7	Clay Hanging Pot	55	15	Care Tools	Made of matte fibreclay, these sturdy pots mix rus...	chpot1.png	chpot2.png	chpot3.png	chpot4.png	chpot5.png
8	Corby	79	20	Plants	Calatheas are wonderful houseplants. They come in ...	corby1.png	corby2.png	corby3.png	corby4.png	corby5.png
9	Plant Gude1	15	20	Care Tools	A fun, gifty guide to growing and caring for the t...	PGuide11.png	PGuide12.png	PGuide13.png	PGuide14.png	PGuide15.png
10	Plant Guide 2	20	20	Care Tools	Discover everything you need to transform your emp...	PGuide21.png	PGuide22.png	PGuide23.png	PGuide24.png	PGuide25.png
11	Scissors	35	20	Care Tools	Every plant parent needs a good pair of secateurs....	sce1.png	sce2.png	sce3.png	sce4.png	sce5.png

Figure 4: Database Products Table

## 5. Fulfilled Requirements

Tasks	Status
Database Design	✓
Web Design	✓
Display Products	✓
Display Product Details	✓
Add to cart	✓
Checkout	✓
“Buy” process	✓
Authenticate Managers	✓
Add New Product	✓
Search for a product to modify or delete	✓
Display address and location map	✓
Past purchases	✓
Forms validation	✓
Help Window	✓
Accessibility	✓
Efficiency	✓

Table 2: Fulfilled Requirements

## 6. Web Interfaces Test Cases (with screenshots)

### Index Interface

Index Interface is the home page any user sees as the first page when they enter the website. This home page puts forth a combination of appealing colors and user-friendly features. The top navigation bar consists of “Home”, “Products”, “Contact Us”, “Shopping Cart” and lastly the “Admin” access. When clicked on “Home”, it directs the user to the Home page which is shown in the Figure (5). “Products” includes the “Plants” and “Care Tools”. In the Home page as the user scrolls down the “Learn More” section is visible as shown in Figure (6). When clicked on “Learn More”, the user is redirected to the “Contact Us” page. Moreover, the header and footer remain the same throughout all the customer interfaces to maintain uniformity and simplicity.

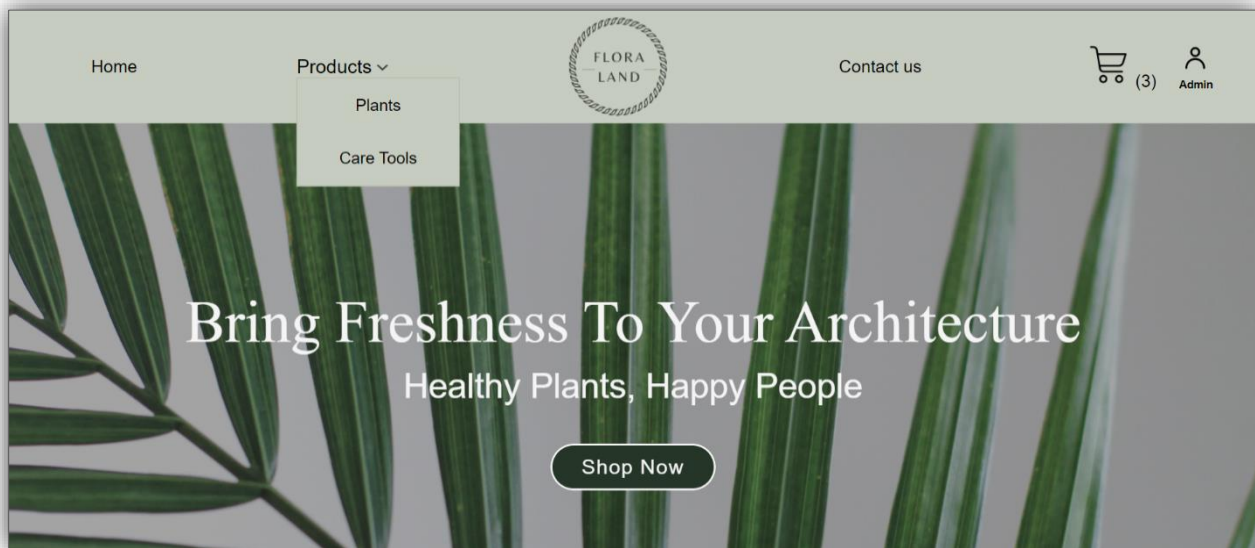


Figure 5: Index interface

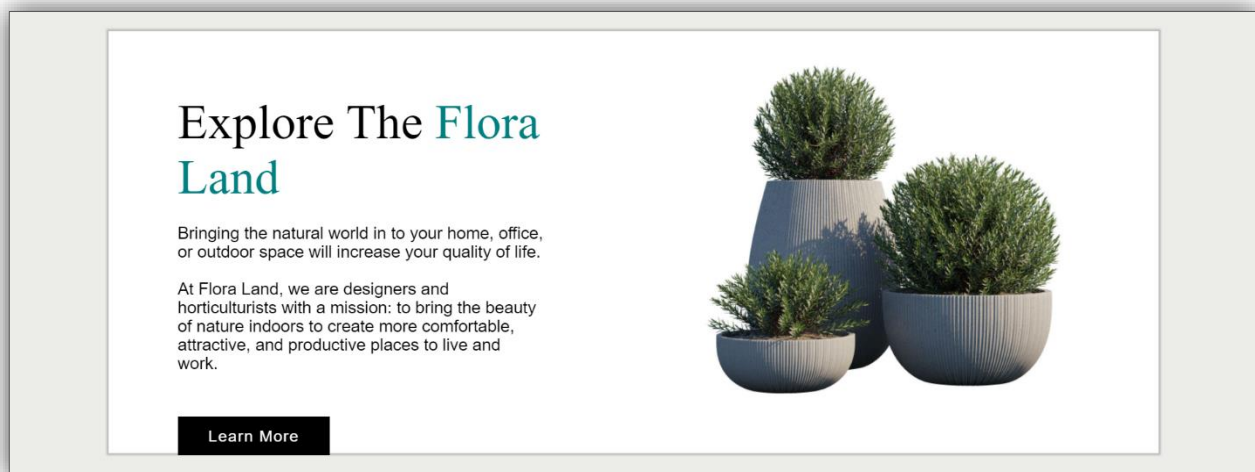


Figure 6: Learn More

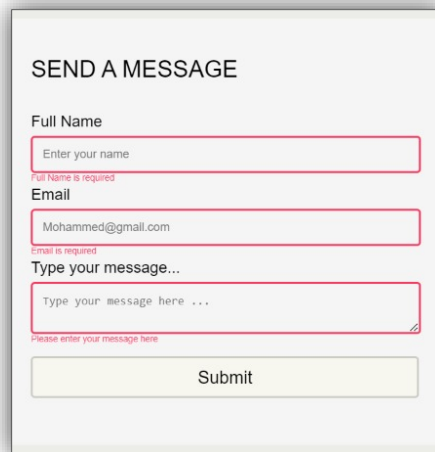
## Contact Us Interface

In the “Contact Us” interface, the user’s details such as the Full Name, Email and Message are validated. The text fields border turns red if the user tries to submit the form with data missing in any of the fields and turn back green as soon as the user enters valid informations and submits the form.

**Use Case 1:** The user does not enter any data in the fields and clicks “Submit” button.

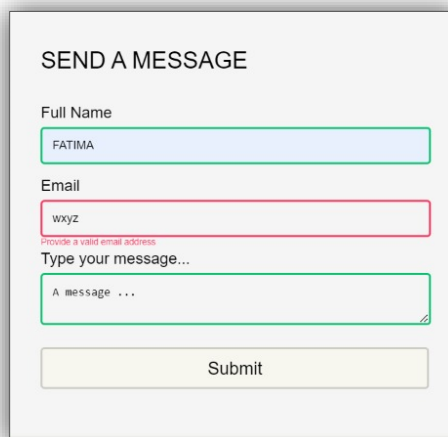
**Use Case 2:** The user enters incorrect Email ID and clicks “Submit” button.

**Use Case 3:** The user enters data in the fields and clicks the “Submit” button. The user is able to successfully submit the Contact Us form which gets validated by JavaScript.



The screenshot shows a web form titled "SEND A MESSAGE". It contains three input fields: "Full Name" with the placeholder "Enter your name", "Email" with the placeholder "Mohammed@gmail.com", and a text area "Type your message..." with the placeholder "Type your message here ...". All three fields have red borders, indicating they are required and currently empty. Below the fields is a yellow "Submit" button. Red error messages are visible: "Full Name is required" under the first field and "Email is required" under the second field. The text area has a red message "Please enter your message here" at the bottom.

Figure 7: Contact Us- Use Case 1



The screenshot shows the same "SEND A MESSAGE" form. The "Full Name" field now contains the text "FATIMA" and has a green border. The "Email" field contains the text "wxyz" and has a red border with a red error message "Provide a valid email address" below it. The "Type your message..." text area contains the text "A message ..." and has a green border. The yellow "Submit" button remains at the bottom.

Figure 8: Contact Us- Use Case 2

localhost says

Thank You! We received your message!

OK

### SEND A MESSAGE

Full Name

FATIMA

Email

wxyz@gmail.com

Type your message...

A message ...

Submit

Figure 9: Contact Us- Use Case 3

When the user scrolls further down, the “Buy it Again” section is visible. Returning customers are able to see their past purchases in this section. Cookies was used to implement this functionality as shown in Figure (10).

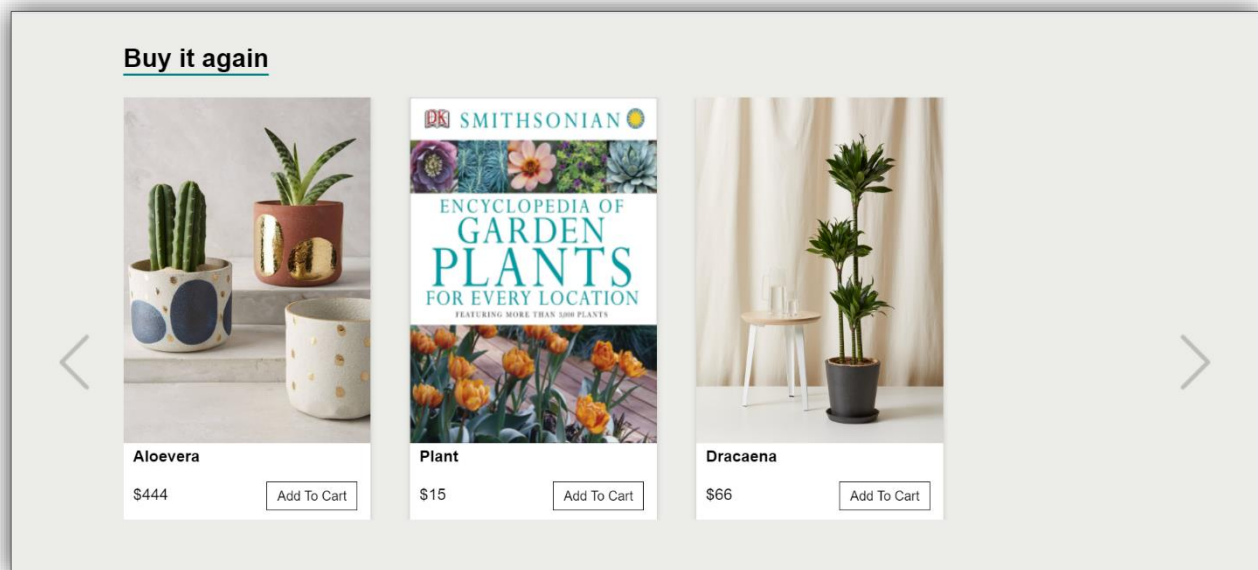


Figure 10: Buy It Again

When the user scrolls further after the “Buy it again” section, the “New Arrivals” section is visible. Here, the user is able to see the latest plants and care tools added to the Database by the admin.

