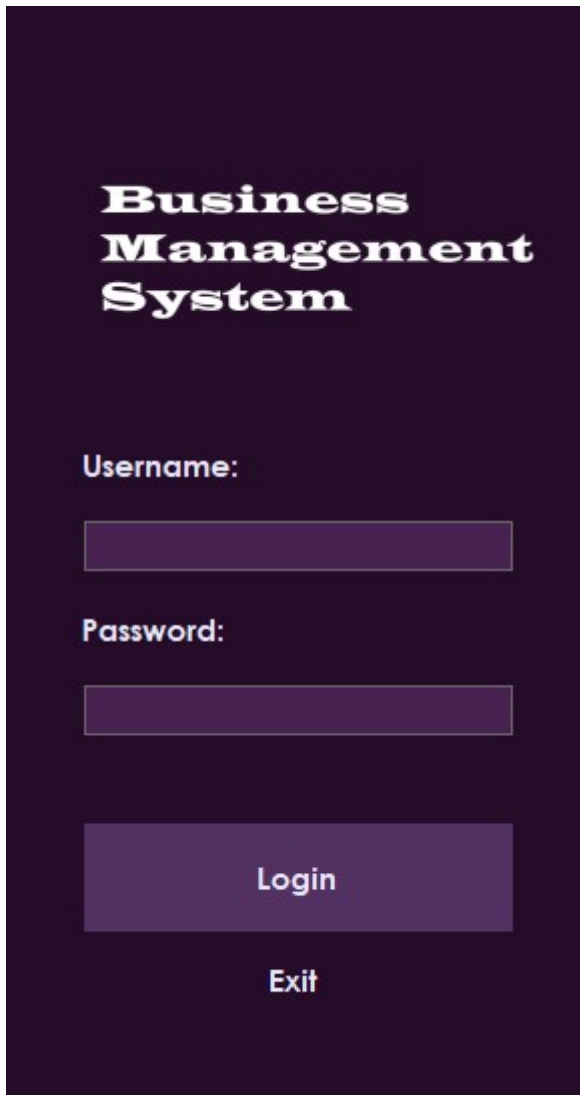


## Logging in:

By default, the User Credentials for the testing environment are left blank, which allows the user to access an administrator account.

Enter the desired user credentials and select “Login”.

The program stores and retrieves user credentials from the database. All passwords are hashed to prevent plaintext storage.



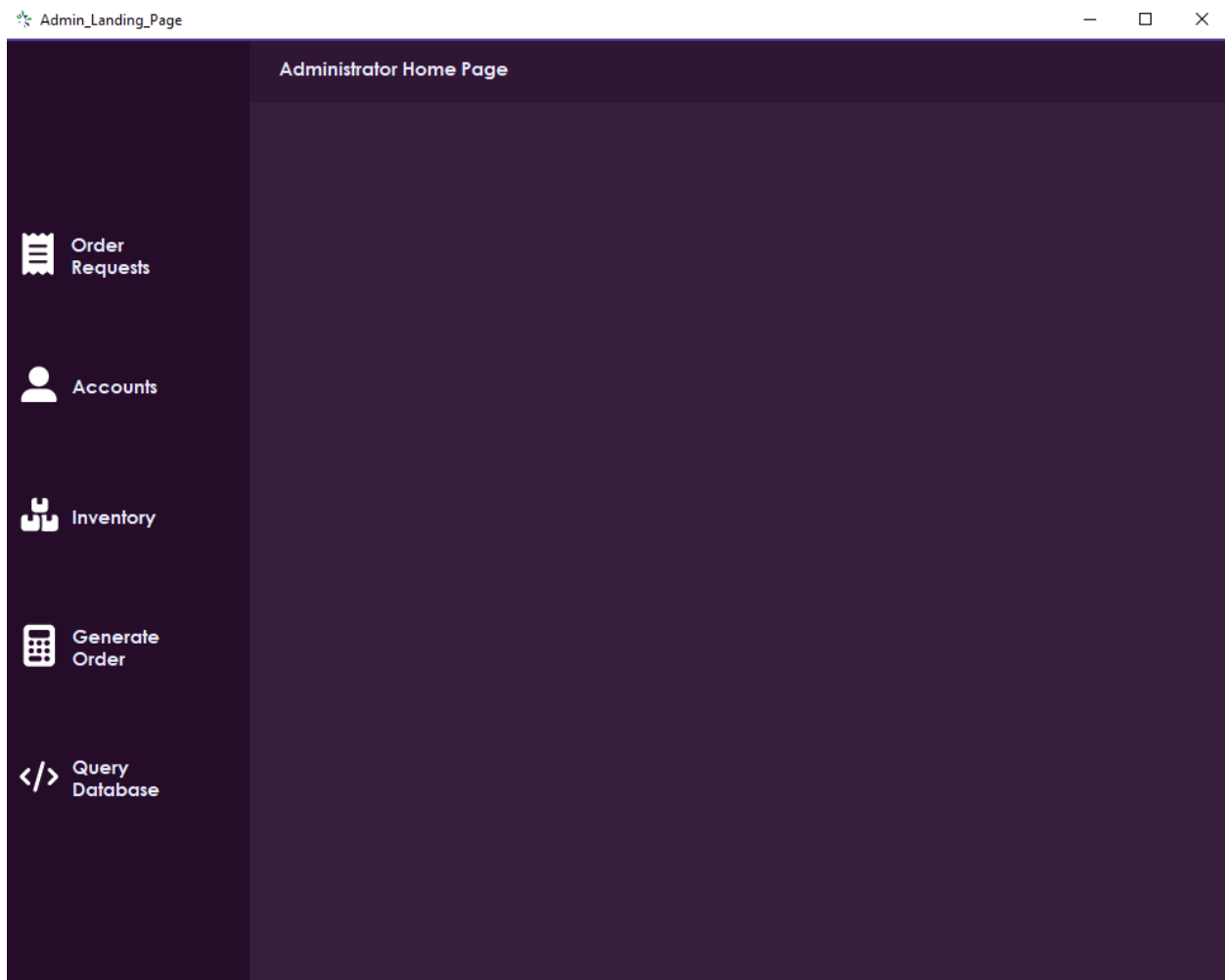
The image shows a terminal window with a dark purple background. At the top, the text "Business Management System" is displayed in a bold, white, serif font. Below this, the label "Username:" is followed by a white rectangular input field. Underneath the input field, the label "Password:" is followed by another white rectangular input field. At the bottom of the form, there is a large, light purple rectangular button with the word "Login" in white text. Below the button, the word "Exit" is written in white text.

