CSIT 337_01 Semester Project Report

Anthony Rocha

7 May 2022

Team Meetings Sheet

I worked independently on this project. We had brief correspondence on April 8th about forming a group with another partner. Sadly, this did not work out well and we had to part ways. Luckily, I had begun developing my own project before and during this period (April 8th to the present) as a safeguard in case the collaboration did not work out. Hence, it ended up working out, despite the inner-group conflict. Since the meetings I had with my former partner are not relevant to this current project (as we were planning to submit an entirely different website), I have omitted that discussion from this write-up.

Contribution Sheet

Anthony Rocha: HTML, CSS, PHP, and SQL programming; accompanying documentation and Powerpoint presentation.

Logins for existing accounts (also found in “README.txt”):

Admin account login:

username: rochaanthony35
password: Baseball97

Customer account login:

username: johndoe
password: password1

Configuration (also found in “config.php” in the source code folder):

server name: localhost
database username: anthonyrochadatabase
database password: DoZ{@*_&V!X4
database name: anthonyrochadatabase

Project Summary

The goal of this project was to design an e-commerce website for a fictional pharmaceutical company, named “Pharma.” There are two views, depending on the user type: the administrator view and the customer view. The customer may add items in the company’s inventory to their cart, after which they may input their address and payment information to complete the purchase. The payment component is a dummy model; though it stores payment information in the database, it is not actually verifiable by any financial institution, and therefore, it is purely for demonstration purposes.

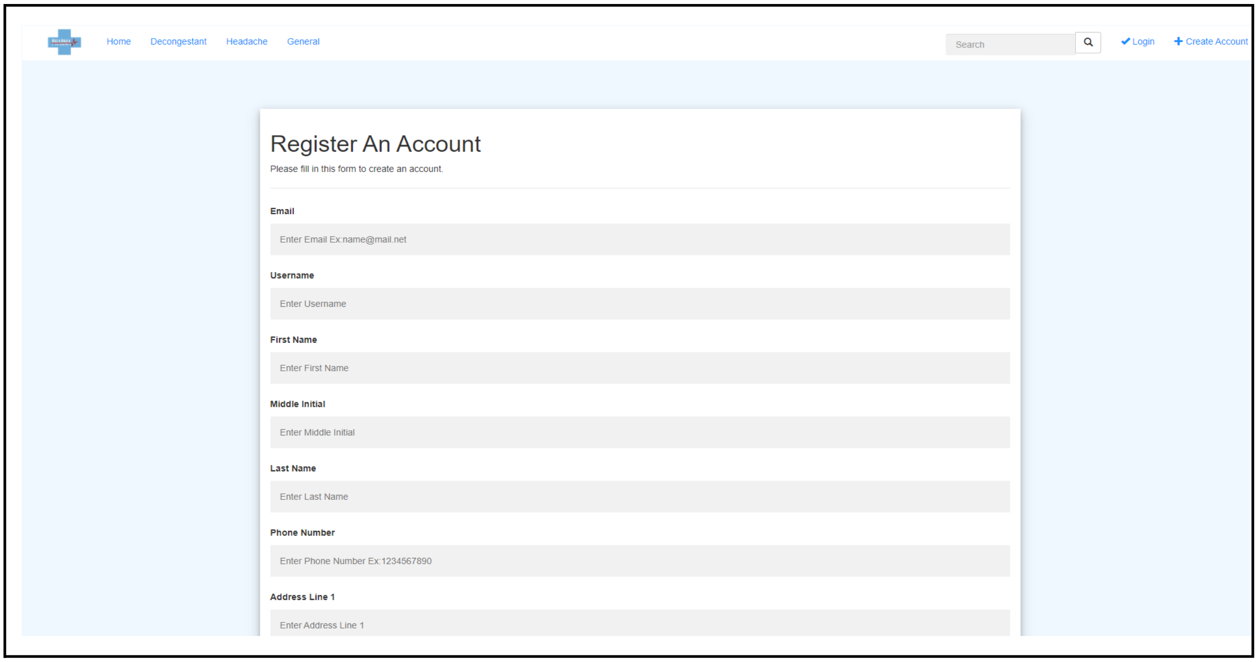
The admin view, only accessible by the administrator, gives access to the backend of the website. Here, the admin may add, edit, or delete products within the database, view orders which have been placed by the customers, process orders, or view all users with their respective information.

Table of Contents

User Manual

Login Component:

Account Creation: If the user does not have an account, the user can create one and use those credentials to login and make purchases on the website. All data must be filled out in the form (except Address Line 2 is optional). When the user clicks “Register”, their password is hashed using the opassword_hash function. The username and email are checked against the database to see if they are already registered; if they are, then they are shown an error message that the username already exists or that the email already exists. If they aren’t registered, then the username, hashed password, and email are inserted into the users table. The other information about the address is inserted into the address table.



Register An Account

Please fill in this form to create an account.