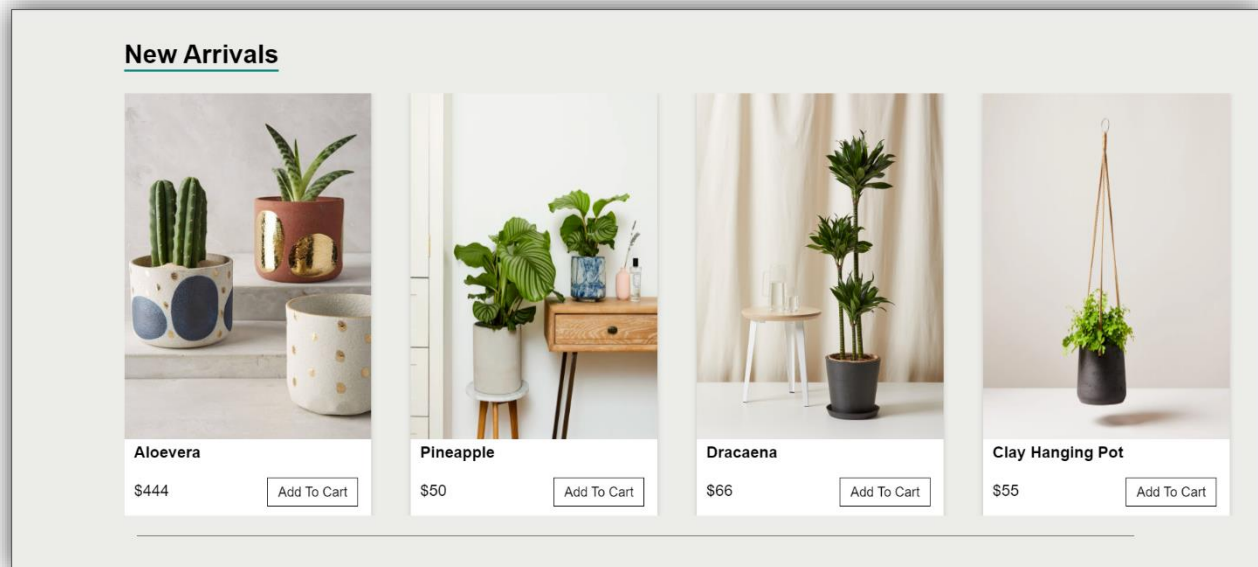


Figure 11: New Arrivals

## Footer

At the bottom of the homepage is the footer which consists of easy access links to “Home”, “Products” and “Contact Us” Interfaces. It also includes a unique Newsletter section in which the users of the website can send in their Email ID to subscribe to the weekly newsletter in order to receive all kinds of updates and notifications regarding the store and the website. Lastly, it also includes links to the store’s social media pages on Facebook, Instagram, and Twitter.

**Use Case 1:** The user leaves the field empty, and clicks “Send” as shown in Figure (12).

**Use Case 2:** The user enters an invalid email ID, and clicks “Send” as shown in Figure (13).

**Use Case 3:** The user enters a valid Email ID, and clicks “Send” as shown in Figure (14).

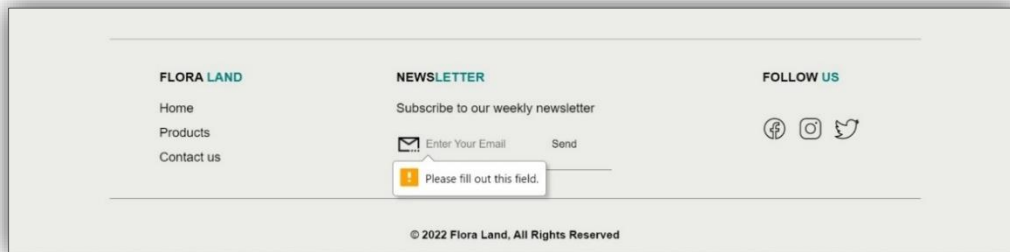


Figure 12: Footer- Use Case 1

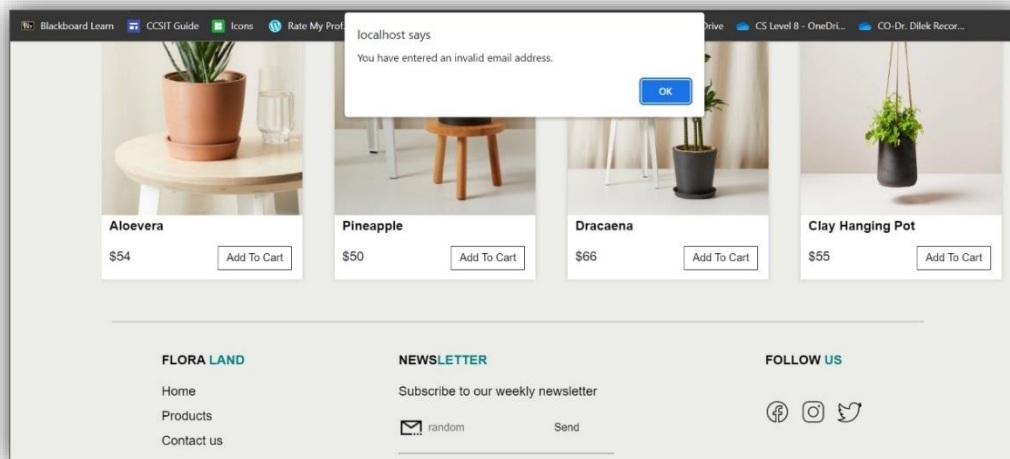


Figure 13: Footer- Use Case 2

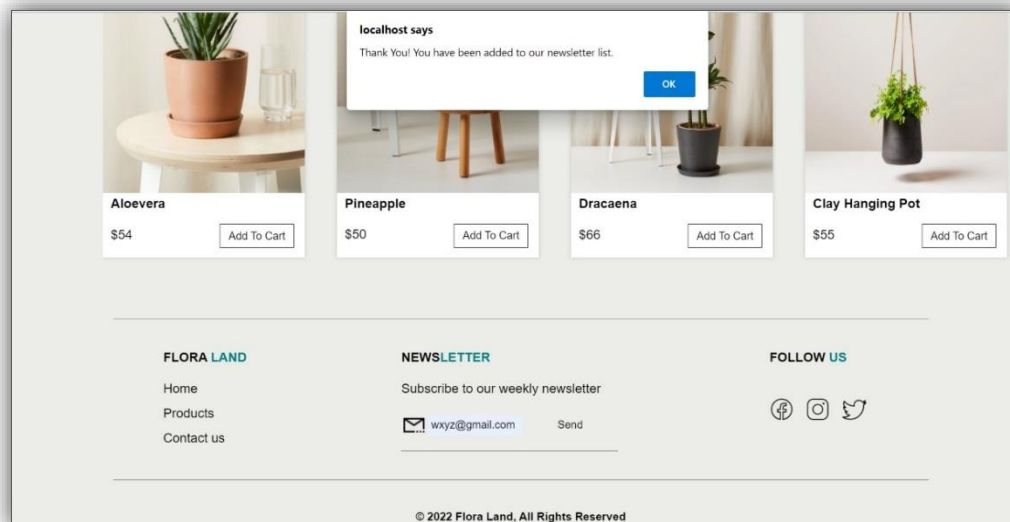


Figure 14: Footer- Use Case 3

## All Products Interface

There are two sections in the “All Products Interface”. In the “Plants” section, the available plants and their respective details are displayed as shown in Figure (15). All the product details and their images are retrieved from the database and displayed in containers with the help of appropriate queries. Each plant has an “Add to cart” button. As the user clicks the “Add to cart” button, the plant gets added to the shopping cart and is depicted in the report in the shopping process section.

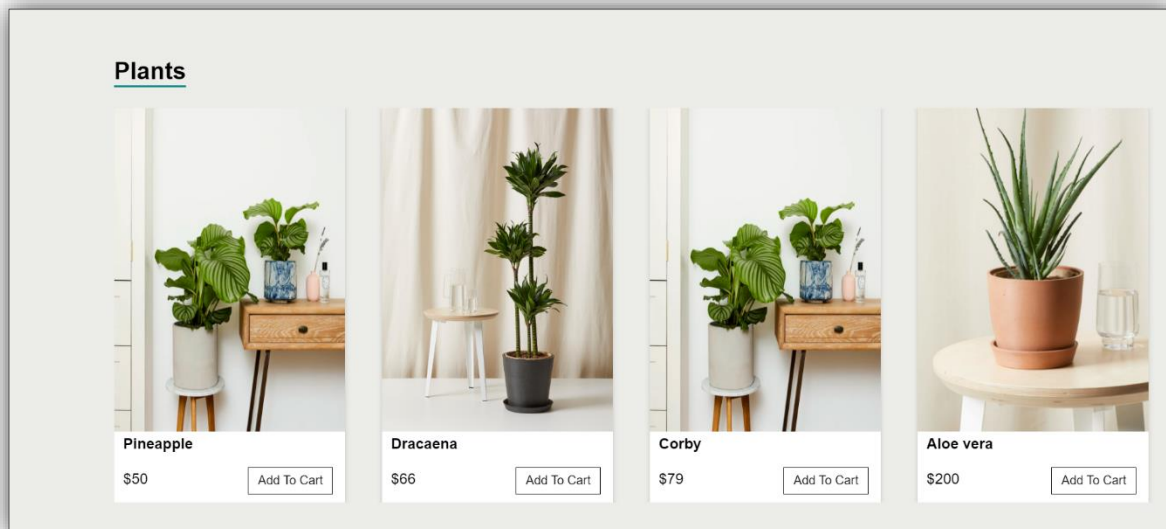


Figure 15: Plants- All Products Interface

## Products Details Interface

When the user clicks on any of the Product containers, the user is directed to the respective Product Details Interface. In this interface, a detailed description of the plant is displayed. Additionally, the desired quantity required can be added to the cart from here by choosing the quantity number and clicking the “Add to Cart” button. The “Buy Now” button will direct the user directly to the Shopping cart interface. The quantity can be incremented to the maximum number present in the database and decremented accordingly. This has been implemented using JavaScript code. Below the product images, details and various ways in which the respective plant needs to be cared has been clearly mentioned. Moreover, a pop-up help icon is present at the bottom of this interface. When the pop-up icon is clicked by the user, a message is displayed guiding the user on how to purchase any product on the website as shown below in Figure (18).