If the selected account has Administrator privileges, they will see the Administrator Landing page. This page allows an Administrator to:

- View Order Reports
- Control User Access
- Manage Inventory
- Generate Orders
- Direct Query the Database. (Please note that this functionality has direct SQL Query capabilities and should be used with caution.)

If the user is not an admin, they will be taken to the Non-Administrator LandingPage, where they only have the ability to generate order requests.

If the login credentials are not found, the user will see an error message.



Inventory Calculator

Generate Order

Hello, John01

	Product ID	ItemName	ItemDescription	Available Stock	SellingPrice	Discount	Notes
>	PRD-1001	Dell Latitude 542...		11	1299.99		

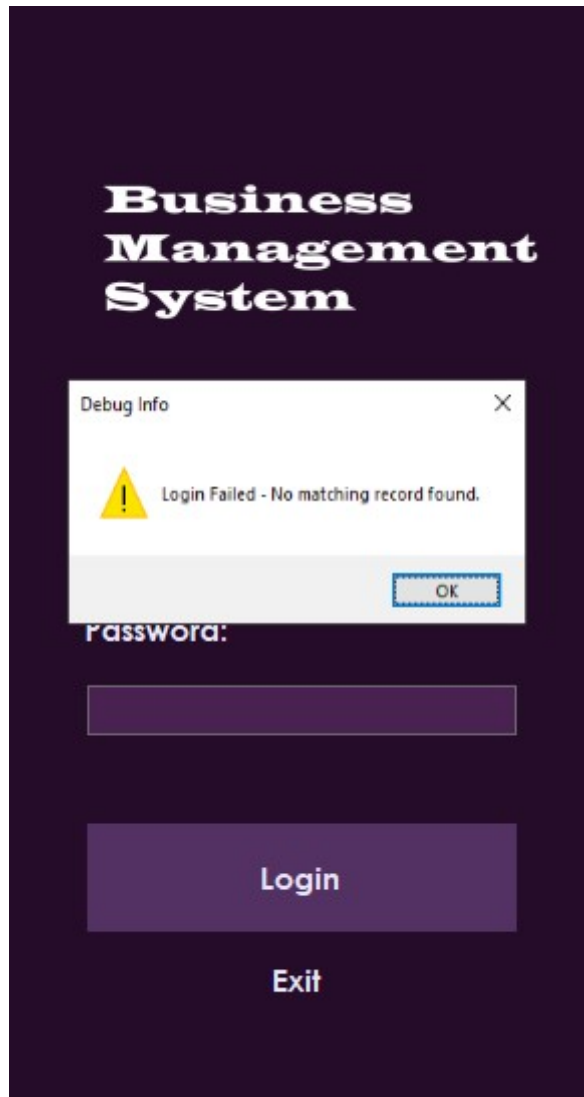
	Product ID	Item Name	Available	Cost	Amount Requested	Total Cost
--	------------	-----------	-----------	------	------------------	------------

<div>

Materials Estimate Will Generate Here

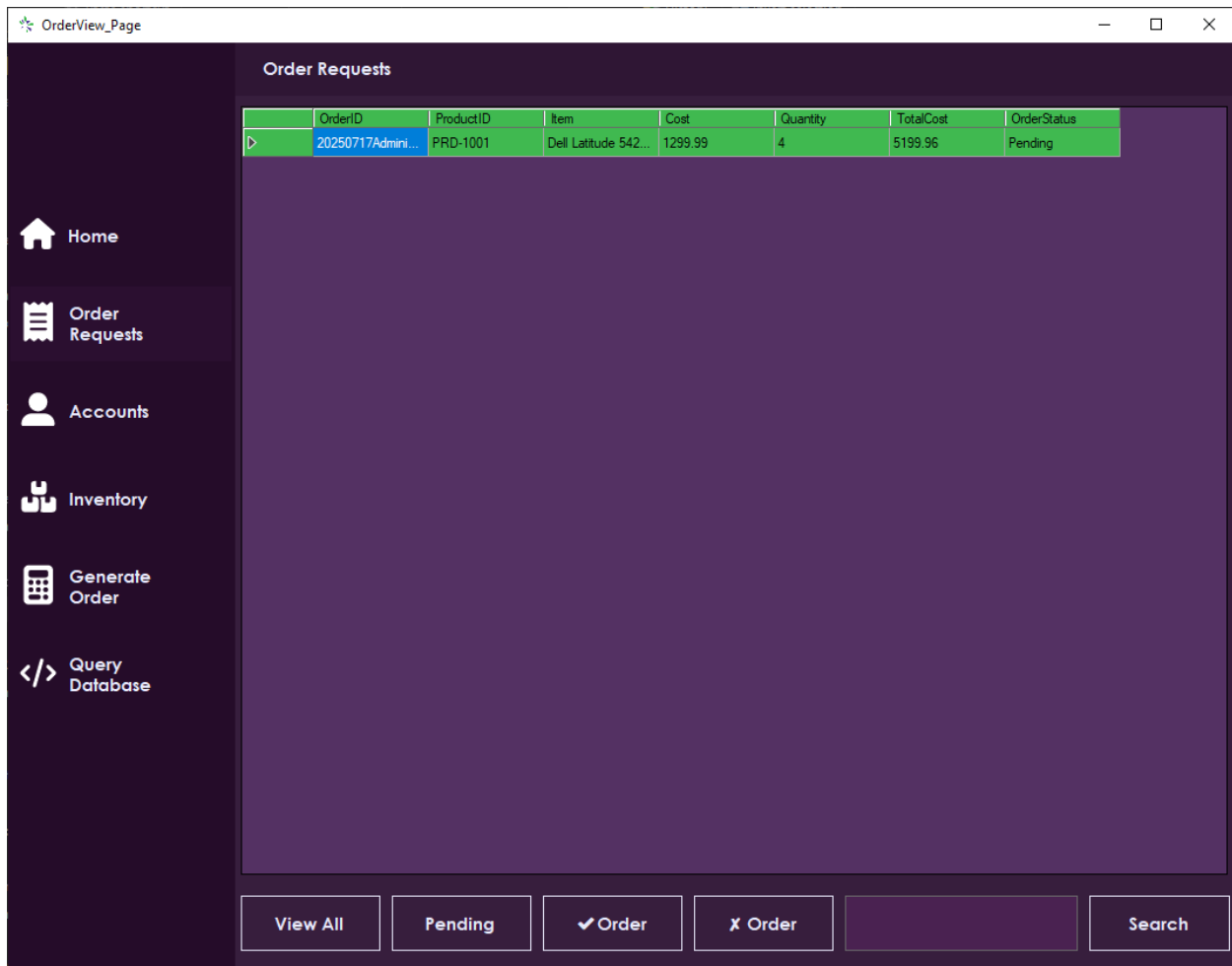
Clear Current Calculator

Submit Order



## View Order Reports

Selecting the “View Order Reports” Button on the Administrator Landing Screen will take the user to a page that will allow them to view all orders in the system. By default, the screen will open to show all orders with Pending status, but by pressing the “View All” button, a user can view the full list of orders.