Email

Enter Email Ex:name@mail.net

Username

Enter Username

First Name

Enter First Name

Middle Initial

Enter Middle Initial

Last Name

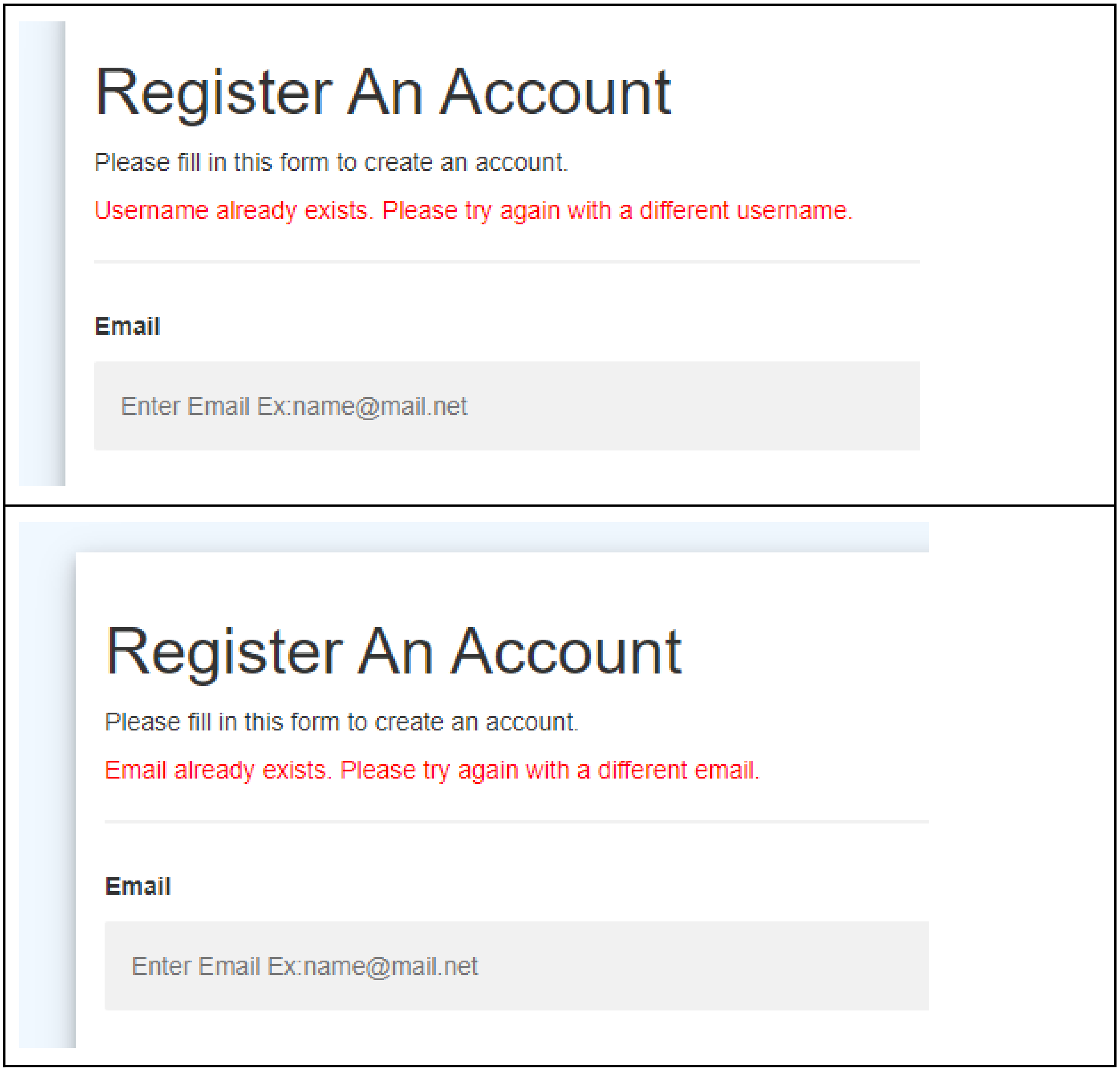
Enter Last Name

Phone Number

Enter Phone Number Ex:1234567890

Address Line 1

Enter Address Line 1



Register An Account

Please fill in this form to create an account.

Username already exists. Please try again with a different username.

Email

Enter Email Ex:name@mail.net

Register An Account

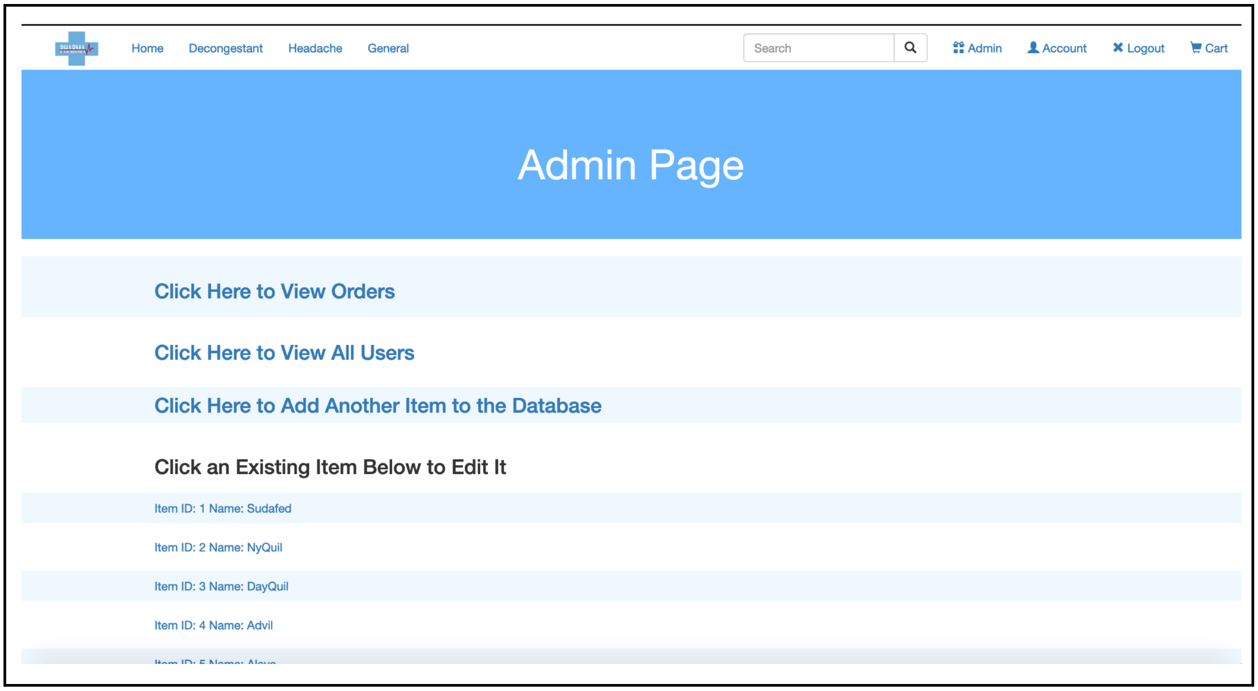
Please fill in this form to create an account.

Email already exists. Please try again with a different email.

Email

Enter Email Ex:name@mail.net

Admin Login: Special account type, found in the database, that signifies the account is an “Admin” account. Has special privileges and access to the managerial components on the website. Otherwise it is the same as a normal customer account.