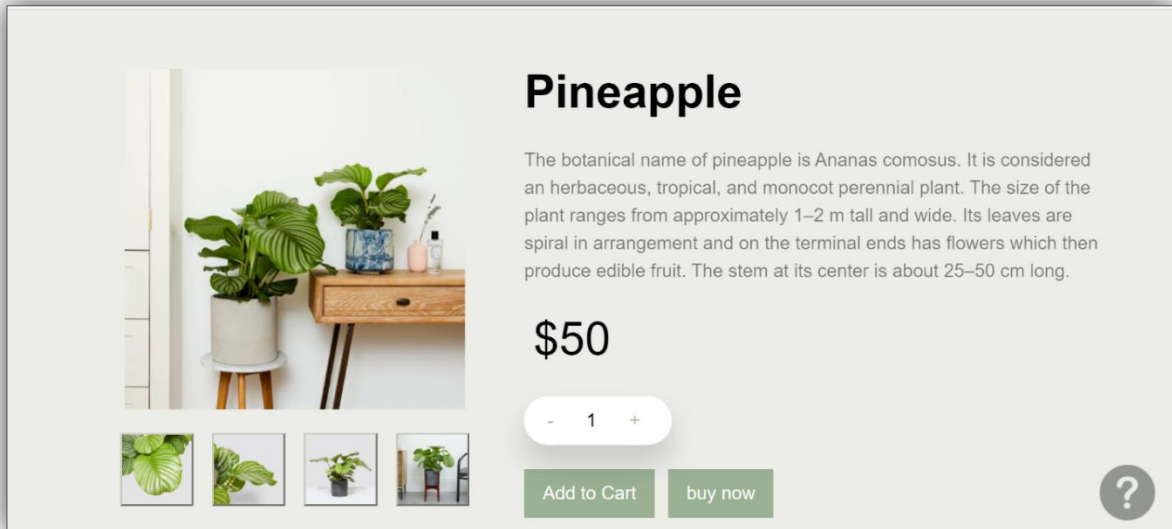


Figure 16: Product Details Interface

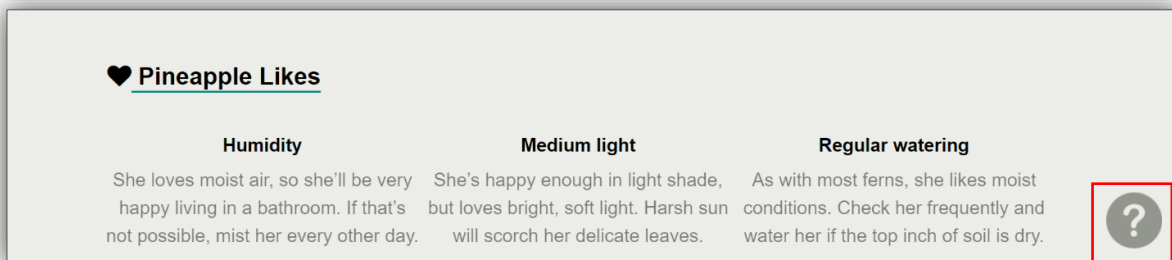


Figure 17: Help pop-up button

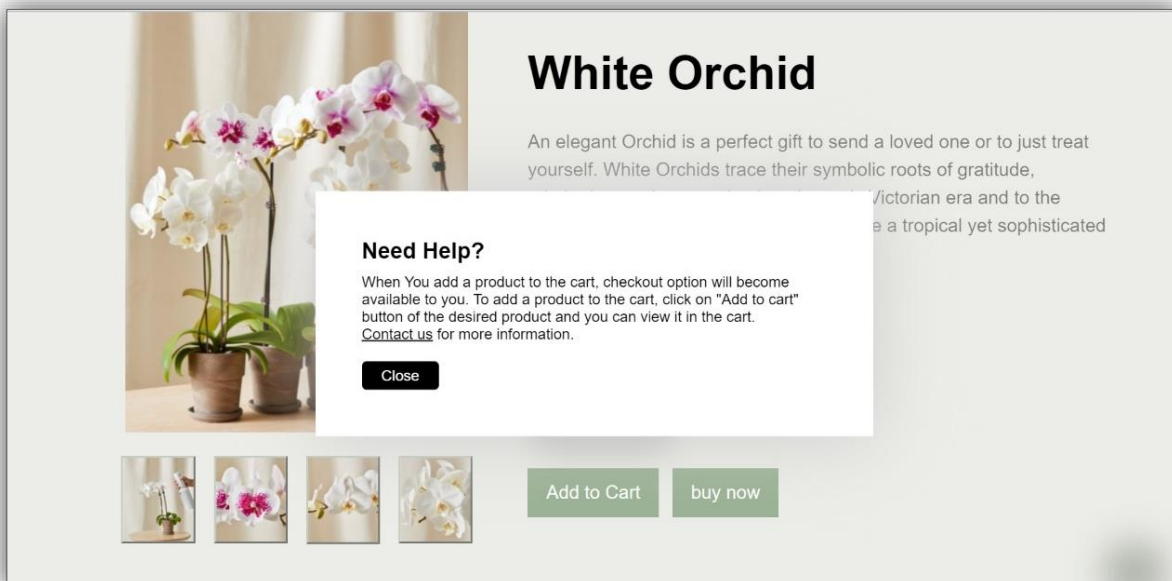


Figure 18: Help pop-up message



At the bottom of the product details interface, the suggested products for the user are displayed which are randomly selected from the database.

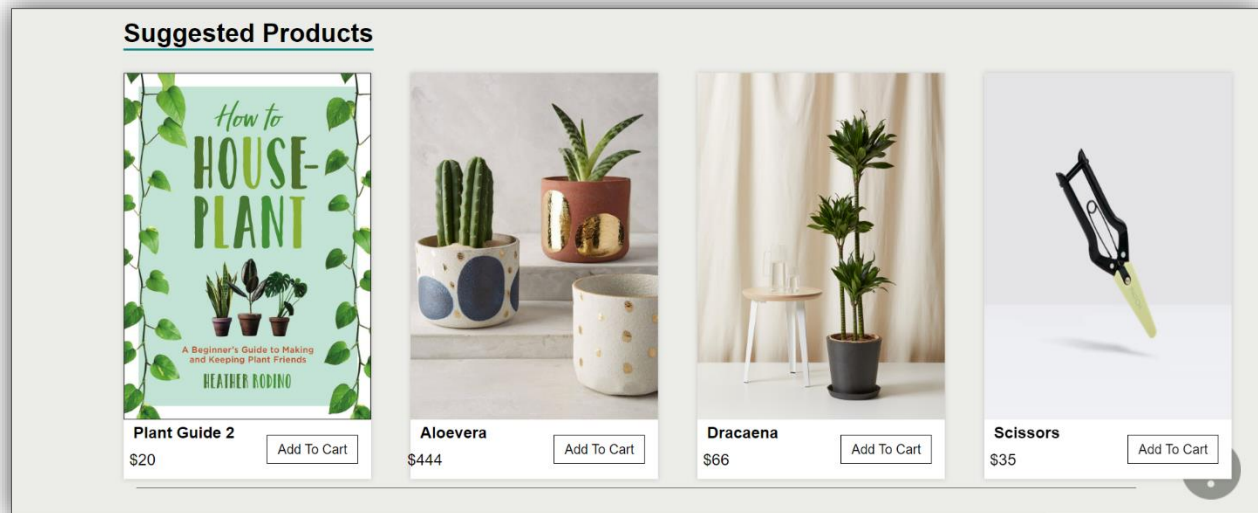


Figure 19: Suggested Products

In this section “Care Tools” of the “All Products Interface”, the available care tools and their respective details are displayed as shown in Figure (20). Each care tool or guide has an “Add to cart button”. If the user clicks the “Add to cart” button, the care tool gets added to cart and this is later depicted in the report in the Shopping Process.

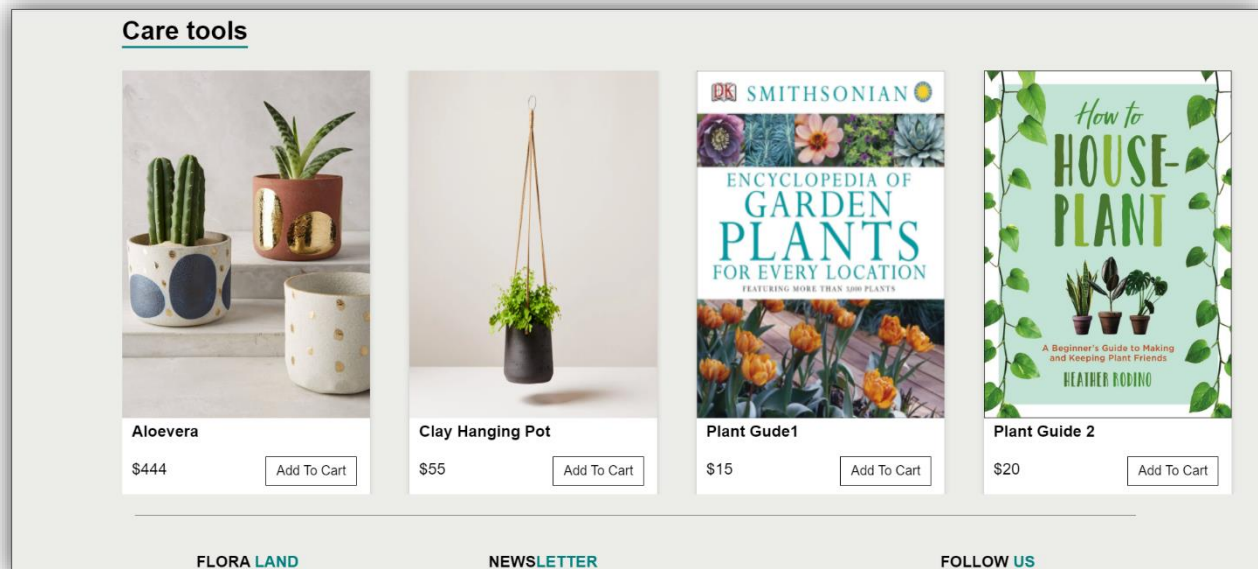


Figure 20: Care Tools- All Products Interface

## Shopping Process

**Use Case 1:** The user adds Aloe vera pots from the Care Tools section as the first product to the shopping cart.

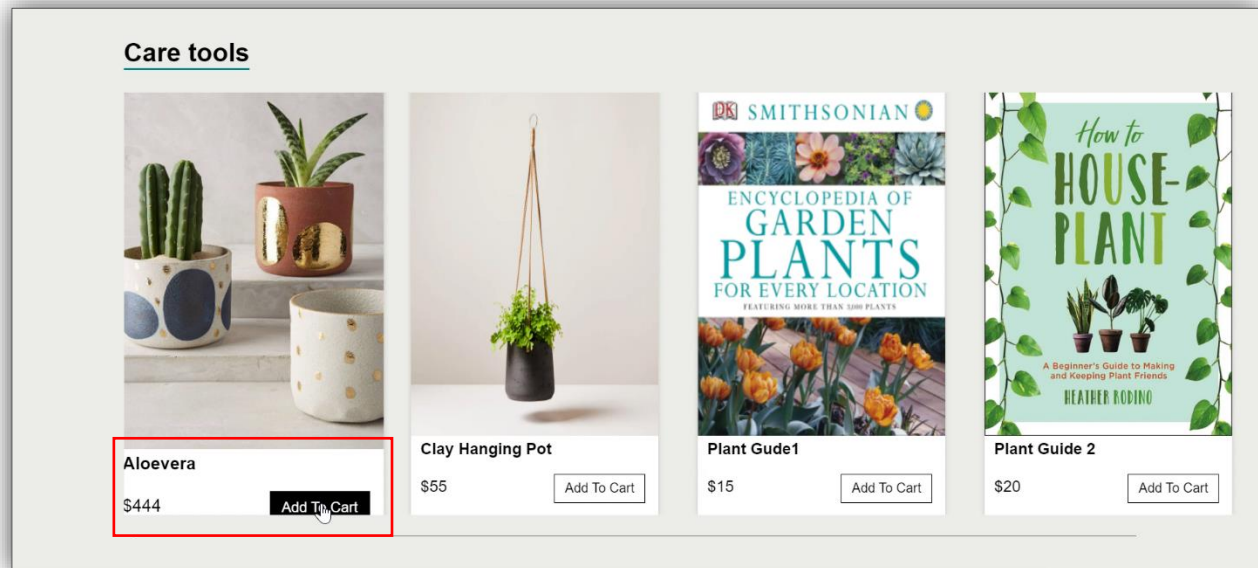


Figure 21: Adding Aloe vera to shopping cart

The user adds the PlantGuide1 from the Care Tools section as the second product to the shopping cart.