The screenshot shows a web application window titled "OrderView\_Page". On the left is a dark sidebar with navigation icons and labels: Home, Order Requests, Accounts, Inventory, Generate Order, and Query Database. The main content area is titled "Order Requests" and displays a table with the following data:

OrderID	ProductID	Item	Cost	Quantity	TotalCost	OrderStatus
20250717Admini...	PRD-1001	Dell Latitude 542...	1299.99	4	5199.96	Pending

Below the table is a large empty purple rectangular area. At the bottom of the main content area is a control bar with buttons: "View All", "Pending", "✓ Order", "✗ Order", an empty text input field, and a "Search" button.

If the OrderID is known, users can also use the “Search” bar in the bottom right. By typing a specific OrderID and hitting Search, the view will isolate only the specified order. Order IDs will be discussed in [Generate Order]. Note that at any time, the user can use the “Home” button to return to the Administrator Landing Page.

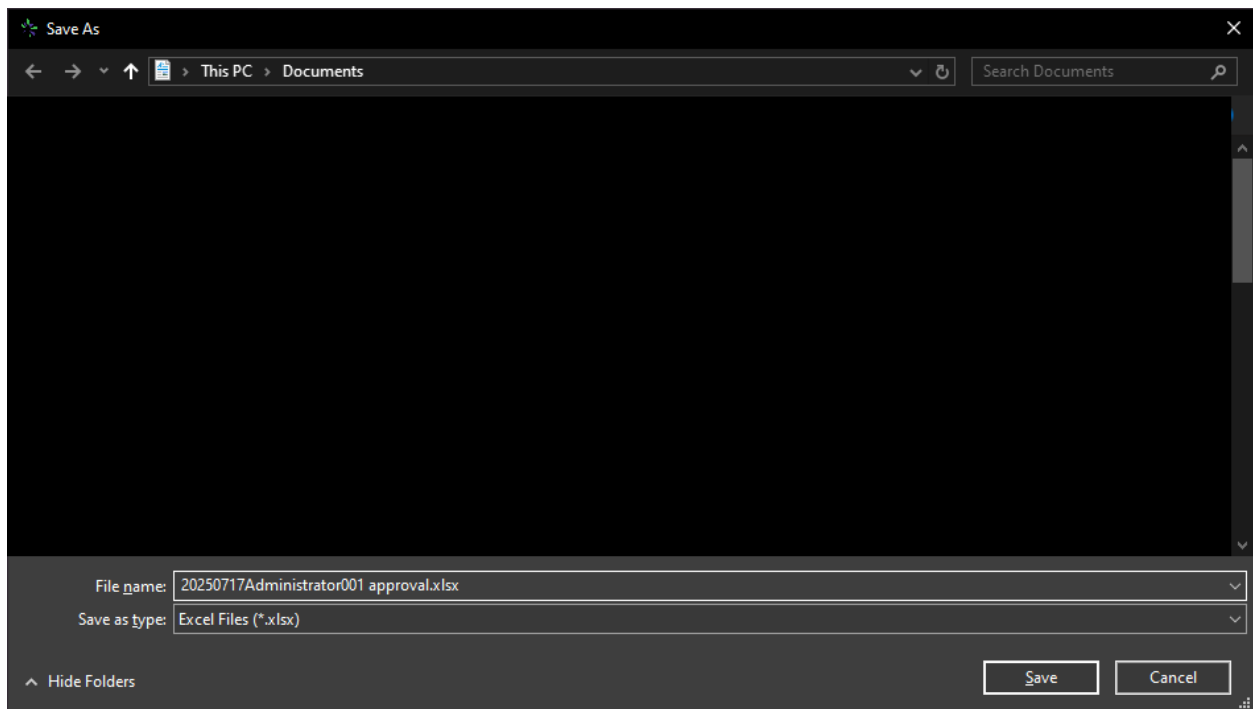
## Order Approval Process

- Step 1: User double click OrderID to select an order.
- Step 2: User selects the Approve Order Button (Check Mark dictates approve)
- Step 3: User is met with save document window
  - Select location to save the folder
- Step 4: Open the downloaded excel document to ensure the data is correct

The screenshot displays the 'OrderView\_Page' application window. On the left is a dark sidebar with navigation icons and labels: Home, Order Requests, Accounts, Inventory, Generate Order, and Query Database. The main area is titled 'Order Requests' and contains a table with the following data:

OrderID	ProductID	Item	Cost	Quantity	TotalCost	OrderStatus
20250717Admini...	PRD-1001	Dell Latitude 542...	1299.99	4	5199.96	Pending

Below the table is a large empty purple area. A 'Success' dialog box is open in the center-right, displaying the message: 'Order approved and inventory updated successfully.' with an 'OK' button. At the bottom of the application window, there is a row of buttons: 'View All', 'Pending', '✓ Order', 'X Order', a search input field, and a 'Search' button.



## Order Rejection Process

- Step 1: User double clicks order ID to select an order request
- Step 2: User clicks Deny order button (dictated by X Order)
- Step 3: User clicks view all to ensure the order has been rejected

The screenshot displays the 'OrderView\_Page' application window. On the left is a dark sidebar with navigation icons and labels: Home, Order Requests, Accounts, Inventory, Generate Order, and Query Database. The main area is titled 'Order Requests' and contains a table with the following data:

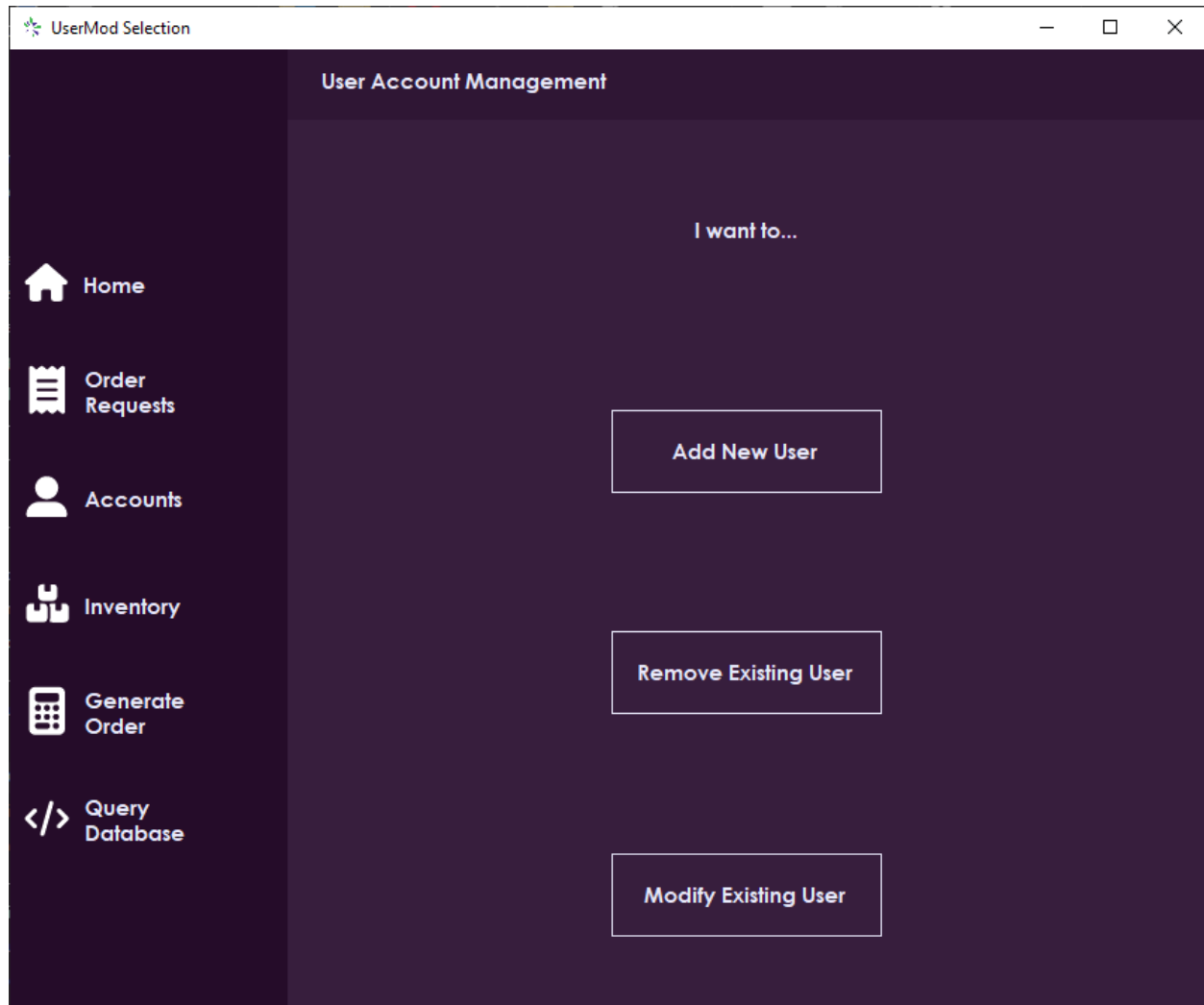
	OrderID	ProductID	Item	Cost	Quantity	TotalCost	OrderStatus
▶	20250717Admini...	PRD-1001	Dell Latitude 542...	1299.99	4	5199.96	Pending

Below the table is a large empty purple area. At the bottom of the main area are buttons: 'View All', 'Pending', '✓ Order', 'X Order', and a search bar with the label 'Search'. A 'Success' dialog box is open in the bottom right, displaying an information icon and the message 'Order status updated to 'Rejected''. An 'OK' button is at the bottom of the dialog.



## Control User Access (Register/Delete)

- Step 1: User selects Accounts on the left hand side of the screen and is met with the Account Manager Page



- Step 2: User selects “Add User” and enters in all required information.
- Step 3: User verifies email is available and passwords match before selecting register.

Registration Form

### User Registration

First Name	Last Name
<input type="text" value="John"/>	<input type="text" value="Doe"/>
Username	Phone Number
<input type="text" value="John01"/>	<input type="text" value="(000)123-4567"/>
Email	
<input type="text" value="jdoe@email.com"/>	
Please enter a strong password	
<input type="password" value="Password"/>	
Please confirm password	
<input type="password" value="Password"/>	
Passwords Match!	
<input type="button" value="Register"/>	

Home  
Order Requests  
Accounts  
Inventory  
Generate Order  
Query Database

Registration Form

### User Registration

First Name	Last Name
<input type="text" value="John"/>	<input type="text" value="Doe"/>
Username	Phone Number
<input type="text" value="John01"/> The Username 'John01' is already taken	<input type="text" value="(000)123-4567"/>
Email	
<input type="text" value="jdoe@email.com"/> The Email 'jdoe@email.com' is already taken	
Please enter a strong password	
<input type="password" value="password"/>	
Please confirm password	
<input type="password" value="password"/>	
Passwords Match!	
<input type="button" value="Register"/>	

Home  
Order Requests  
Accounts  
Inventory  
Generate Order  
Query Database

Registration Form

Home

Order Requests

Accounts

Inventory

Generate Order

Query Database

User Registration

First Name

John

Last Name

Doe

Username

John01

Phone Number

(000)123-4567

Email

jdoe@email.com

Please enter a strong password

TheseDont

Please confirm password

Match

Passwords Must Match!

Register

- Step 4: From the Accounts page, User selects Modify User

The screenshot shows a web application window titled 'ModifyDeleteUser\_Page'. The interface has a dark purple sidebar on the left with navigation links: Home (house icon), Order Requests (shopping cart icon), Accounts (person icon), Inventory (two people icon), Generate Order (calculator icon), and Query Database (code icon). The main content area is titled 'Modify or Delete User' and contains a form with the following fields: 'Username' (a single text input), a 'Modify User' button, a separator '~~~ or ~~~', 'First Name' and 'Last Name' (two side-by-side text inputs), and 'Email' (a single text input).

- Step 5: Ensure you are entering in valid information when searching for a user to modify.
- Step 6: Alter user information as required. Update passwords, usernames, emails, phone numbers, names, and admin status.

Modify\_Page

Home

Order Requests

Accounts

Inventory

Generate Order

Query Database

Update User Details

First Name

John

Last Name

Doe

Username

John01

Phone Number

(000)123-4567

Email

jdoo@email.com

Click here to enable ADMINISTRATOR priveleges for this account

☐ Administrator

You may leave this section blank if you do not wish to edit the current password

Enter New Password

Re-enter New Password

Update User

## Delete a user

- Step 1: From the accounts page, select Delete User.
- Step 2: Enter valid user credentials into the prompts and select delete user.