Admin Page

Click Here to View Orders

Click Here to View All Users

Click Here to Add Another Item to the Database

Click an Existing Item Below to Edit It

Item ID: 1 Name: Sudafed

Item ID: 2 Name: NyQuil

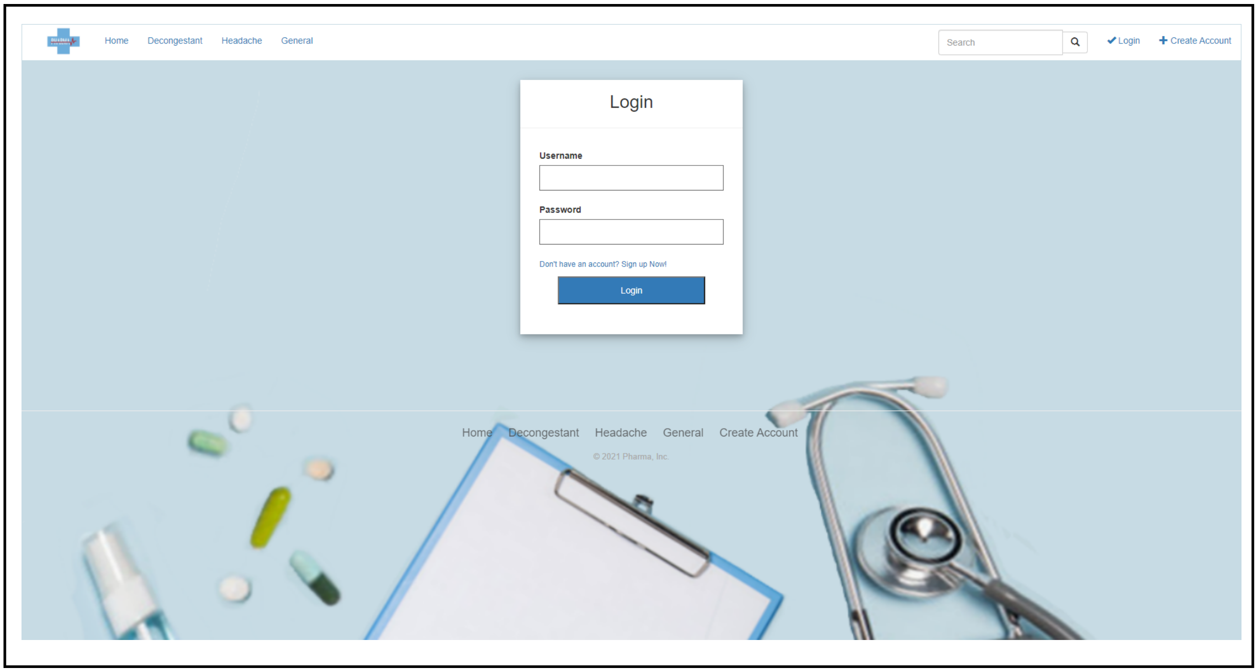
Item ID: 3 Name: DayQuil

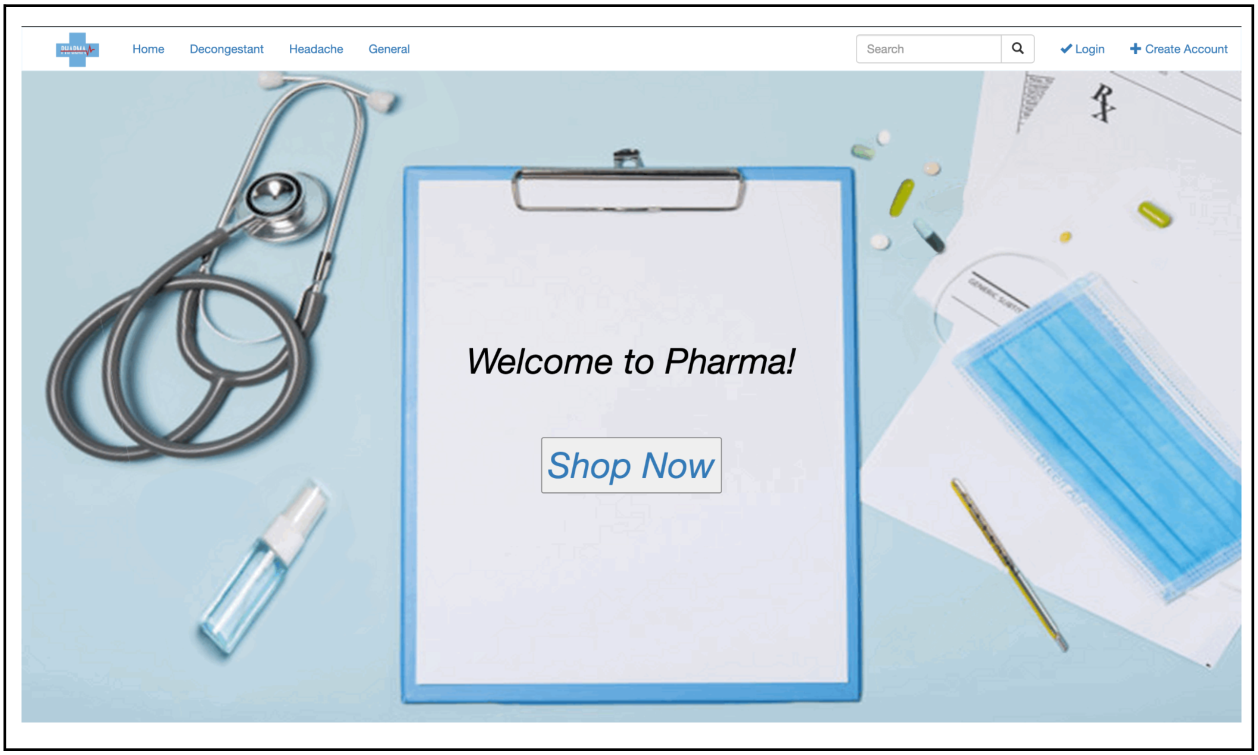
Item ID: 4 Name: Advil

Item ID: 5 Name: Aleve

Non-Admin ("Normal" customer) Login: Can add products to the cart and view the total the user is going to spend on an order. They can place orders once shipping address and payment info are added. In their account page, they can see all their past orders and, if it is within an hour, they may cancel an order.

The login component is implemented by a form which asks the user for the username and password. When the form is submitted, the username and password are checked against the database to verify the account exists. The password first has to be unhashed as it is stored hashed in the database. Each user also has an assigned user_type which determines whether the account belongs to an administrator or a customer. The user is then sent to the homepage and displays the appropriate header for the account type. The administrator header has access to the admin privileges.

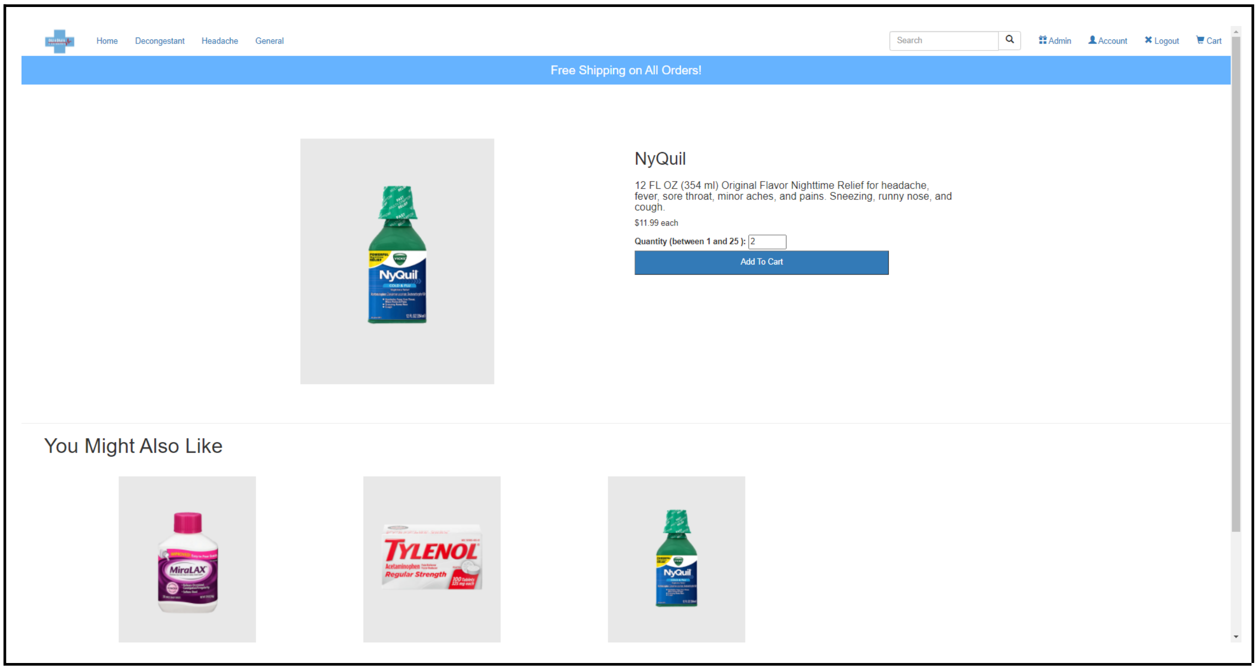

Home
Decongestant
Headache
General
Search
✓ Login
+ Create Account
Login
Username
Password
Don't have an account? Sign up Now!
Login
Home
Decongestant
Headache
General
Create Account
© 2021 Pharma, Inc.


Home
Decongestant
Headache
General
Search
✓ Login
+ Create Account
Welcome to Pharma!
Shop Now

View Order and Account details: In the account page, the user can view all of the account details and any past orders are shown via order number. This is implemented by selecting account information from the user and address table using the session user ID as reference.They may click on one of the orders to view its details. Order details contain what product(s) were bought in that order, total price per item, the total price of the order, order date, and current status of the order. All information is laid out using the order ID in the sql statement.

Order Component: Must be logged in to do these

Add to Cart: When on a product page, the user can add as many items to their cart as they want so long as it does not go over the maximum there is available for purchase. When the product pages are loaded, the database is checked for the stock amounts and sets the maximum quantity allowed to be added to the cart to the maximum amount available in the system. Once items are selected and the add to cart button is clicked, the item's product ID, the user ID and quantity added is used to create a new entry in the shopping cart table of the database.