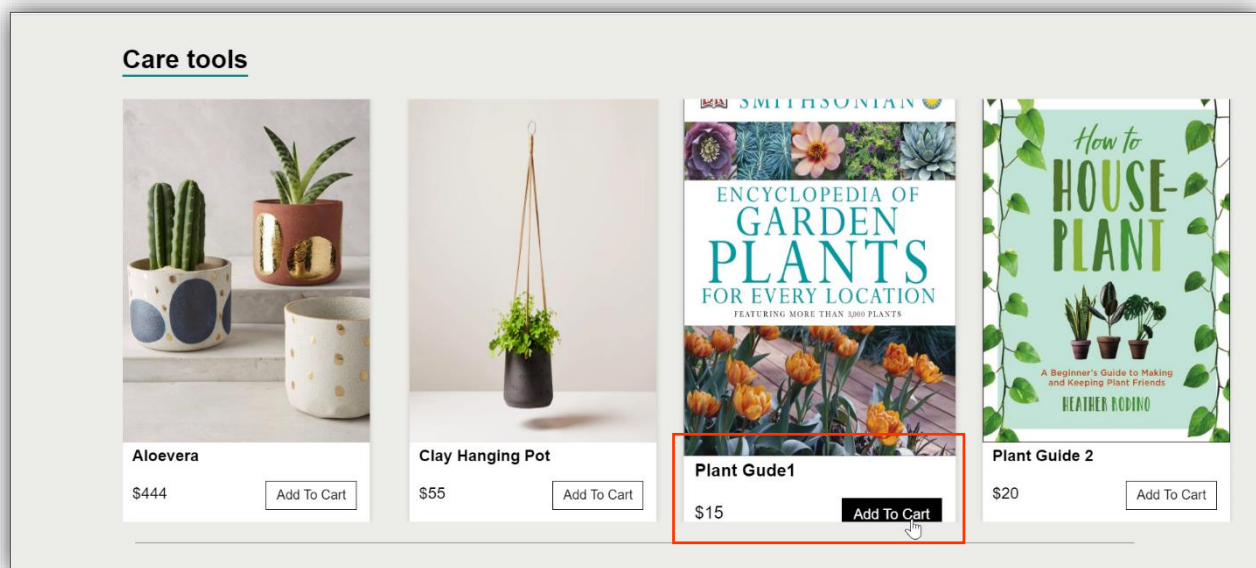


Figure 22: Adding PlantGuide1 to shopping cart

The user adds the Dracaena plant from the Plants section as the third product to the shopping cart.

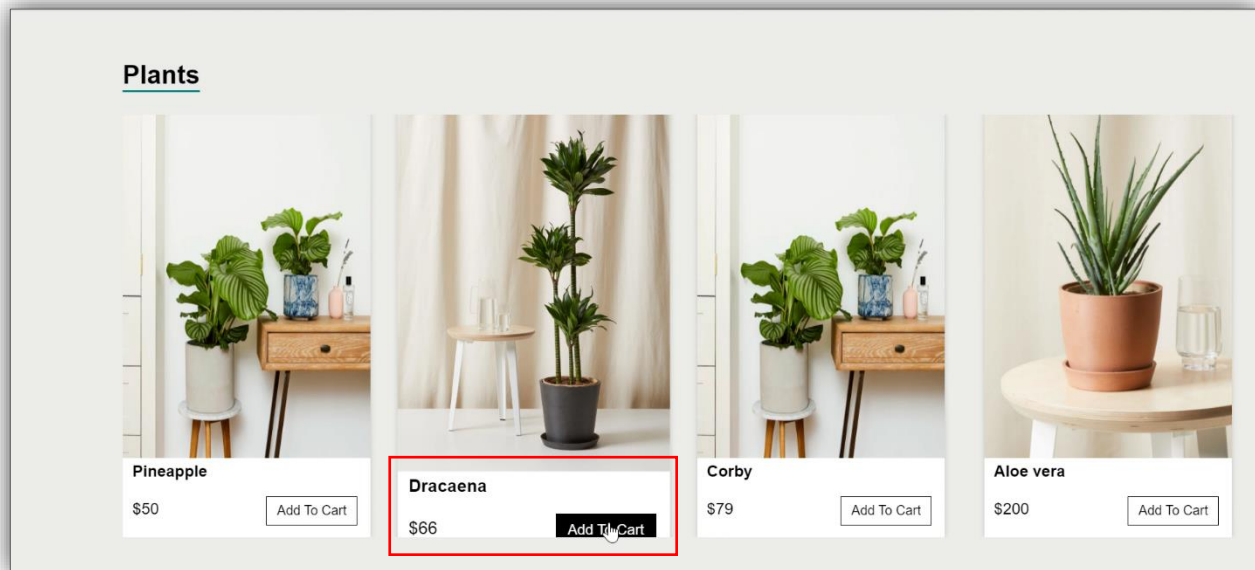


Figure 23: Adding Dracaena to shopping cart

## Shopping Cart Interface

As the user keeps adding products to the Shopping cart, the counter keeps increasing as shown in Figure (24). As there are 3 products currently in the cart, the shopping cart counter shows 3. Session have been implemented in the Shopping cart interface. JavaScript code was used to change the quantity and Grand total.

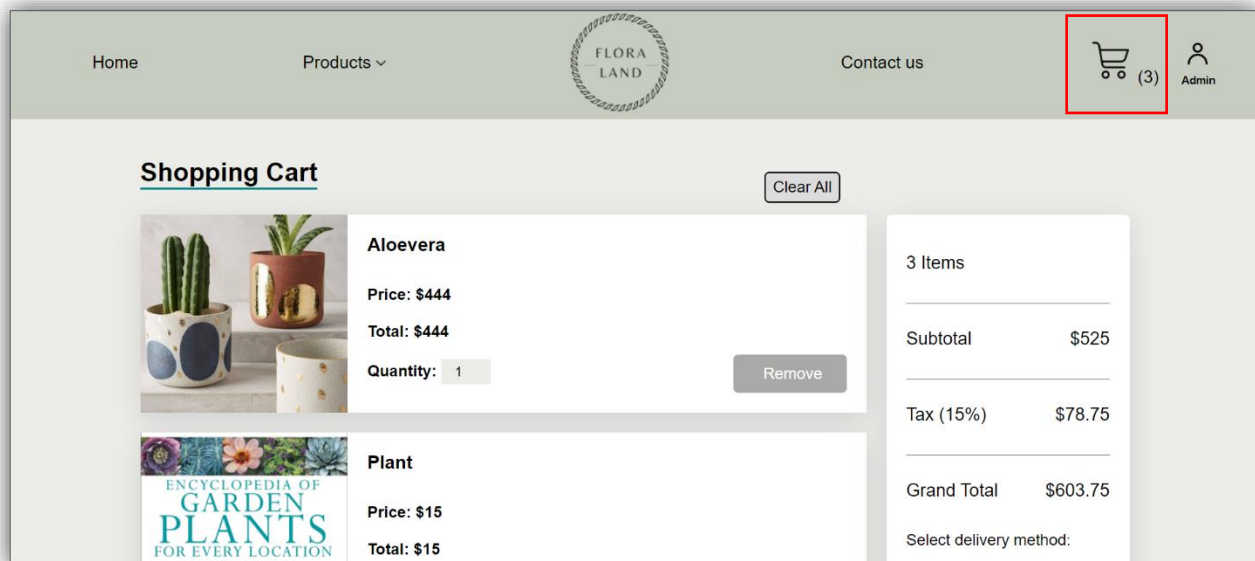


Figure 24: Shopping cart interface

At the right side of the interface, the bill is generated for the user. The accurate grand total is displayed. Any automatic changes in the bill are instantly reflected to the user using the JavaScript code. Additionally, there are two options present here for the receiving method for the user which are “Delivery” and “Pick up”. After selecting one of the options, the user clicks “Checkout”.

3 Items	
Subtotal	\$525
Tax (15%)	\$78.75
Grand Total	\$603.75
Select delivery method:	
<input type="radio"/> Delivery	<input type="radio"/> Pick-up
<input type="button" value="Checkout"/>	

Figure 25: Bill- Shopping cart interface

As soon as the user clicks “Checkout”, a short pop-up window message is displayed to the user to ensure that he/she has successfully completed the shopping process.

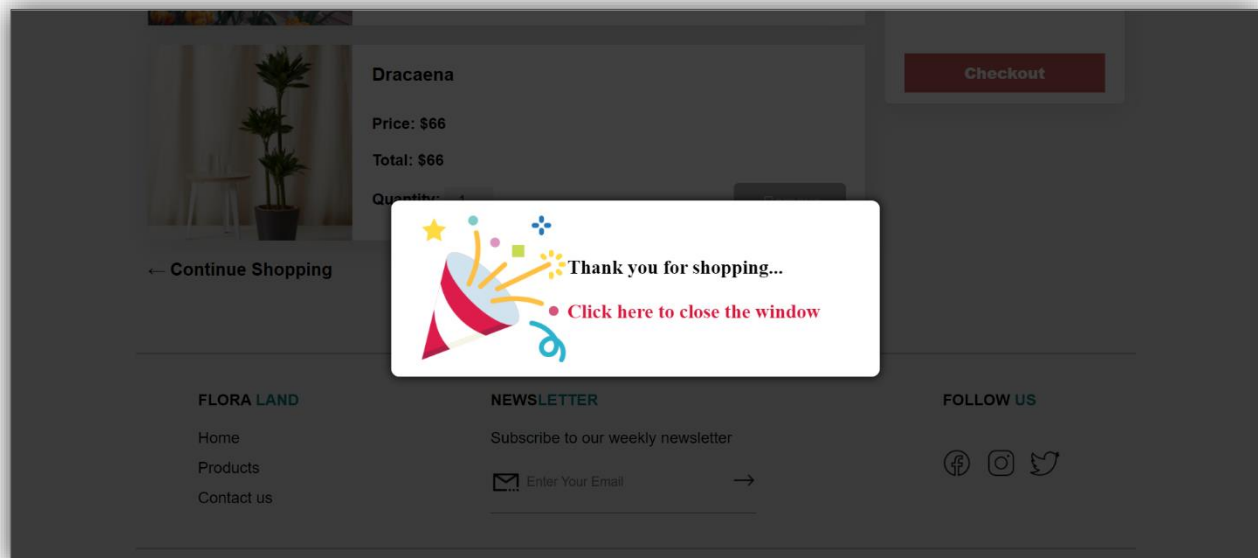


Figure 26: Shopping process successful message

**Use Case 2:** After adding products to the cart, the user decides to delete one product- here for instance, “Dracaena” plant. As soon as the user clicks “Remove”, a confirmation message dialog box is displayed and if the user clicks “OK”, the specific product gets deleted from the cart and the changes are immediately reflected in the bill. This function is implemented using JavaScript.