The screenshot shows a web application window titled 'ModifyDeleteUser\_Page'. The main content area is titled 'Modify or Delete User'. On the left is a dark sidebar with navigation links: Home, Order Requests, Accounts, Inventory, Generate Order, and Query Database. The main area contains a form with the following fields: Username (containing 'John01'), a separator '~~~ or ~~~', First Name, Last Name, and Email. A confirmation dialog box is open over the form, asking 'This will permanently delete user "John01". This action cannot be undone. Continue?' with 'OK' and 'Cancel' buttons. A 'Delete User' button is located at the bottom right of the form area.

ModifyDeleteUser\_Page

### Modify or Delete User

Username

John01

~~~ or ~~~

First Name

Last Name

Email

Confirm

This will permanently delete user "John01". This action cannot be undone. Continue?

OK Cancel

Delete User

- Step 3: Close the Success popup indicating the user has been successfully removed from the system.

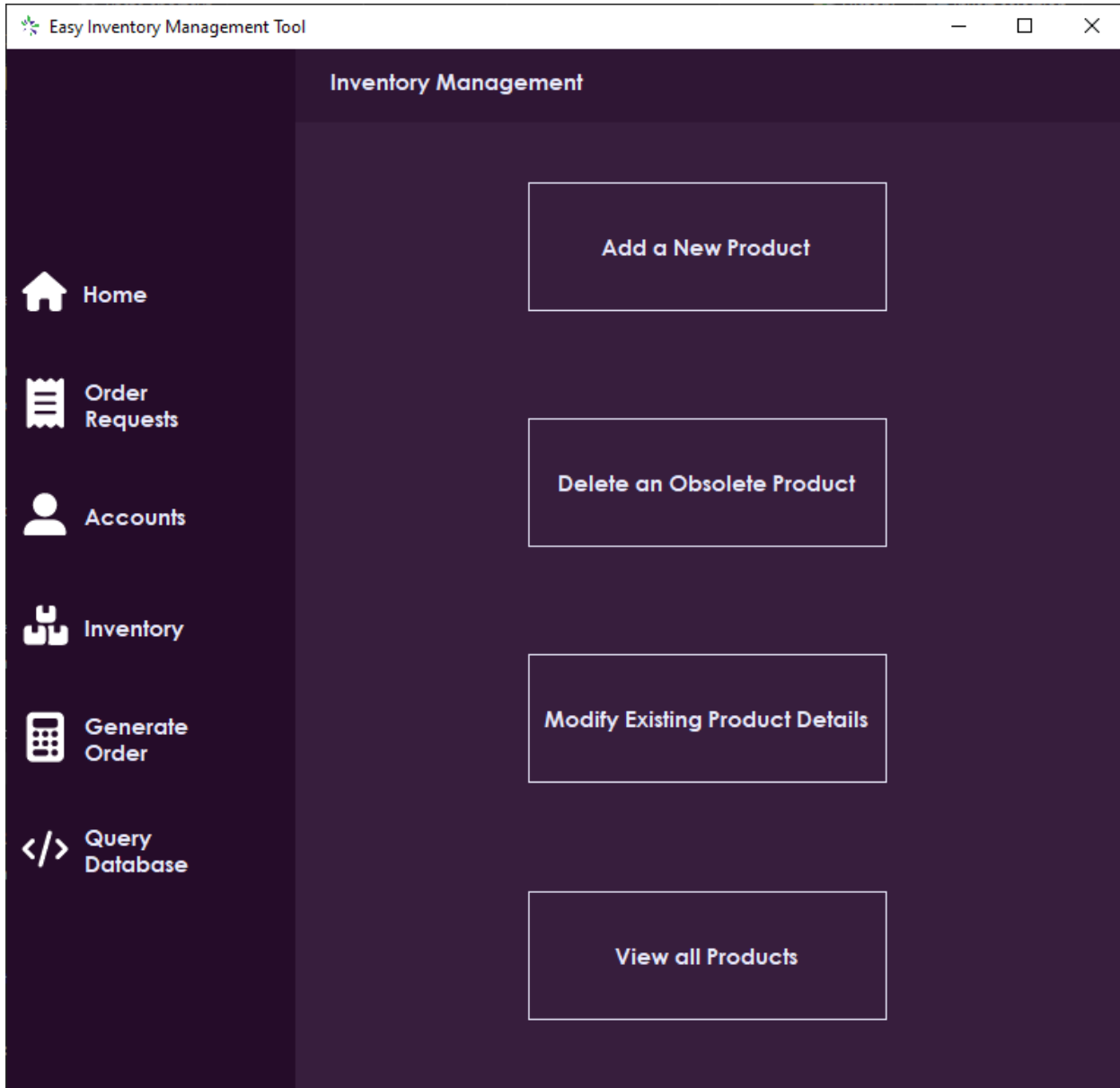
The screenshot displays a web application window titled "ModifyDeleteUser\_Page". The main content area is titled "Modify or Delete User". On the left, there is a dark sidebar with navigation links: "Home", "Order Requests", "Accounts", "Inventory", "Generate Order", and "Query Database". The main form contains the following fields:

- Username:** A text input field containing "John01".
- First Name:** An empty text input field.
- Last Name:** An empty text input field.
- Email:** An empty text input field.

Below the "Username" field, there is a label "~~~ or ~~~". A "Delete User" button is located at the bottom right of the form. A "Result" popup window is displayed in the center-right, showing a blue information icon and the message "User deleted successfully." with an "OK" button.

## Manage (Add/Remove/Edit) and View Inventory

- Step 1: Select the inventory menu from the left hand side of the program.





- Step 2: User selects view all products to see a comprehensive overview of the stock held within the system.

Item Details

| ProductID | SKU      | Barcode       | ItemName             | ItemDescription     | Category  | SubCategory | Manufacturer | Brand | ModelNumber | Supplier |