Free Shipping on All Orders!

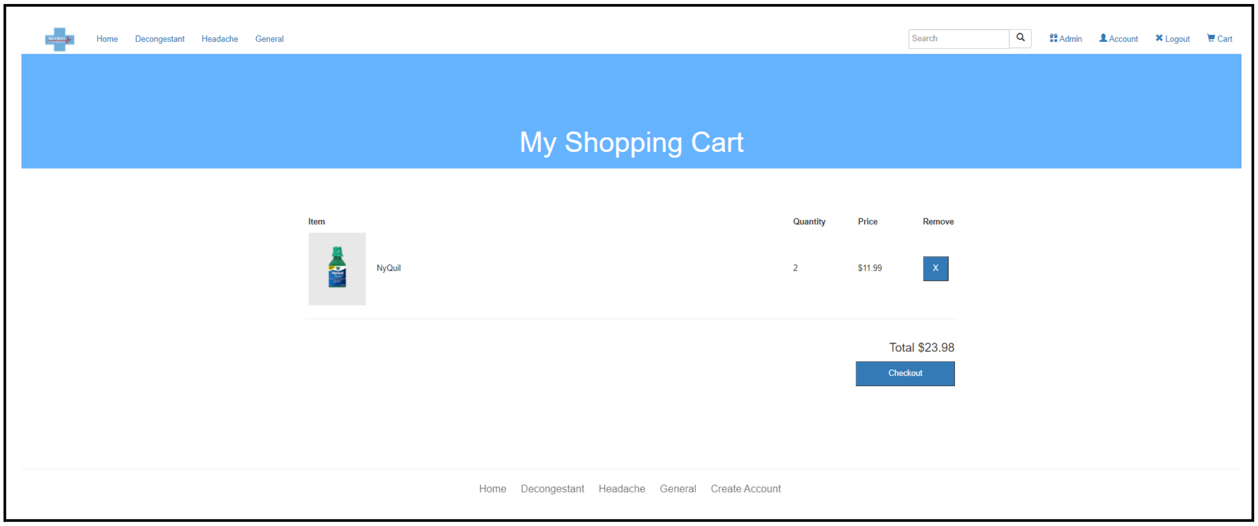
NyQuil

12 FL OZ (354 ml) Original Flavor Nighttime Relief for headache, fever, sore throat, minor aches, and pains. Sneezing, runny nose, and cough.

$11.99 each

Quantity (between 1 and 25): 2

You Might Also Like



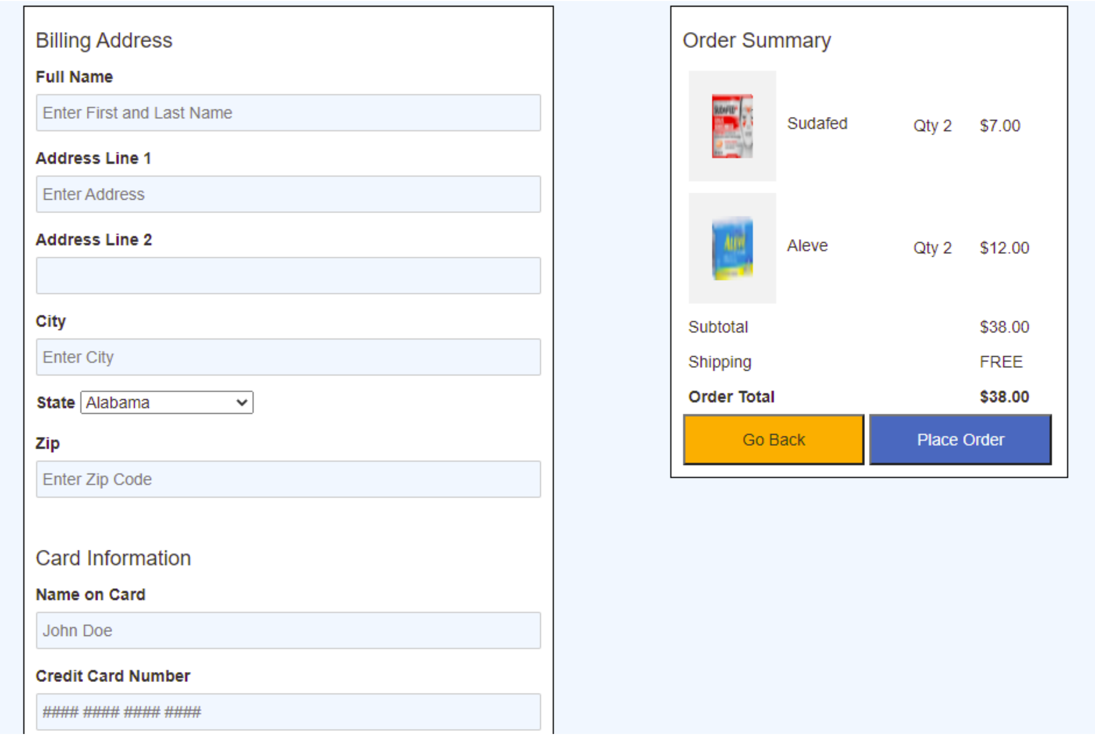
My Shopping Cart

Item		Quantity	Price	Remove
	NyQuil	2	$11.99	X

Total $23.98

Payment Component: In Cart

Where all payment and shipping info are entered. All order information is added to the database and is tied to the user account so they may view it at a later time. Card number must be numbers and spaces with a length of between 13 and 19. Card cvv must be numbers of length 3.