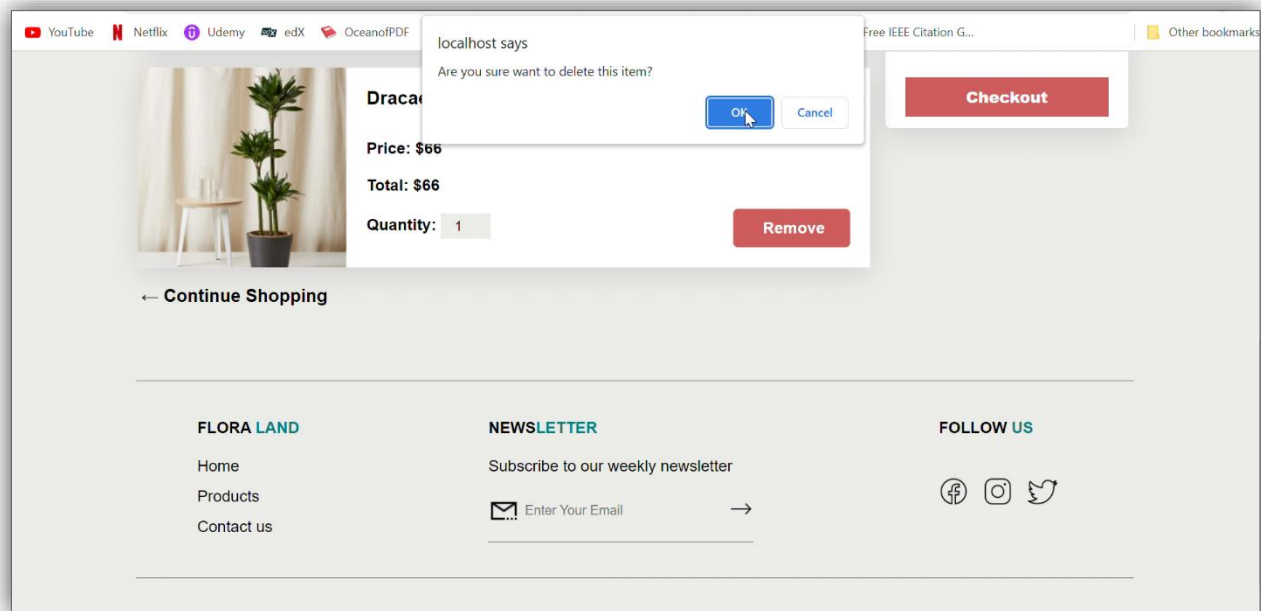


Figure 27: Remove button Use Case

**Use Case 3:** The user clicks the “Clear All” button and all the products immediately get deleted from the shopping cart and the grand total = 0 and the checkout button is no longer “visible”.

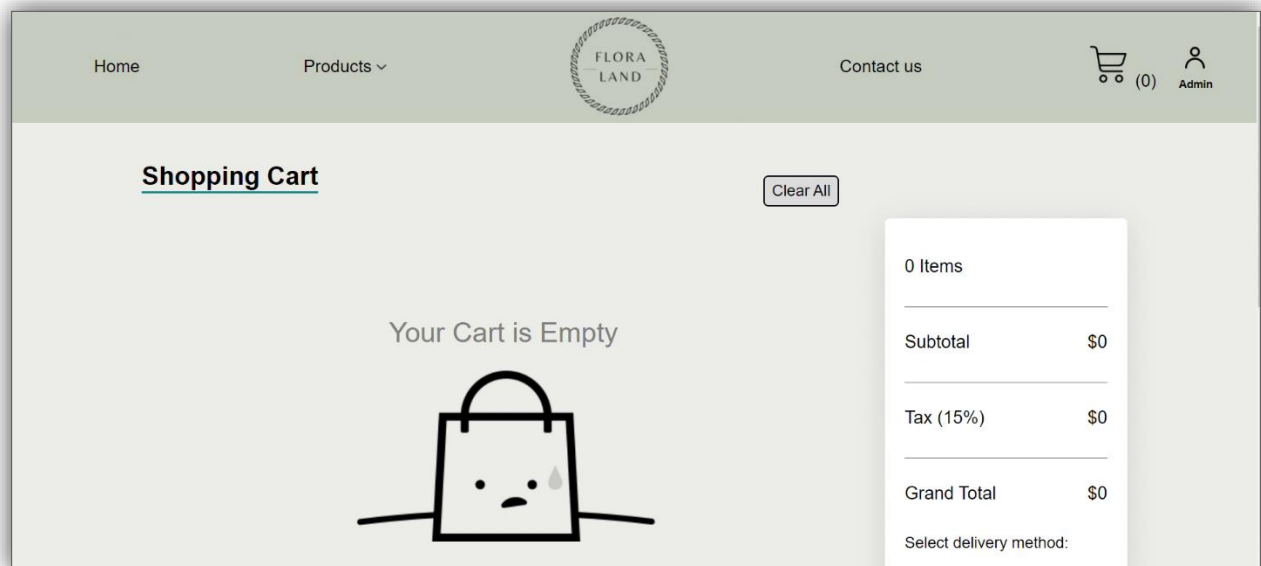




Figure 28: Clear All button Use Case



#### Use Case 4:

The user tries to add a quantity greater than the stock in the database. The user enters 10 as shown in Figure (29). An error message is shown to the user to reduce the quantity.

**Shopping Cart** Clear All

	<b>Pineapple</b> Price: \$50 Total: \$500 Quantity: <input type="text" value="10"/> <span>Remove</span>
	<b>Aloe vera</b> Price: \$54 Total: \$54 Quantity: <input type="text" value="1"/> <span>Remove</span>

2 Items

---

Subtotal \$554

---

Tax (15%) \$83.1

---

Grand Total \$637.1



Select delivery method:

Delivery

**Checkout**

Figure 29: Entering invalid quantity Use Case

**Shopping Cart** Clear All

	<b>Pineapple</b> Price: \$50 Total: \$550 Quantity: <input type="text" value="11"/> <span>Remove</span>
	<b>Aloe vera</b> Price: \$54 Total: \$54 Quantity: <input type="text" value="1"/> <span>Remove</span>

2 Items

---

Subtotal \$604

---

Tax (15%) \$90.6

---

Grand Total \$694.6

Select delivery method:

Delivery

Product **Pineapple** is out of stock please try to reduce the quantity.  
Available Items:10

Figure 30: Invalid Quantity Error Message

## Admin Log in Interface

The admin is required to enter Admin ID and password in order to log in and access the privileged functionalities which include searching products, adding products, editing products, and deleting products. This interface uses JavaScript validation. This log in functionality is only available for the admins.

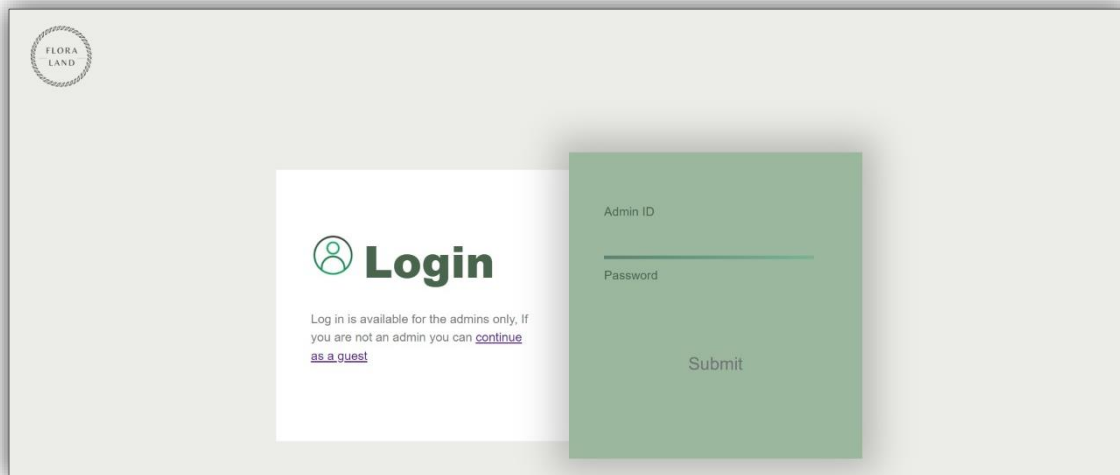
The image shows a web interface for admin login. On the left, a white box contains a 'FLORA LAND' logo, a user icon, the word 'Login', and a message: 'Log in is available for the admins only. If you are not an admin you can [continue as a guest](#)'. On the right, a green box contains two input fields labeled 'Admin ID' and 'Password', and a 'Submit' button.

Figure 31: Admin Log in interface

**Use Case 1:** The user clicks “Submit” without entering the “Admin ID” and “Password”. The warning message as shown in the Figure (32) is displayed to the user.

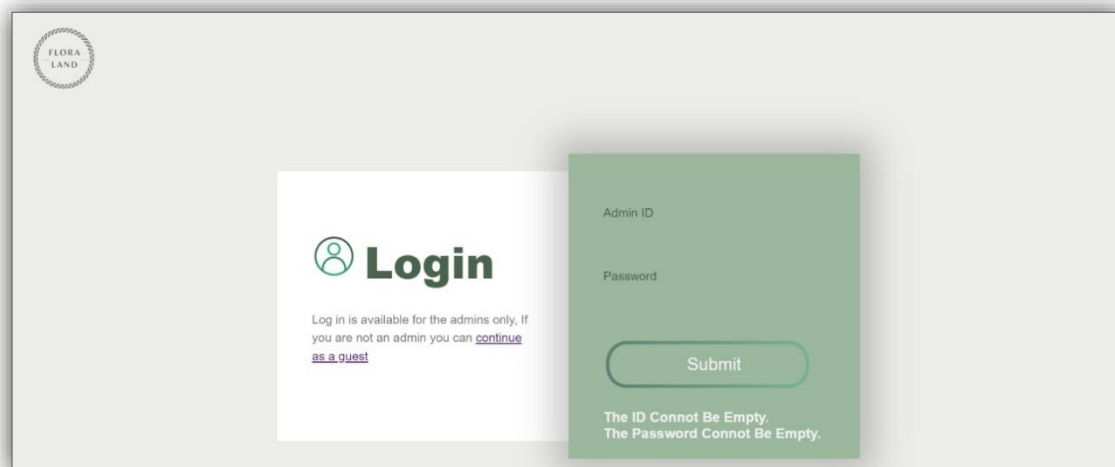
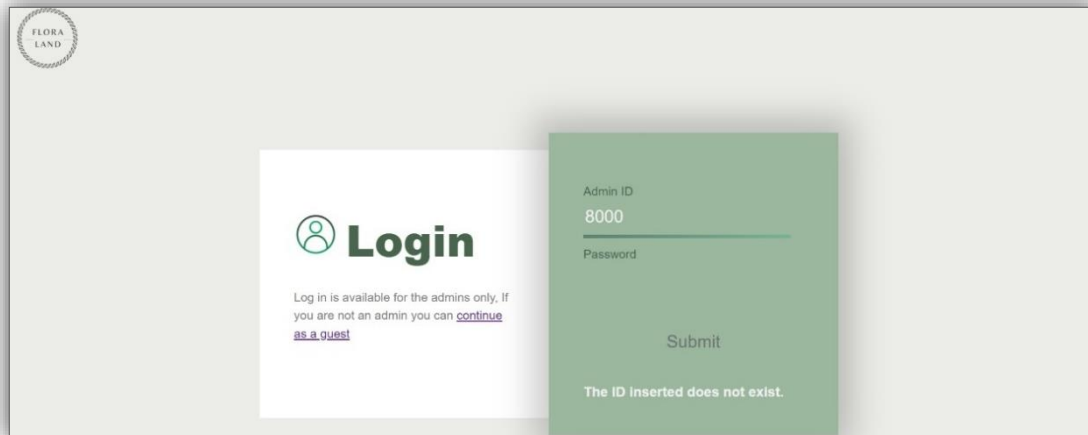
The image shows the same admin login interface as Figure 31, but with a warning message displayed below the 'Submit' button. The message reads: 'The ID Cannot Be Empty. The Password Cannot Be Empty.'.