|-----------|----------|---------------|----------------------|---------------------|-----------|-------------|--------------|-------|-------------|----------|
| PRD-1001  | SKU-1001 | 0123456789012 | Dell Latitude 542... | Business laptop ... | Computers | Laptops     | Dell Inc.    | Dell  | LAT5420     | SUP...   |

Home  
Order Requests  
Accounts  
Inventory  
Generate Order  
Query Database

Add Item Update Item Delete Item Search

Options for the user here are: add item, update item, delete item, search for item

## Generate Order

- Step 1: User clicks “Generate Order” upon the left hand side of the screen and is navigated to the order generation screen

Inventory Calculator

### Generate Order

Hello,

|   | Product ID | ItemName             | ItemDescription | Available Stock | SellingPrice | Discount | Notes |
|---|------------|----------------------|-----------------|-----------------|--------------|----------|-------|
| > | PRD-1001   | Dell Latitude 542... |                 | 11              | 1299.99      |          |       |

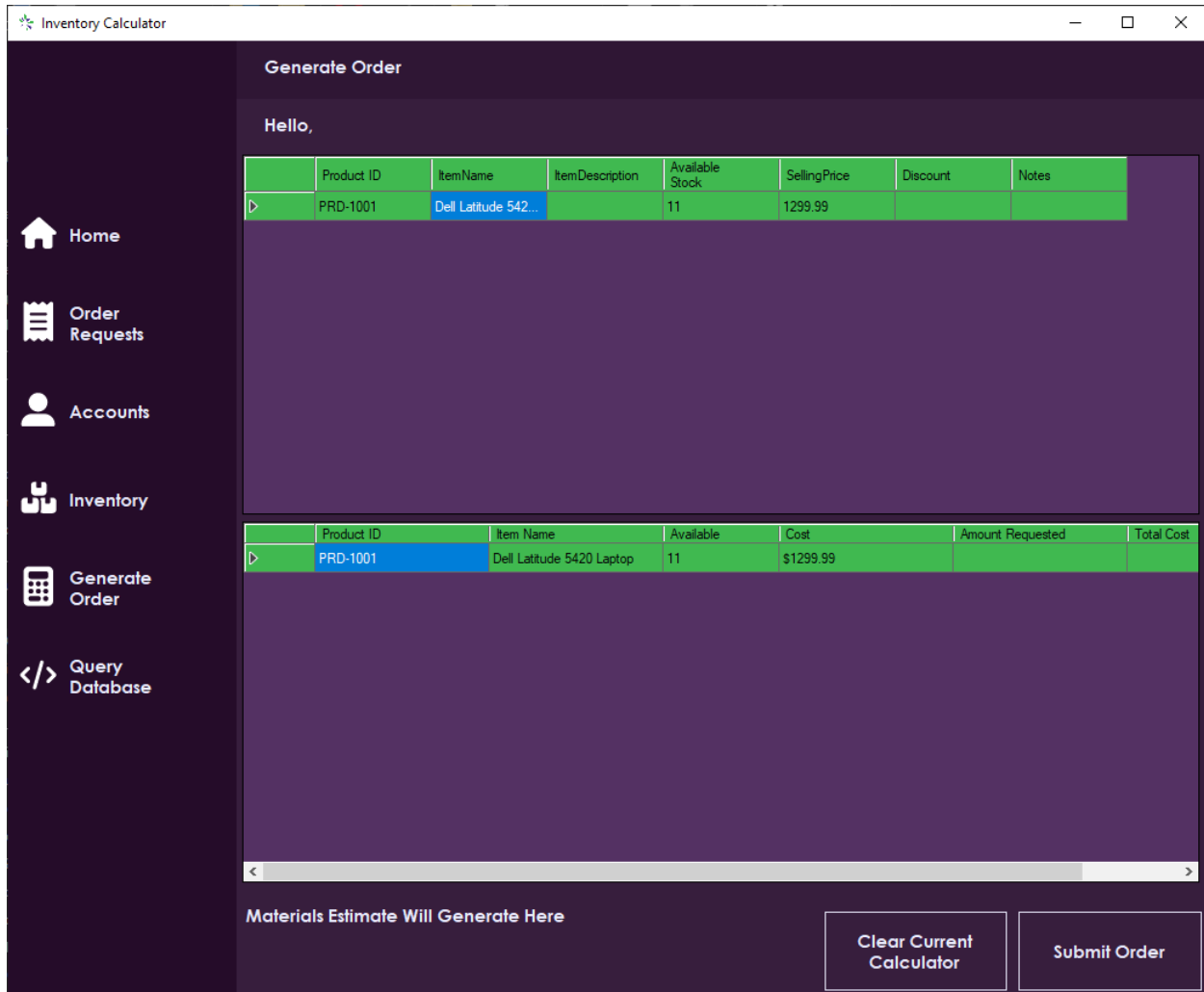
|  | Product ID | Item Name | Available | Cost | Amount Requested | Total Cost |
|--|------------|-----------|-----------|------|------------------|------------|
|--|------------|-----------|-----------|------|------------------|------------|

< >

Materials Estimate Will Generate Here

Clear Current Calculator Submit Order

- Step 2: User double clicks item listed in the top inventory table to select item for order.



The screenshot shows the 'Inventory Calculator' application window. The interface has a dark purple sidebar on the left with navigation icons and labels: Home, Order Requests, Accounts, Inventory, Generate Order (active), and Query Database. The main content area is titled 'Generate Order' and includes a 'Hello,' greeting. It features two tables. The top table, 'Inventory', has columns: Product ID, ItemName, ItemDescription, Available Stock, SellingPrice, Discount, and Notes. The bottom table, 'Order', has columns: Product ID, Item Name, Available, Cost, Amount Requested, and Total Cost. The item 'Dell Latitude 5420 Laptop' (Product ID: PRD-1001) is selected in both tables. At the bottom right, there are two buttons: 'Clear Current Calculator' and 'Submit Order'.

|   | Product ID | ItemName             | ItemDescription | Available Stock | SellingPrice | Discount | Notes |