Billing Address

Full Name

Enter First and Last Name

Address Line 1

Enter Address

Address Line 2

City

Enter City

State Alabama

Zip

Enter Zip Code

Card Information

Name on Card

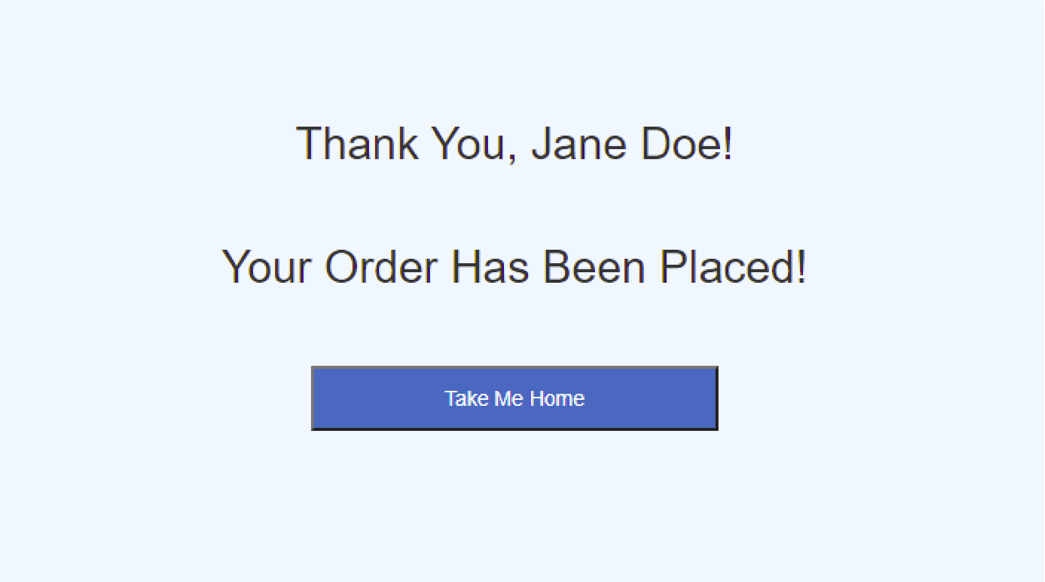
John Doe

Credit Card Number

####

Order Summary

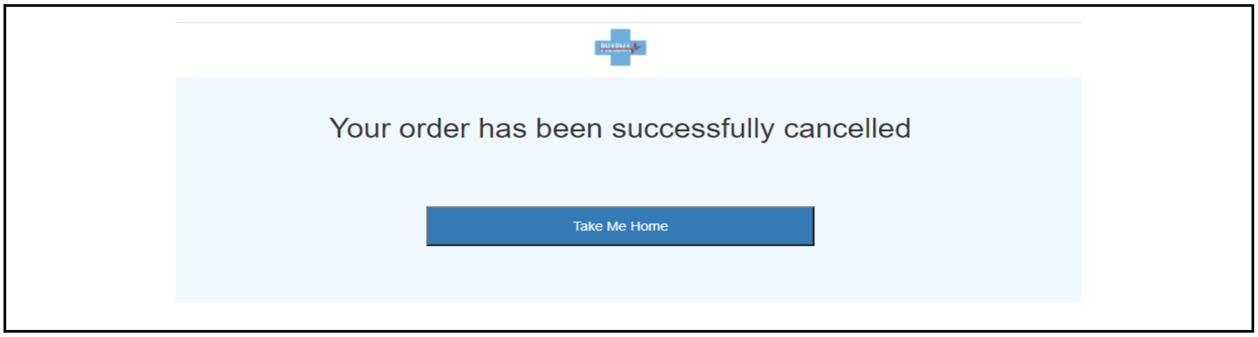
	Sudafed	Qty 2	$7.00
	Aleve	Qty 2	$12.00
Subtotal			$38.00
Shipping			FREE
Order Total			**$38.00**



Thank You, Jane Doe!

Your Order Has Been Placed!

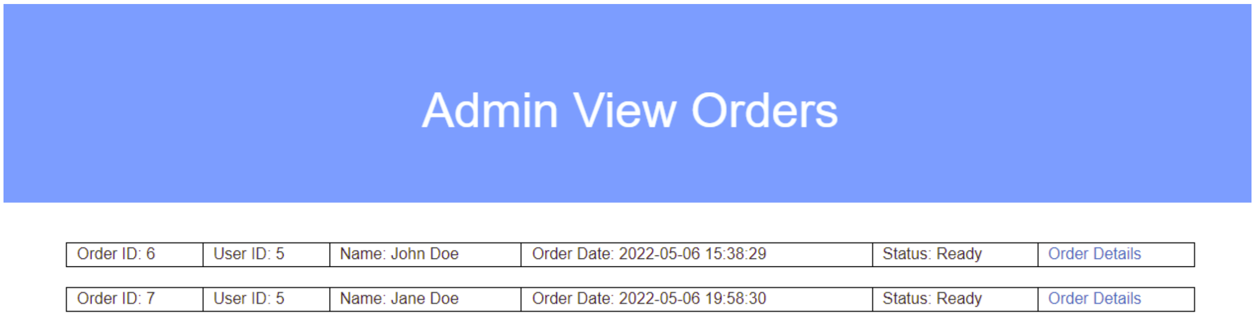
Cancel Order: When the user views one of their orders, a cancel button is shown. If it is within an hour of placing the order, it will be canceled. If it is after an hour it will not be canceled. This is done by using the TIMEDIFF() function built into php. There are variables stored for the current time and the time the order was created. A sql statement is used to select the order date from the orders table where the id matches the user's id. Then the TIMESTAMDIFF() function is stored in a variable where the inputs are the current time and the time the order is made. Then we run another sql query and the result is stored into another variable. This variable stores the time difference in hours. Then we check if the time difference is less than 1 and if it is, the order can be canceled by the customer and the status gets changed to canceled. If it is greater than 1, then the user will get an error message that lets them know an hour has passed and they cannot cancel their order. When this happens, nothing will change in the database.



Your order has been successfully cancelled

Managerial Component: Admin only pages

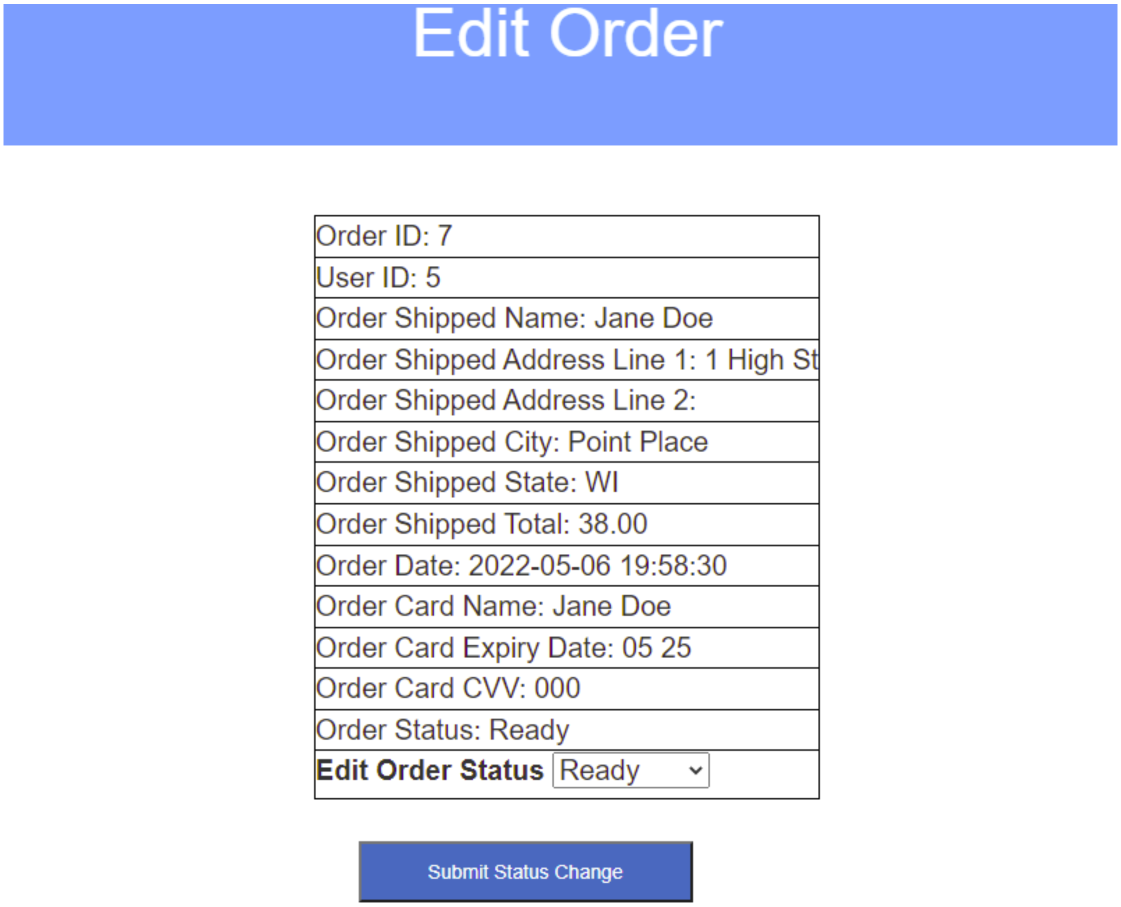
View Orders: Can see all orders in the system. When clicking on a specific order, the admin can see details about it and change the status of the order. If the admin tries to change the status to canceled within an hour of the order being placed, it will not go through as the customer has an hour to cancel the order on their end first. After an hour, the admin can cancel the order from this page. All orders from the orders table of the database are listed using a select sql statement with the order IDs, user IDs, User names, order dates, and order statuses. The results are then sent to a table.