Figure 32: Admin Log in Use Case 1

**Use Case 2:** The user clicks “Submit” by entering the incorrect “Admin ID” and correct “Password”. The warning message as shown in the Figure (33) is displayed to the user.

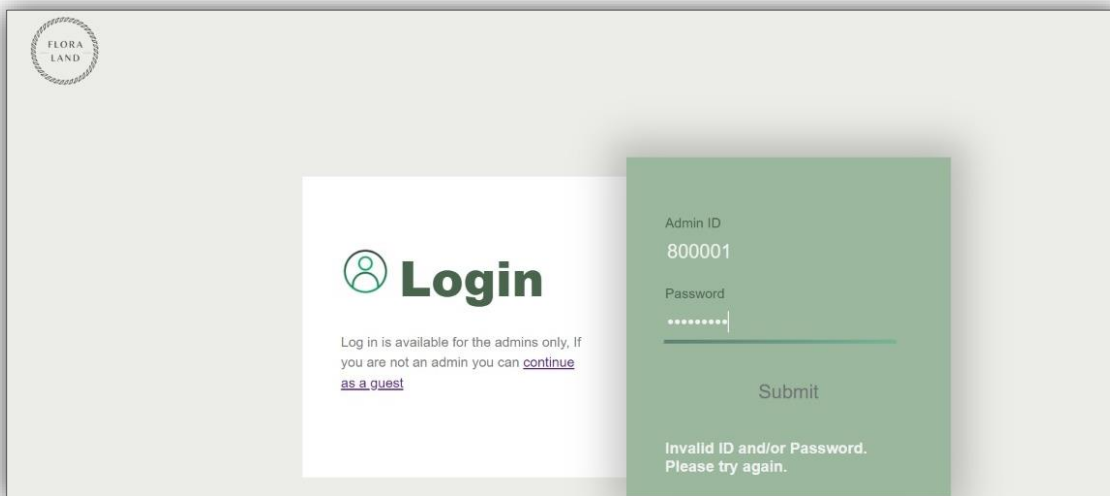


The screenshot shows a web application interface for "FLORA LAND". On the left, there is a "Login" section with a user icon and text stating: "Log in is available for the admins only. If you are not an admin you can [continue as a guest](#)". On the right, there is a green login form with the following fields and content:

- Admin ID: 8000
- Password: (empty)
- Submit button
- Error message: "The ID inserted does not exist."

Figure 33: Admin Log in Use Case 2

**Use Case 3:** The user clicks “Submit” by entering the correct “Admin ID” and incorrect “Password”. The warning message as shown in the Figure (34) is displayed to the user. The same message is shown when user enters incorrect “Admin Id” and incorrect “Password”.



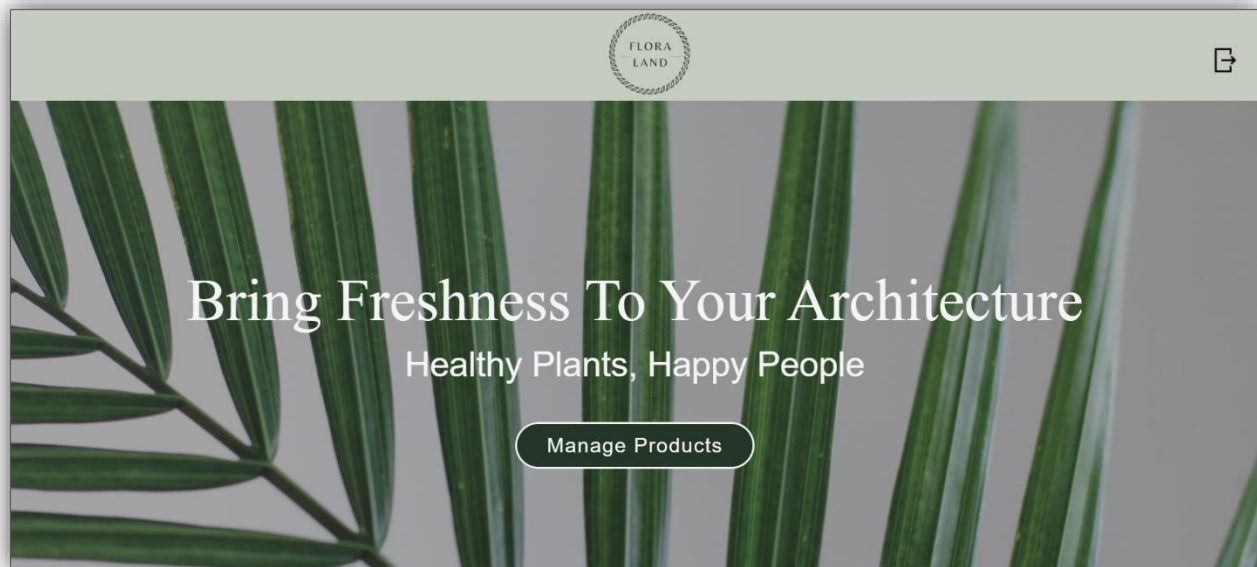
The screenshot shows the same "FLORA LAND" web application interface. The "Login" section on the left is identical. The green login form on the right now contains the following fields and content:

- Admin ID: 800001
- Password: (masked with dots)
- Submit button
- Error message: "Invalid ID and/or Password. Please try again."

Figure 34: Admin Log in Use Case 3



**Use Case 4:** The user clicks “Submit” by entering the correct “Admin ID” and correct “Password”. As soon as the admin enters the correct log in credentials, the admin is shown the main “Manage Products” Interface. The admin can further access all its authorized functionalities by clicking the “Manage Products” button. The Exit button icon on the top right corner directs the user to the main home page.



*Figure 35: Manage Products Interface*

## Admin - Manage Products Interface

### 1. Searching Products

The following is all the products data available in the database as shown in Figure (36).

























				PID	PName	PPrice	PStock	PCategory	P_Description	Pic1	Pic2	Pic3	Pic4	Pic5
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Aloevera	54	20	Plants	Botanical name: Aloe barbadensis Aloe Vera is an ...	Aloevera1.png	Aloevera2.png	Aloevera3.png	Aloevera4.png	Aloevera5.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Pineapple	50	10	Plants	The botanical name of pineapple is Ananas comosus....	pineapple1.png	pineapple2.png	pineapple3.png	pineapple4.png	pineapple5.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	Dracaena	66	12	Plants	Botanical name: Dracaena fragrans Dracaena is an ...	Dracaena1.png	Dracaena2.png	Dracaena3.png	Dracaena4.png	Dracaena5.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	Clay Hanging Pot	55	15	Care Tools	Made of matte fibreclay, these sturdy pots mix rus...	chpot1.png	chpot2.png	chpot3.png	chpot4.png	chpot5.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	Corby	79	20	Plants	Calatheas are wonderful houseplants. They come in ...	corby1.png	corby2.png	corby3.png	corby4.png	corby5.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	Plant Guide1	15	20	Care Tools	A fun, gifty guide to growing and caring for the t...	PGuide11.png	PGuide12.png	PGuide13.png	PGuide14.png	PGuide15.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	Plant Guide 2	20	20	Care Tools	Discover everything you need to transform your emp...	PGuide21.png	PGuide22.png	PGuide23.png	PGuide24.png	PGuide25.png
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	Scissors	35	20	Care Tools	Every plant parent needs a good pair of secateurs....	sce1.png	sce2.png	sce3.png	sce4.png	sce5.png

Figure 36: Products Data in the database

The products data is retrieved/displayed from the database in the Admin's manage products panel as shown in the Figure (37).

Manage Products								+ ADD PRODUCT	
ID	NAME	PRICE	STOCK	CATAGORY	DESCRIPTION	PICTURES	ACTIONS		
1	Aloevera	54	20	Plants	Botanical name:...	Aloevera1....	<button>EDIT</button> <button>DELETE</button>		
2	Pineapple	50	10	Plants	The botanical n...	pineapple1...	<button>EDIT</button> <button>DELETE</button>		
3	Dracaena	66	12	Plants	Botanical name:...	Dracaena1....	<button>EDIT</button> <button>DELETE</button>		
4	Clay Hanging Pot	55	15	Care Tools	Made of matte fi...	chpot1.png...	<button>EDIT</button> <button>DELETE</button>		
5	Corby	79	20	Plants	Calatheas are w...	corby1.png...	<button>EDIT</button> <button>DELETE</button>		
6	Plant Guide1	15	20	Care Tools	A fun, gifty guid...	PGuide11....	<button>EDIT</button> <button>DELETE</button>		
7	Plant Guide 2	20	20	Care Tools	Discover everyt...	PGuide21....	<button>EDIT</button> <button>DELETE</button>		
8	Scissors	35	20	Care Tools	Every plant par...	sce1.png s...	<button>EDIT</button> <button>DELETE</button>		
Total Number of Products								8 Products	

Figure 37: Admin's manage products panel

In the navigation bar (header) of the interface, the admin is authorized to search for any product by ID, Name, or Category.