|---|------------|----------------------|-----------------|-----------------|--------------|----------|-------|
| > | PRD-1001   | Dell Latitude 542... |                 | 11              | 1299.99      |          |       |

|   | Product ID | Item Name                 | Available | Cost      | Amount Requested | Total Cost |
|---|------------|---------------------------|-----------|-----------|------------------|------------|
| > | PRD-1001   | Dell Latitude 5420 Laptop | 11        | \$1299.99 |                  |            |

Materials Estimate Will Generate Here

Clear Current Calculator Submit Order

- Step 3: The item selected by the user will populate in the bottom table.

- Step 4: User enters an integer less than or equal to the “available” value in the “Amount Requested” field. The calculator will tally the total cost per item and the total materials cost for the order.

The screenshot shows the 'Inventory Calculator' application window. The left sidebar contains navigation icons for Home, Order Requests, Accounts, Inventory, Generate Order (active), and Query Database. The main content area is titled 'Generate Order' and displays a 'Hello,' message. Below the message are two tables. The first table has columns: Product ID, ItemName, ItemDescription, Available Stock, SellingPrice, Discount, and Notes. It contains one row with Product ID 'PRD-1001', ItemName 'Dell Latitude 542...', Available Stock '11', and SellingPrice '\$1299.99'. The second table has columns: Product ID, Item Name, Available, Cost, Amount Requested, and Total Cost. It contains one row with Product ID 'PRD-1001', Item Name 'Dell Latitude 5420 Laptop', Available '11', Cost '\$1299.99', Amount Requested '4', and Total Cost '\$199.96'. At the bottom, a status bar shows 'Total Materials cost for current job = \$5199.96' and two buttons: 'Clear Current Calculator' and 'Submit Order'.

| Product ID | ItemName             | ItemDescription | Available Stock | SellingPrice | Discount | Notes |
|------------|----------------------|-----------------|-----------------|--------------|----------|-------|
| PRD-1001   | Dell Latitude 542... |                 | 11              | \$1299.99    |          |       |

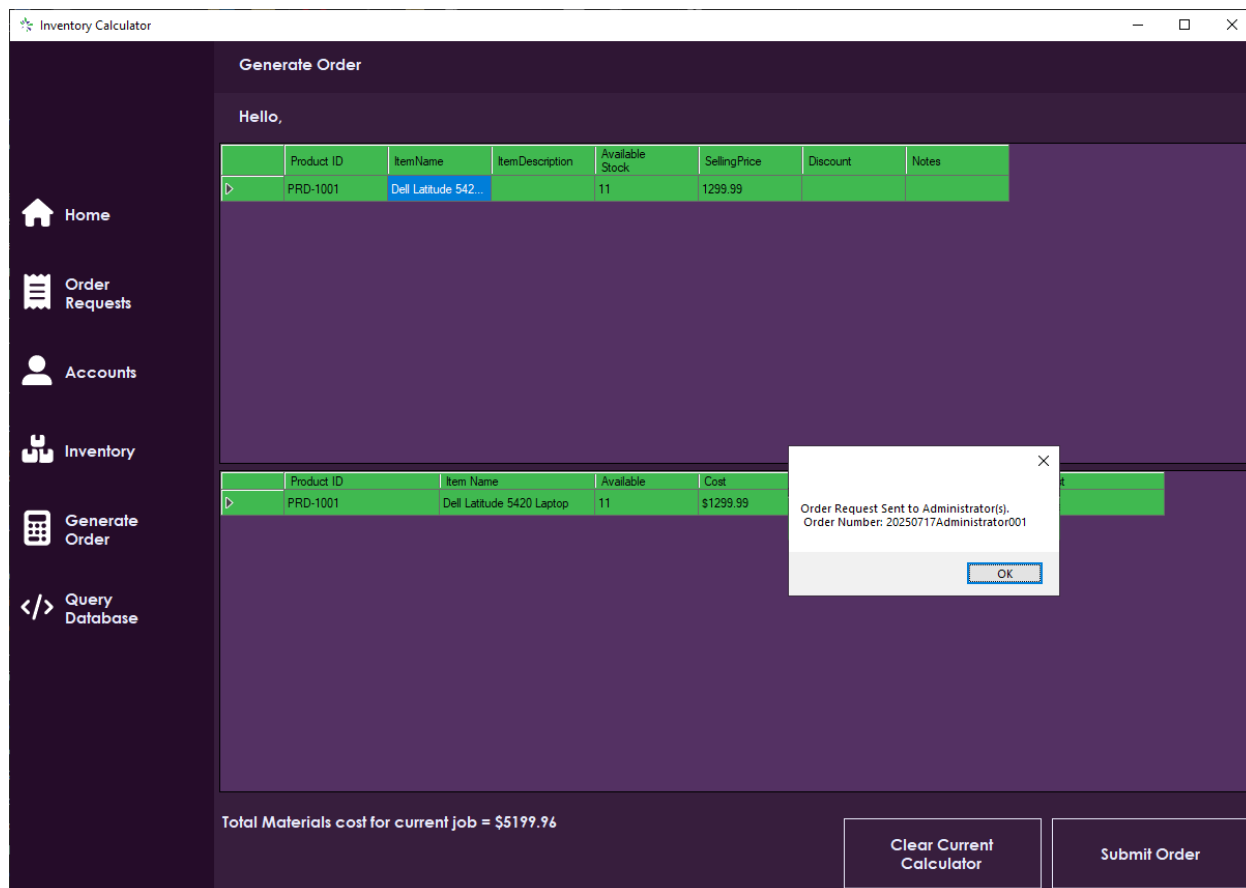