Admin View Orders

Order ID: 6	User ID: 5	Name: John Doe	Order Date: 2022-05-06 15:38:29	Status: Ready	Order Details
Order ID: 7	User ID: 5	Name: Jane Doe	Order Date: 2022-05-06 19:58:30	Status: Ready	Order Details

Process Order: Administrators can select specific orders to edit. They will be able to change the status of the order from a dropdown menu (ready/shipped/delivered/canceled). When “Submit status change” is clicked, a set sql statement is created using the orderID which changes the status in the database. An admin can modify order status starting an hour after the order is created. Same as Cancel Order, using the TIMEDIFF() function, we check the order date from the database of the order we want to modify. We create a new timestamp when we want to change the status and check to see if the hour is less than 1 (under an hour between order placed and current time).



Edit Order

Order ID: 7

User ID: 5

Order Shipped Name: Jane Doe

Order Shipped Address Line 1: 1 High St

Order Shipped Address Line 2:

Order Shipped City: Point Place

Order Shipped State: WI

Order Shipped Total: 38.00

Order Date: 2022-05-06 19:58:30

Order Card Name: Jane Doe

Order Card Expiry Date: 05 25

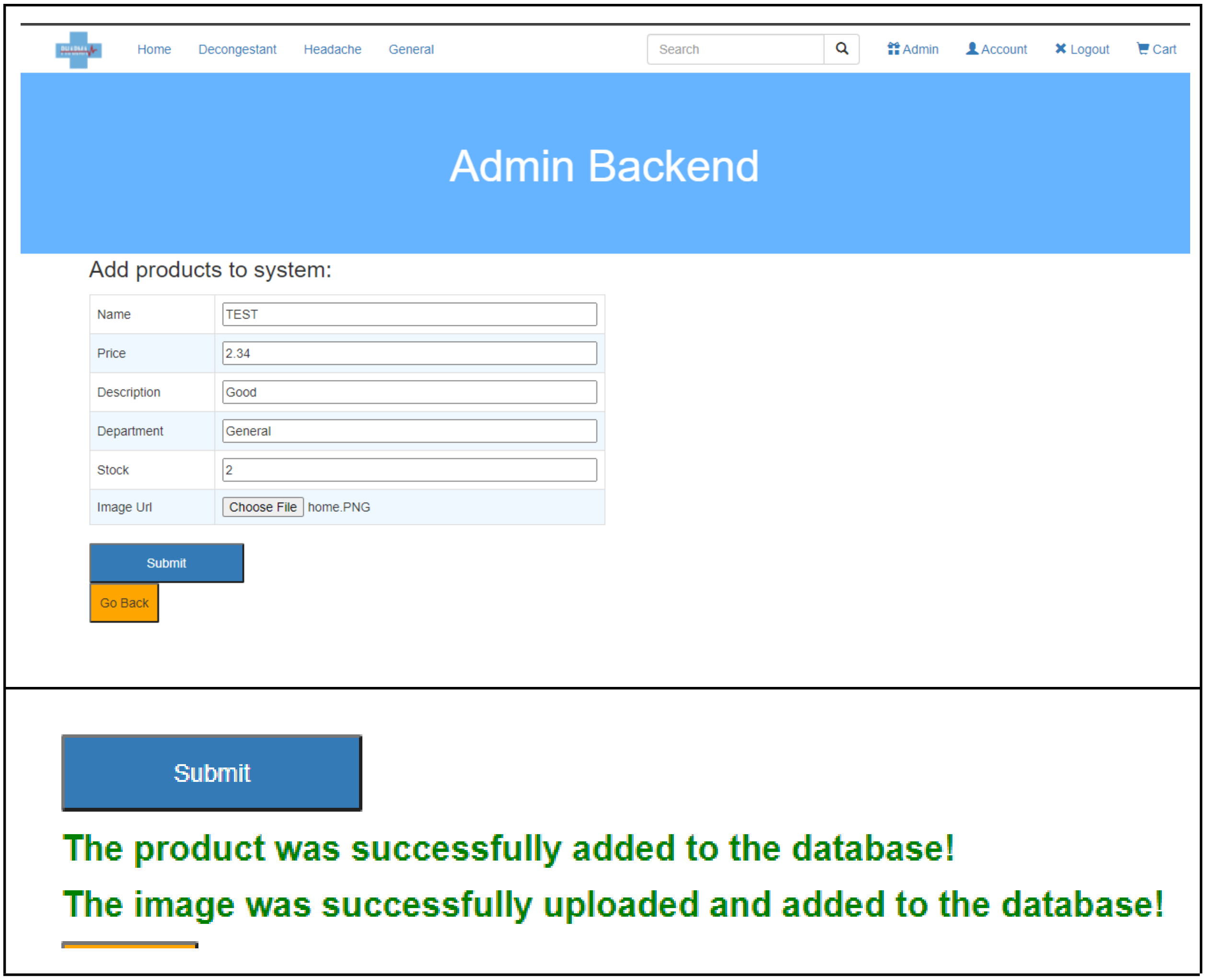
Order Card CVV: 000

Order Status: Ready

Edit Order Status Ready

Add Item to Database: All fields must be completed to add another item to the database.

This component was implemented by creating a form which takes all the relevant info and passes it to an add sql statement which fills the item in the database.



Admin Backend

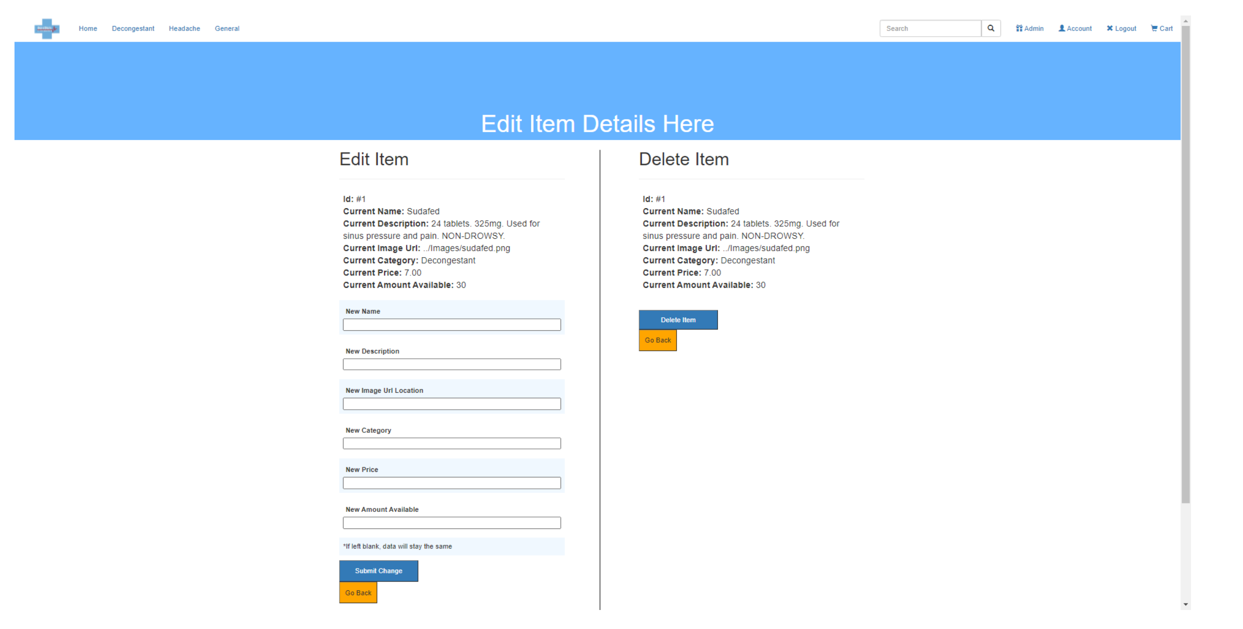
Add products to system:

Name	TEST
Price	2.34
Description	Good
Department	General
Stock	2
Image Url	Choose File home.PNG

The product was successfully added to the database!