Figure 38: Admin panel search bar

**Use Case 1:** The result of searching for by the product ID that equals to 4.

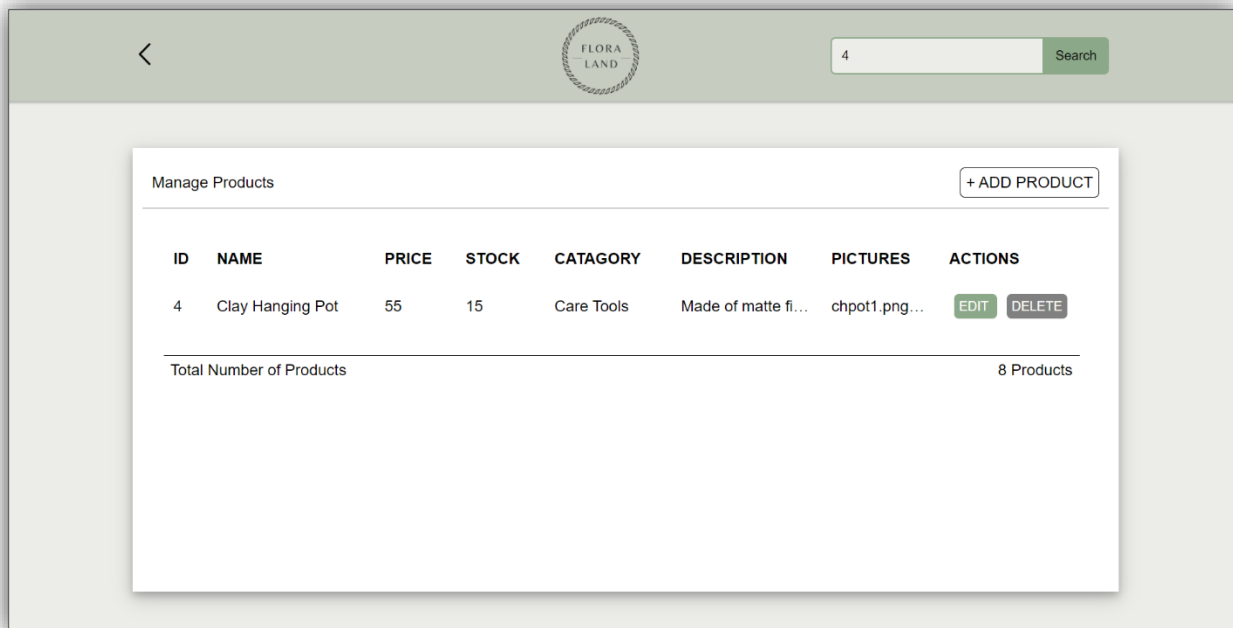


Figure 39: Search bar- Use Case 1

**Use Case 2:** The result of result of searching by the product name “Corby”.

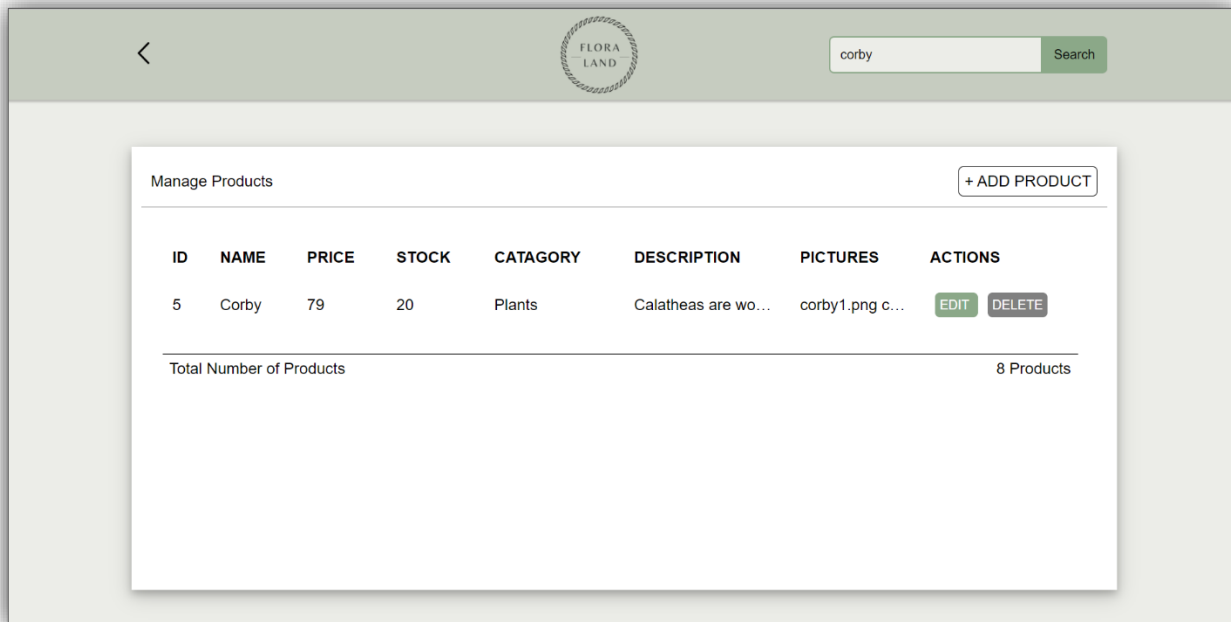


Figure 40: Search bar- Use Case 2

**Use Case 3:** The result of searching by category that is “Plants”.

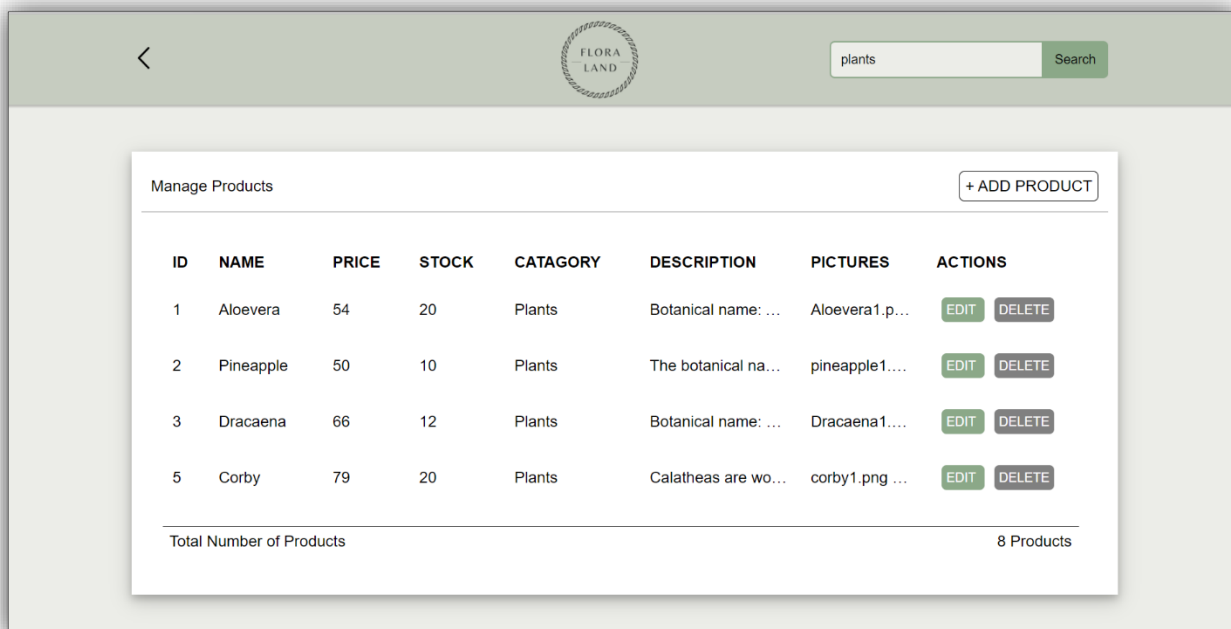
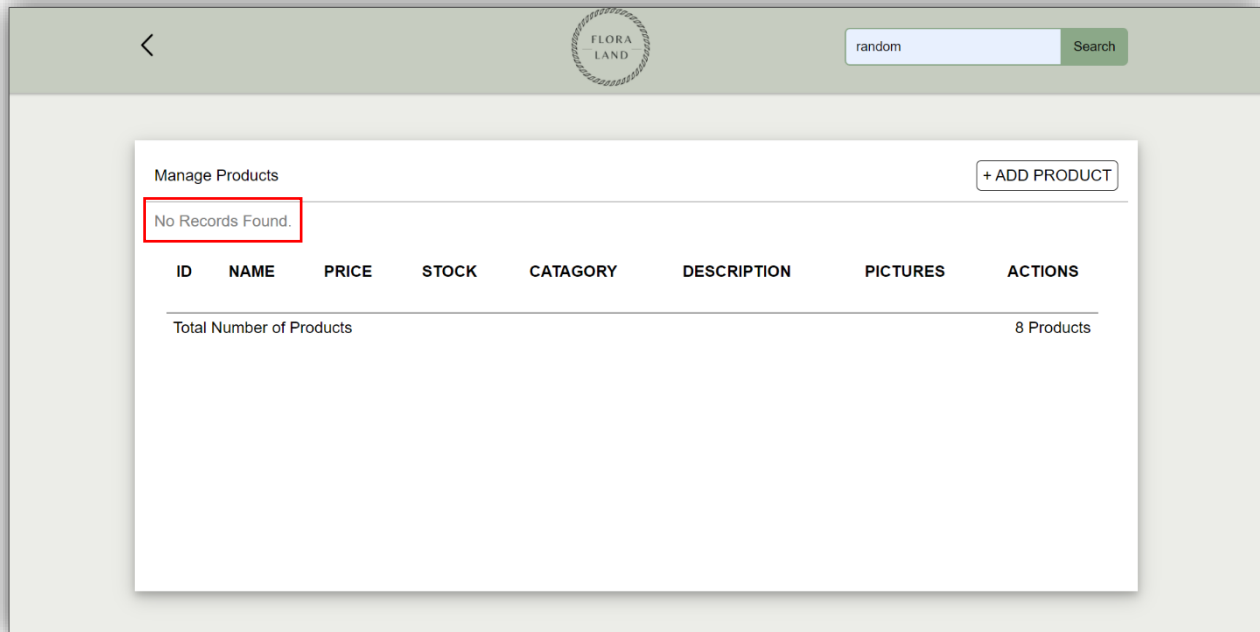


Figure 41: Search bar- Use Case 3

**Use Case 4:** The result of searching something random (Doesn't meet the search criteria or doesn't exist in the database).



*Figure 42: Search Bar- Use Case 4*

## 2. Adding Products

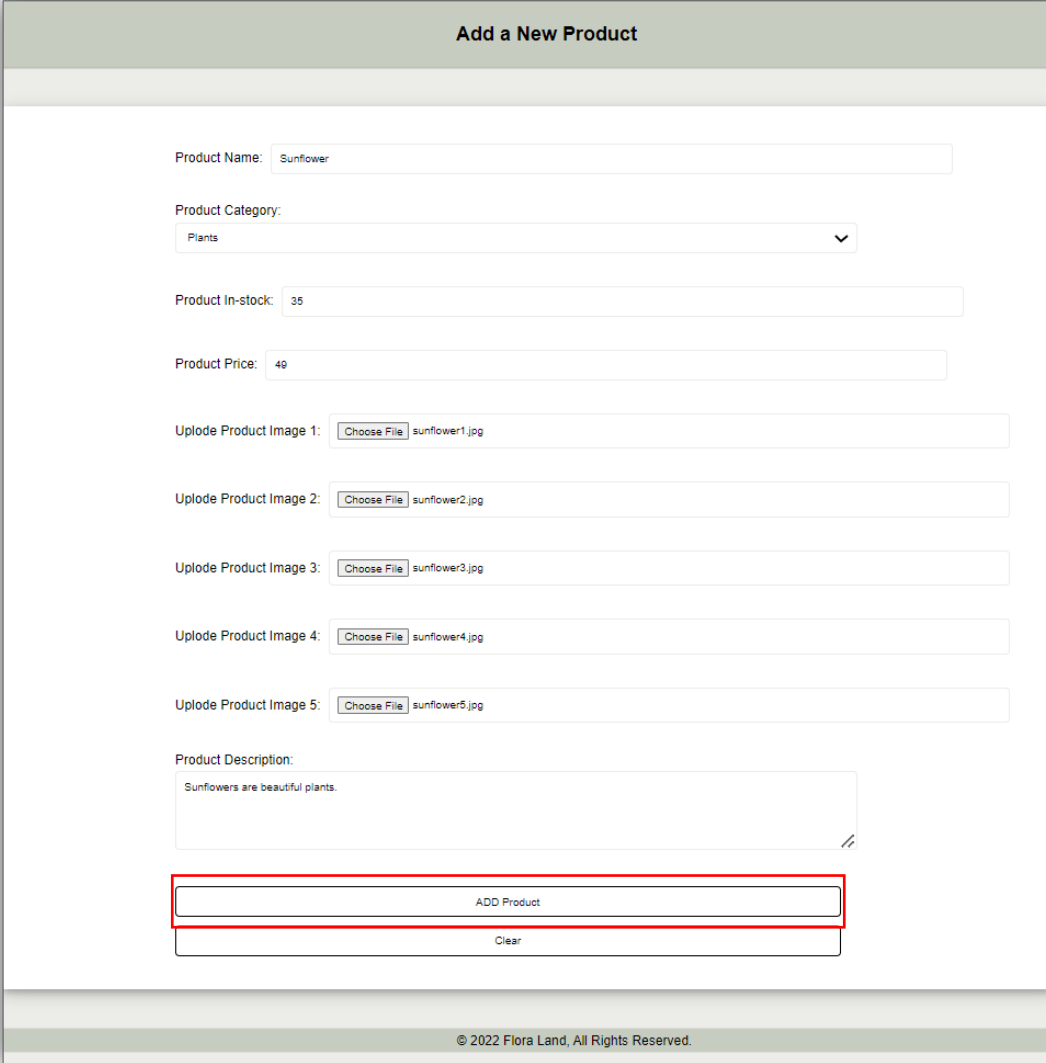
**Use Case 1:** The admin tries to add a product with empty fields and the interface will prompt the following error messages to the admin to fill the fields properly as shown in Figure (43).