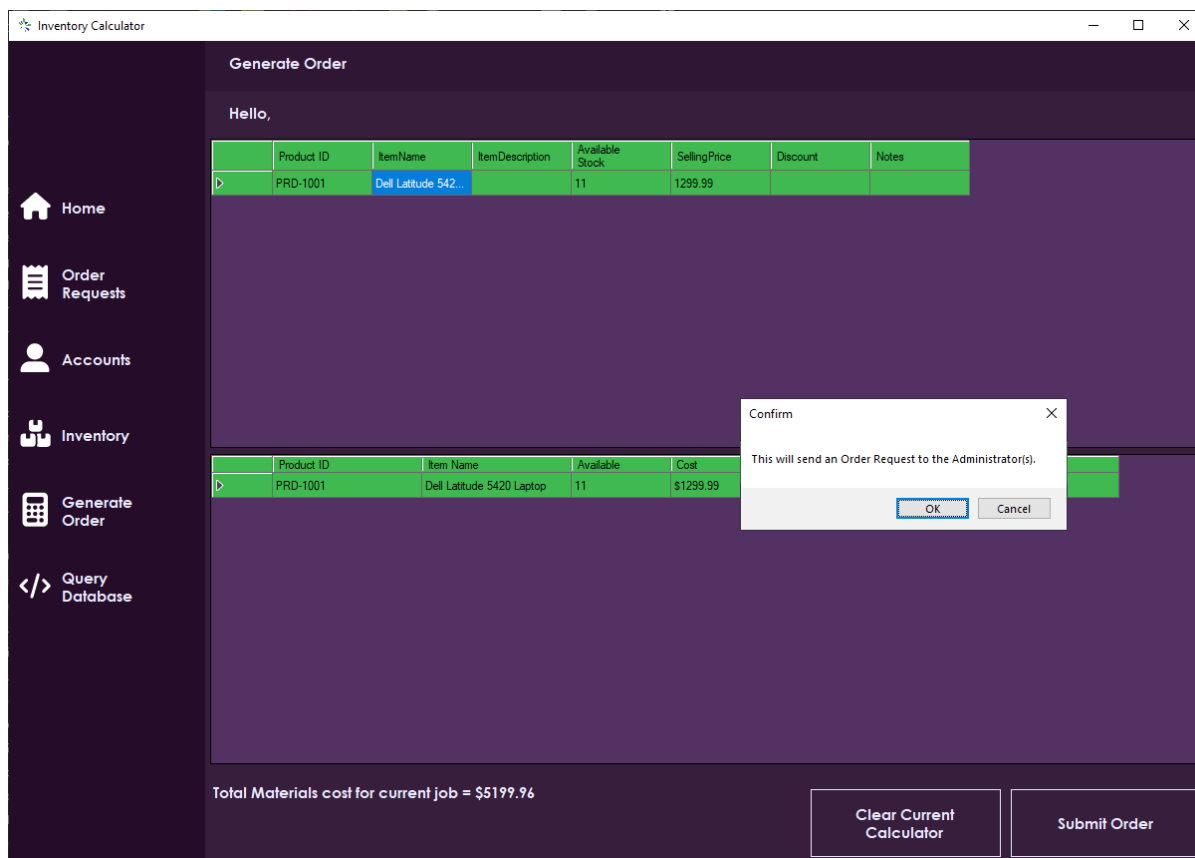
  

| Product ID | Item Name                 | Available | Cost      | Amount Requested | Total Cost |
|------------|---------------------------|-----------|-----------|------------------|------------|
| PRD-1001   | Dell Latitude 5420 Laptop | 11        | \$1299.99 | 4                | \$199.96   |

Total Materials cost for current job = \$5199.96

Clear Current Calculator Submit Order

- Step 5: User clicks “Submit Order” button and is met with a pop up confirming the order was sent. Press OK.



The Order ID is set to generate automatically based on the User. The ID will be generated using the following pattern: “Date in YYYYMMDD format” + “Username” + “Iterating number based on previous orders that day”. In the example, the Order Number was:

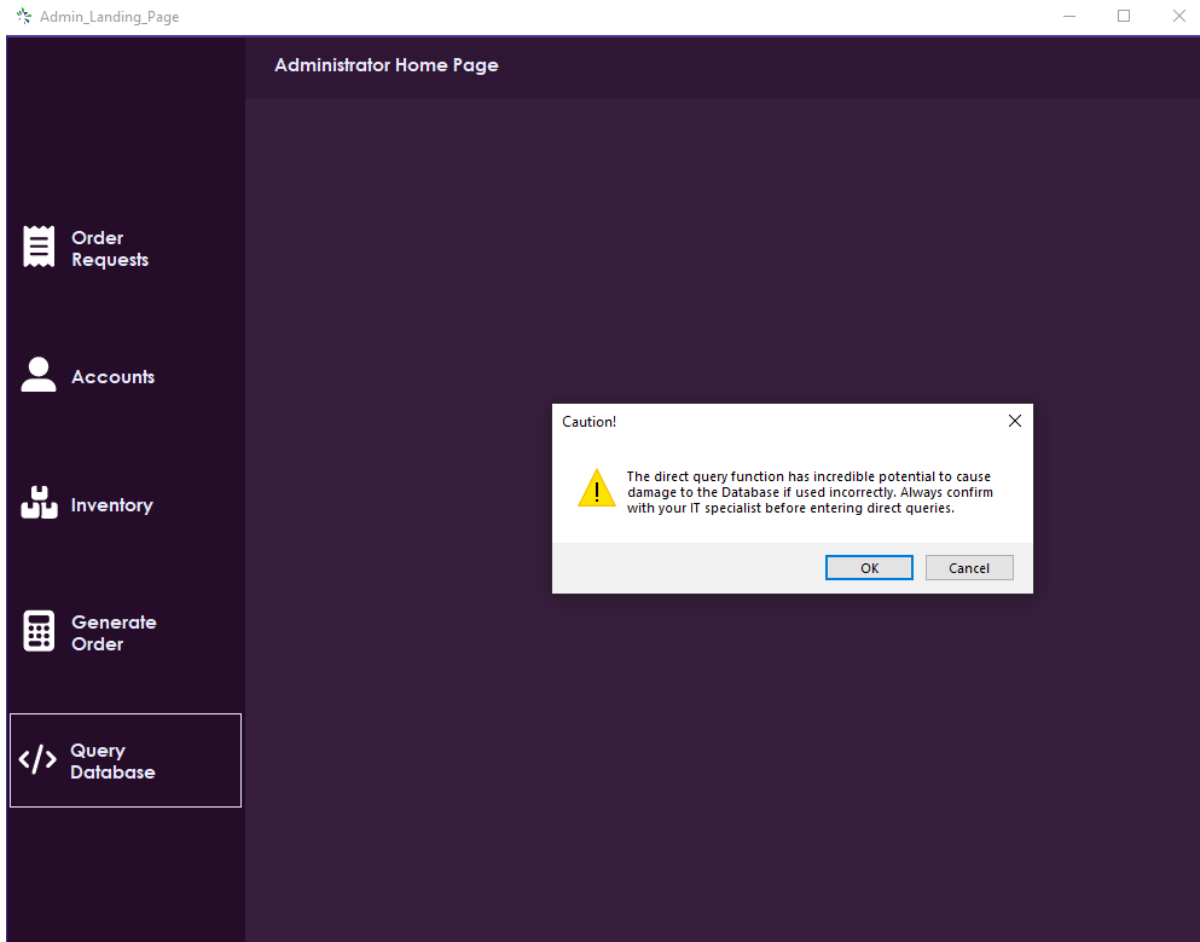
*20250717Administrator001*

...meaning that this order was placed on July 17, 2025 by Administrator, and is their 1st order that day.

## Direct Query Database

Note that the direct query function has incredible potential to cause damage to the Database if used incorrectly. Always confirm with your IT specialist before entering direct queries.

- Step 1: User selects Query Database and is met with the warning screen



- Step 2: User presses OK and is taken to the query function
- Step 3: User enters in SQL Query to directly query the database and selects execute query to run it.

Form2

Home

Order Requests

Accounts

Inventory

Generate Order

Query Database

Direct Query Database

```
select * from inventory
```

Execute Query

Query executed successfully.

|   | ProductID | SKU      | Barcode   |
|---|-----------|----------|-----------|
| ▶ | PRD-1001  | SKU-1001 | 012345678 |
|   | PRD-1002  | SKU-1002 | 012345678 |
|   | PRD-1003  | SKU-1003 | 012345678 |
|   | PRD-1004  | SKU-1004 | 012345678 |
|   | PRD-1005  | SKU-1005 | 012345678 |
| ⊕ |           |          |           |



## Function: FULLRESET

The Database demo includes a direct query shortcut function to fully reset the database back to the original values. This will clear all entries, including inventory items and user data.

To access this feature, type “FULLRESET” into the query field, and acknowledge the warning indicating that this process is not reversible.