The image was successfully uploaded and added to the database!

Delete Item From Database: An admin can choose to delete an item from the database as well. When an admin tries to delete an item, a confirmation box pops up so that it is difficult to accidentally delete a product. This task is accomplished by a delete sql statement which uses the product ID. The ID that is used is assigned when the admin clicks on an item from the admin page.



Edit Item Details Here

Edit Item

Id: #1
Current Name: Sudafed
Current Description: 24 tablets. 325mg. Used for sinus pressure and pain. NON-DROWSY.
Current Image Url: ../Images/sudafed.png
Current Category: Decongestant
Current Price: 7.00
Current Amount Available: 30

New Name

New Description

New Image Url Location

New Category

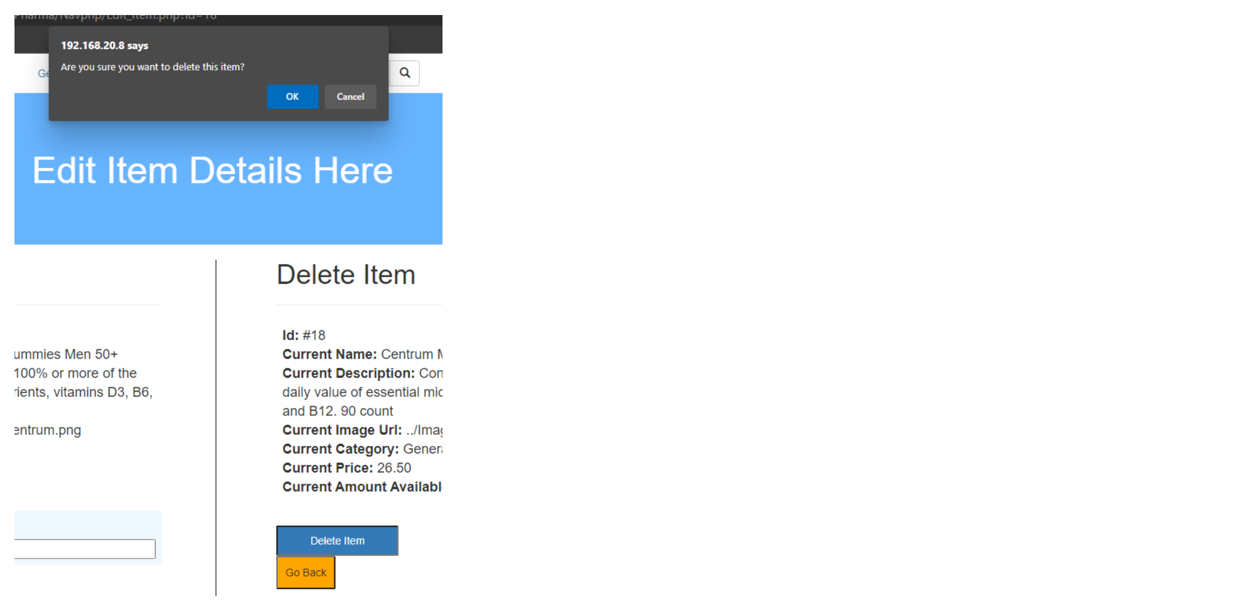
New Price

New Amount Available

*If left blank, data will stay the same

Delete Item

Id: #1
Current Name: Sudafed
Current Description: 24 tablets. 325mg. Used for sinus pressure and pain. NON-DROWSY.
Current Image Url: ../Images/sudafed.png
Current Category: Decongestant
Current Price: 7.00
Current Amount Available: 30



192.168.20.8 says

Are you sure you want to delete this item?

Edit Item Details Here

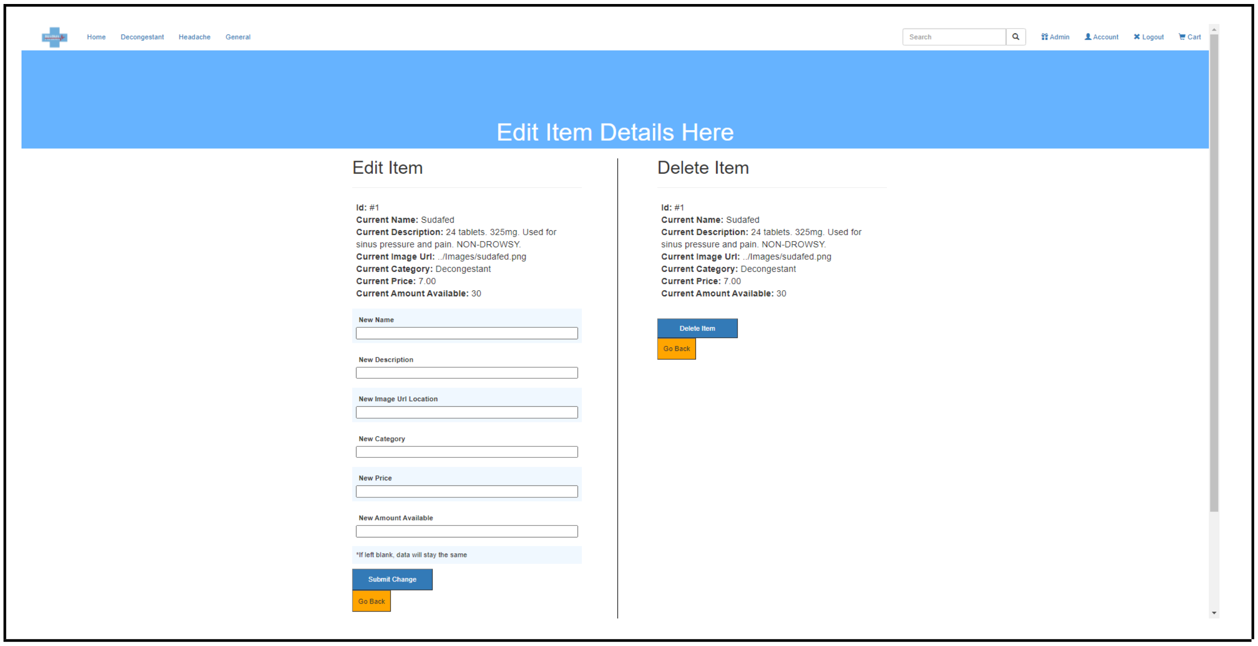
ummies Men 50+
100% or more of the
ients, vitamins D3, B6,

entrum.png

Delete Item

Id: #18
Current Name: Centrum M
Current Description: Con
daily value of essential mic
and B12. 90 count
Current Image Url: ../Imag
Current Category: Gener
Current Price: 26.50
Current Amount Availabl

Edit Item: Existing items can be edited with a new name, description, image url, category, price, and/or amount available. This is accomplished with a form. The form is set so that it does not need to be filled out fully. The admin can choose specifically what aspect is to be changed. The code senses what part of the form has been filled out and generates an appropriate set sql statement.