The screenshot shows a web form for adding a product. It contains several input fields, each followed by a red error message indicating it is required and cannot be empty.

- Product Name:** A text input field with the placeholder "Type a product name...". Below it is the error message: *\*The Product Name Cannot Be Blank. Please Fill This Field.*
- Product Price:** A text input field with the placeholder "Type a price...". Below it is the error message: *\*Product Price Cannot Be 0. Please Fill This Field.*
- Product Category:** A dropdown menu with the placeholder "-- Select an Option --". Below it is the error message: *\*A Product Category Must Be Selected.*
- Product In-stock:** A text input field with the placeholder "Type a number...". Below it is the error message: *\*Product Stock Cannot Be 0. Please Fill This Field.*
- Uplode Product Image 1:** A file upload area with a "Choose File" button and the text "No file chosen". Below it is the error message: *\*Product Image 1 Cannot Be Empty.*
- Product Description:** A large text area with the placeholder "Type a description for the product...". Below it is the error message: *\*Product Description Cannot Be Blank. Please Fill This Field.*

Figure 43: Adding products- Use Case 1

**Use Case 2:** Admin adds a new product by filling correct data in the form. As the admin adds a new product in the database, it is visible to the customers in the All products interface.



**Add a New Product**

Product Name:

Product Category:

Product In-stock:

Product Price:

Uplode Product Image 1:

Uplode Product Image 2:

Uplode Product Image 3:

Uplode Product Image 4:

Uplode Product Image 5:

Product Description:

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*Figure 44: Adding Product- Use Case 2*

Clicking “ADD Product” will successfully add the new product record to the database and feedback will be displayed to the admin using sessions.

Manage Products

The Record Have been Added Successfully.

+ ADD PRODUCT

ID	NAME	PRICE	STOCK	CATAGORY	DESCRIPTION	PICTURES	ACTIONS
1	Aloevera	54	20	Plants	Botanical name: Aloe ...	Aloevera1.png ...	EDIT DELETE
2	Pineapple	50	10	Plants	The botanical name o...	pineapple1.png ...	EDIT DELETE
3	Dracaena	66	12	Plants	Botanical name: Drac...	Dracaena1.png ...	EDIT DELETE
4	Clay Hanging Pot	55	15	Care Tools	Made of matte fibrecl...	chpot1.png chp...	EDIT DELETE
5	Corby	79	20	Plants	Calatheas are wonder...	corby1.png cor...	EDIT DELETE
6	Plant Gude1	15	20	Care Tools	A fun, gifty guide to gr...	PGuide11.png ...	EDIT DELETE
7	Plant Guide 2	20	20	Care Tools	Discover everything y...	PGuide21.png ...	EDIT DELETE
8	Scissors	35	20	Care Tools	Every plant parent ne...	sce1.png sce2....	EDIT DELETE
9	Sunflower	49	35	Plants	Sunflowers are beauti...	sunflower1.jpg ...	EDIT DELETE

Total Number of Products 9 Products

Figure 45: Product added successfully

**Use Case 3:** Clicking “Clear” button will prompt the admin to confirm their desire to clear/reset the values filled in the form.

localhost says

Are you sure you want to clear?

OK Cancel

Product Category: Plants

Product In-stock: 35

Product Price: 49

Upload Product Image 1: Choose File sunflower1.jpg

Upload Product Image 2: Choose File sunflower2.jpg

Upload Product Image 3: Choose File sunflower3.jpg

Upload Product Image 4: Choose File sunflower4.jpg

Upload Product Image 5: Choose File sunflower5.jpg

Product Description: Sunflowers are beautiful plants.

ADD Product

Clear

Figure 46: Adding product- Use Case 3



### 3. Editing Products

The edit form displays the data that exists in the database currently. Admins have the authority/privilege to update this data using the edit form. All fields must be filled in the edit form for the product. Otherwise, an error message will be displayed to the admin.

The screenshot shows a web form titled "Edit a Product" with a light green header. The form contains the following fields and controls:

- Product Name:** A text input field containing "Sunflower".
- Product Category:** A dropdown menu with "Plants" selected and a downward arrow.
- Product In-stock:** A text input field containing "35".
- Product Price:** A text input field containing "49".
- Update Product Image 1:** A file upload control with a "Choose File" button and the text "No file chosen". Below it is the filename "sunflower1.jpg".
- Update Product Image 2:** A file upload control with a "Choose File" button and the text "No file chosen". Below it is the filename "sunflower2.jpg".
- Update Product Image 3:** A file upload control with a "Choose File" button and the text "No file chosen". Below it is the filename "sunflower3.jpg".
- Update Product Image 4:** A file upload control with a "Choose File" button and the text "No file chosen". Below it is the filename "sunflower4.jpg".
- Update Product Image 5:** A file upload control with a "Choose File" button and the text "No file chosen". Below it is the filename "sunflower5.jpg".
- Product Description:** A text area containing "Sunflowers are beautiful plants." with a small icon in the bottom right corner.
- Update:** A wide button at the bottom of the form.

Figure 47: Edit product

**Use Case 1:** The admin changed the product stock value from 35 to 56, the price from 49 to 40, and the description from “Sunflowers are beautiful plants.” to “Sunflowers are beautiful plants. Their color is yellow.” The changes are reflected successfully as shown in the Figures (48) (49) below.

The screenshot displays the 'Edit a Product' form for a product named 'Sunflower'. The form includes fields for Product Name, Product Category, Product In-stock, Product Price, and Product Description. The 'Product In-stock' field is updated to 56, the 'Product Price' field is updated to 40, and the 'Product Description' field is updated to 'Sunflowers are beautiful plants. Their color is yellow.' The form also features five 'Update Product Image' sections, each with a 'Choose File' button and a 'No file chosen' status. The 'Update' button is located at the bottom of the form. The footer of the form indicates '© 2022 Flora Land, All Rights Reserved.'

Edit a Product	
Product Name:	Sunflower
Product Category:	Plants
Product In-stock:	56
Product Price:	40
Update Product Image 1:	<input type="button" value="Choose File"/> No file chosen sunflower1.jpg
Update Product Image 2:	<input type="button" value="Choose File"/> No file chosen sunflower2.jpg
Update Product Image 3:	<input type="button" value="Choose File"/> No file chosen sunflower3.jpg
Update Product Image 4:	<input type="button" value="Choose File"/> No file chosen sunflower4.jpg
Update Product Image 5:	<input type="button" value="Choose File"/> No file chosen sunflower5.jpg
Product Description:	Sunflowers are beautiful plants. Their color is yellow.
<input type="button" value="Update"/>	
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Figure 48: Edit Product- Use Case 1

Manage Products The Record Have been Updated Successfully. [+ ADD PRODUCT](#)

ID	NAME	PRICE	STOCK	CATAGORY	DESCRIPTION	PICTURES	ACTIONS
1	Aloevera	54	20	Plants	Botanical name: Aloe b...	Aloevera1.png Al...	<a href="#">EDIT</a> <a href="#">DELETE</a>
2	Pineapple	50	10	Plants	The botanical name of ...	pineapple1.png p...	<a href="#">EDIT</a> <a href="#">DELETE</a>
3	Dracaena	66	12	Plants	Botanical name: Draca...	Dracaena1.png ...	<a href="#">EDIT</a> <a href="#">DELETE</a>
4	Clay Hanging Pot	55	15	Care Tools	Made of matte fibreclay,...	chpot1.png chpot...	<a href="#">EDIT</a> <a href="#">DELETE</a>
5	Corby	79	20	Plants	Calatheas are wonderfu...	corby1.png corby...	<a href="#">EDIT</a> <a href="#">DELETE</a>
6	Plant Gude1	15	20	Care Tools	A fun, gifty guide to gro...	PGuide11.png P...	<a href="#">EDIT</a> <a href="#">DELETE</a>
7	Plant Guide 2	20	20	Care Tools	Discover everything yo...	PGuide21.png P...	<a href="#">EDIT</a> <a href="#">DELETE</a>
8	Scissors	35	20	Care Tools	Every plant parent need...	sce1.png sce2.p...	<a href="#">EDIT</a> <a href="#">DELETE</a>
9	Sunflower	40	56	Plants	Sunflowers are beautifu...	sunflower1.jpg su...	<a href="#">EDIT</a> <a href="#">DELETE</a>

Total Number of Products 9 Products

Figure 49: Edit Product successful

## 4. Deleting Products

Clicking on “Delete” button will prompt the user with a confirmation message if whether they are sure about deleting the record or not. If “OK” button is clicked, the record will be deleted successfully. If “Cancel” button is clicked the record will not be deleted.

localhost says  
Are you sure you want to delete this record?  
[OK](#) [Cancel](#)

Manage Products [+ ADD PRODUCT](#)

ID	NAME	PRICE	STOCK	CATAGORY	DESCRIPTION	PICTURES	ACTIONS
1	Aloevera	54	20	Plants	Botanical name: Aloe b...	Aloevera1.png Al...	<a href="#">EDIT</a> <a href="#">DELETE</a>
2	Pineapple	50	10	Plants	The botanical name of ...	pineapple1.png p...	<a href="#">EDIT</a> <a href="#">DELETE</a>
3	Dracaena	66	12	Plants	Botanical name: Draca...	Dracaena1.png ...	<a href="#">EDIT</a> <a href="#">DELETE</a>
4	Clay Hanging Pot	55	15	Care Tools	Made of matte fibreclay,...	chpot1.png chpot...	<a href="#">EDIT</a> <a href="#">DELETE</a>
5	Corby	79	20	Plants	Calatheas are wonderf...	corby1.png corby...	<a href="#">EDIT</a> <a href="#">DELETE</a>
6	Plant Gude1	15	20	Care Tools	A fun, gifty guide to gro...	PGuide11.png P...	<a href="#">EDIT</a> <a href="#">DELETE</a>
7	Plant Guide 2	20	20	Care Tools	Discover everything yo...	PGuide21.png P...	<a href="#">EDIT</a> <a href="#">DELETE</a>
8	Scissors	35	20	Care Tools	Every plant parent nee...	sce1.png sce2.p...	<a href="#">EDIT</a> <a href="#">DELETE</a>
16	Sunflower	40	56	Plants	Sunflowers are beautifu...	sunflower1.jpg su...	<a href="#">EDIT</a> <a href="#">DELETE</a>

Total Number of Products 9 Products

Figure 50: Deleting products