Edit Item Details Here

Edit Item

Id: #1
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Current Image Url: ../Images/sudafed.png
Current Category: Decongestant
Current Price: 7.00
Current Amount Available: 30

New Name

New Description

New Image Url Location

New Category

New Price

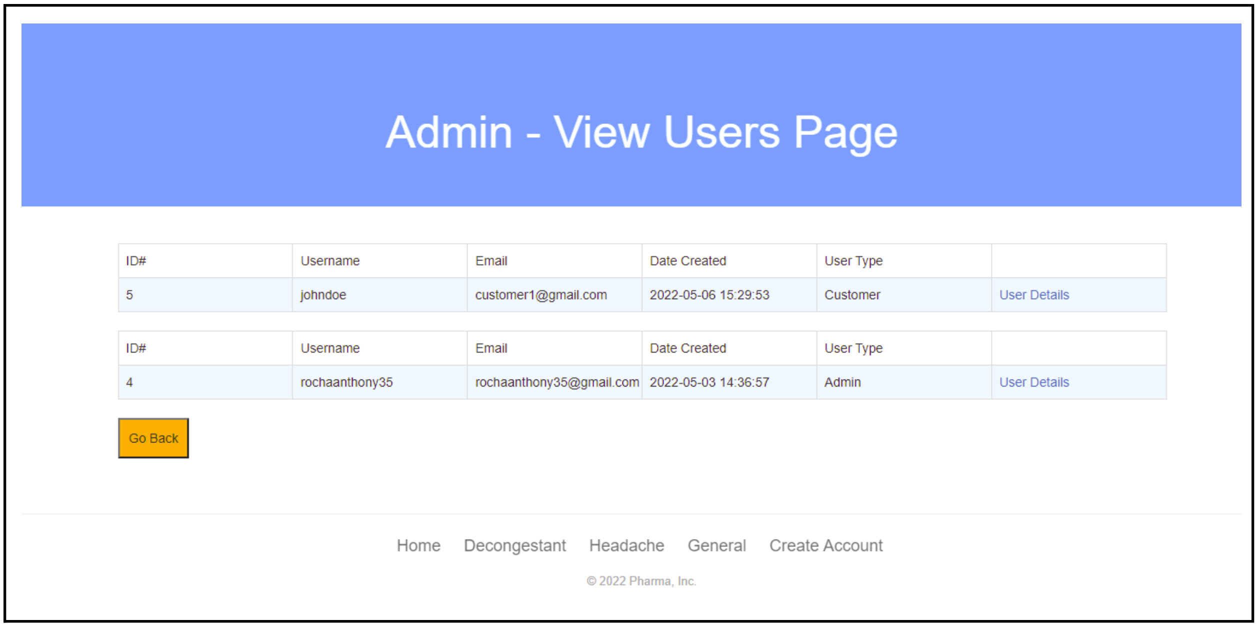
New Amount Available

*If left blank, data will stay the same

Delete Item

Id: #1
Current Name: Sudafed
Current Description: 24 tablets. 325mg. Used for sinus pressure and pain. NON-DROWSY.
Current Image Url: ../Images/sudafed.png
Current Category: Decongestant
Current Price: 7.00
Current Amount Available: 30

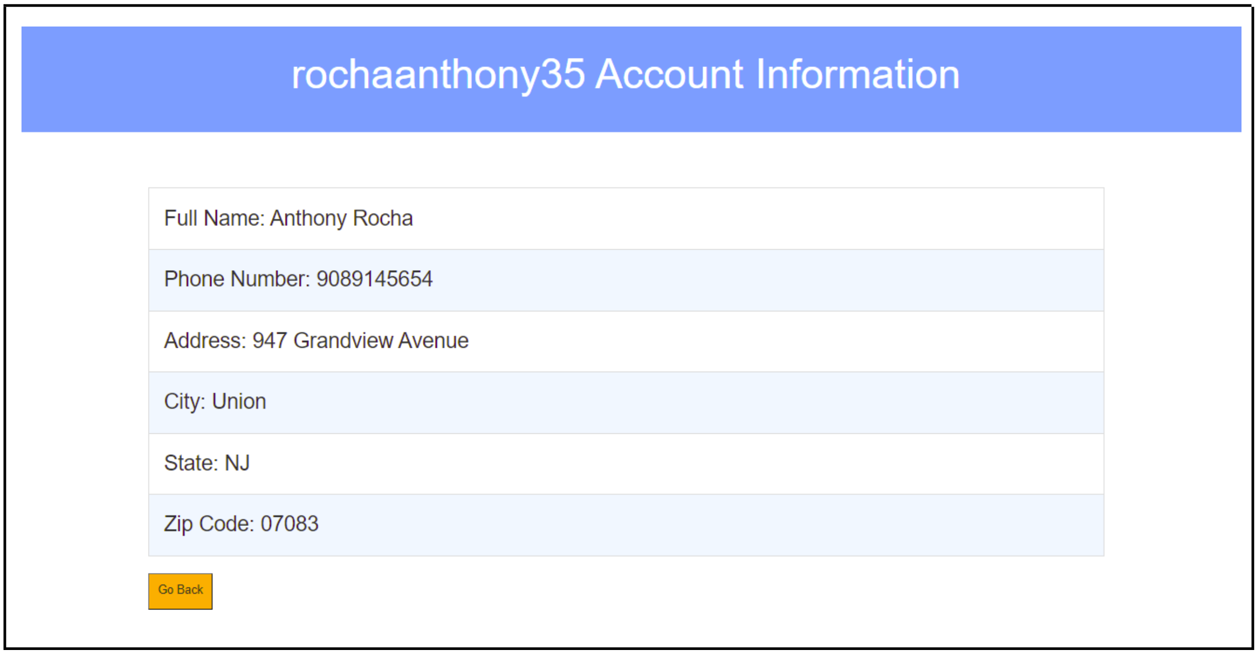
View All Users: Admin can see the user id, username, email, date created, user type and can click a button to check their user details. This is done using two pages where the first page displays the user's id, username, email, date created, and user type. This is done by selecting the id, username, email, date created, and user type from the user table. Then this is stored in an array where each item can be echoed out to the table. The last entry in the table is the "User Details" which links to the user detail page. On this page, the id is carried over from the user details reference and used to select the user's information from the address table based on the id of that user. The information is stored in another array and then that is used to echo the information into the table. Here the admin can see the user's full name and their address.



Admin - View Users Page

ID#	Username	Email	Date Created	User Type	
5	johndoe	customer1@gmail.com	2022-05-06 15:29:53	Customer	User Details

ID#	Username	Email	Date Created	User Type	
4	rochaanthony35	rochaanthony35@gmail.com	2022-05-03 14:36:57	Admin	User Details



rochaanthony35 Account Information

Full Name: Anthony Rocha

Phone Number: 9089145654

Address: 947 Grandview Avenue

City: Union

State: NJ

Zip Code: 07083

Interface Requirements:

1. Front-end software: HTML, CSS, Bootstrap
2. Back-end software: MYSQL, PHP, Apache
3. OS: Windows

Submission Video Link: https://www.youtube.com/watch?v=QCVdS-j_0Zk