Project Report

Milestone 3

Name: Devashri Gadgil

Application workflow:

Prerequisites :

1. Node
2. Nodemon
3. MongoDB

Instructions to run the application:

- Open terminal start mongodb service. If you are using Macbook and installed mongodb using brew, you can use below command:
  brew services start mongodb-community@4.4
- After starting the mongodb service in the background, its time to setup database. Run below command on terminal: mongo
- Select all content from project3_createDB.txt file and paste them in the same terminal. You will be able to see trades collection inside scent-swap database populated with mock data. This is starting point for the application.
- Open another terminal at the root folder of the application
- Run command npm install : This will install the required dependencies.
- Run command nodemon app
- The server will start listening to the port 3000
- Open browser and hit http://localhost:3000/

Landing Page

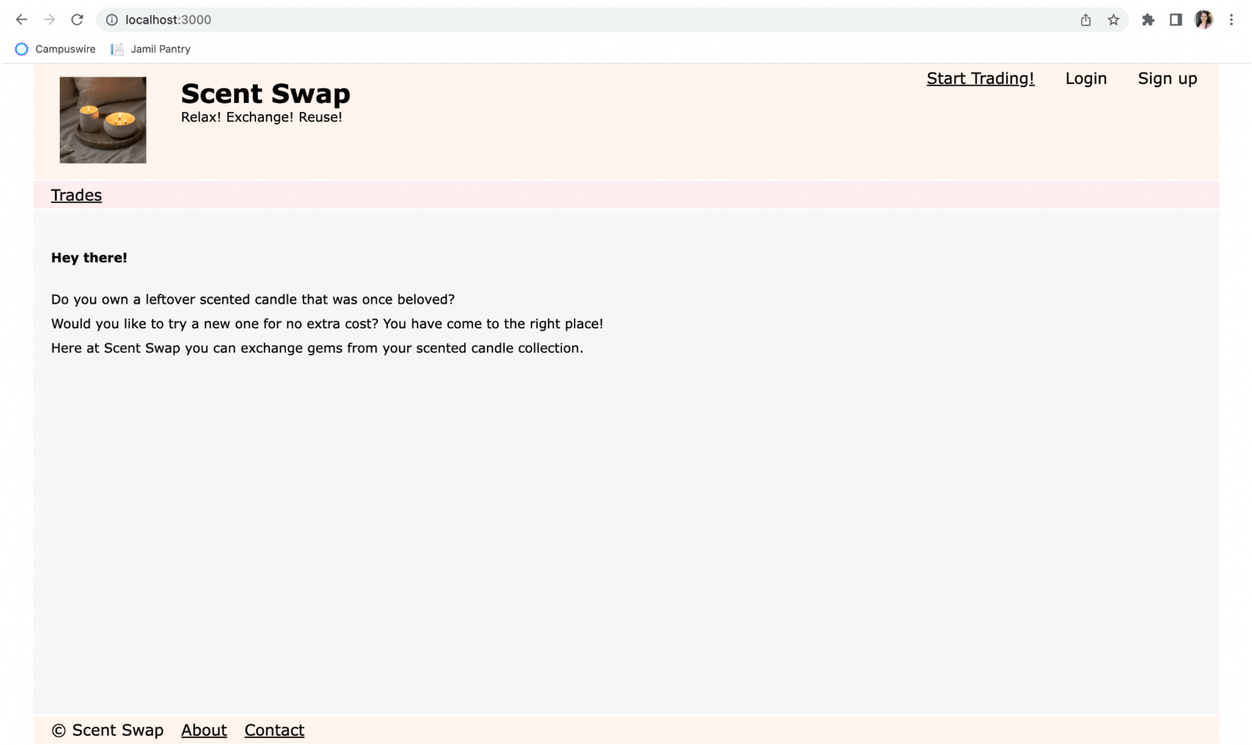
This is the index page of my trading platform which allows exchange of scented candles. It is displayed when a user enters http://localhost:3000/ or http://localhost:3000/home in the browser window.

API's involved :

1. [LOGO] GET / : renders landing page(views/index.ejs)
2. GET /home: renders landing page(views/index.ejs)
3. [FOOTER] GET /about: renders about page(views/main/about.ejs)
4. [FOOTER] GET /contact: renders contact page(views/main/contact.ejs)
5. [NAV] GET /trades : GET all trade items dynamically and display them under their category name on trades page(views/trade/trades.ejs)
6. [HEADER] GET /new : Display a HTML form to create a new trade item. (views/trade/newTrade.ejs)

7. Login and signup links are still displables since user authentication was not part of this milestone.

Database connection : None



Scent Swap

Relax! Exchange! Reuse!

Hey there!

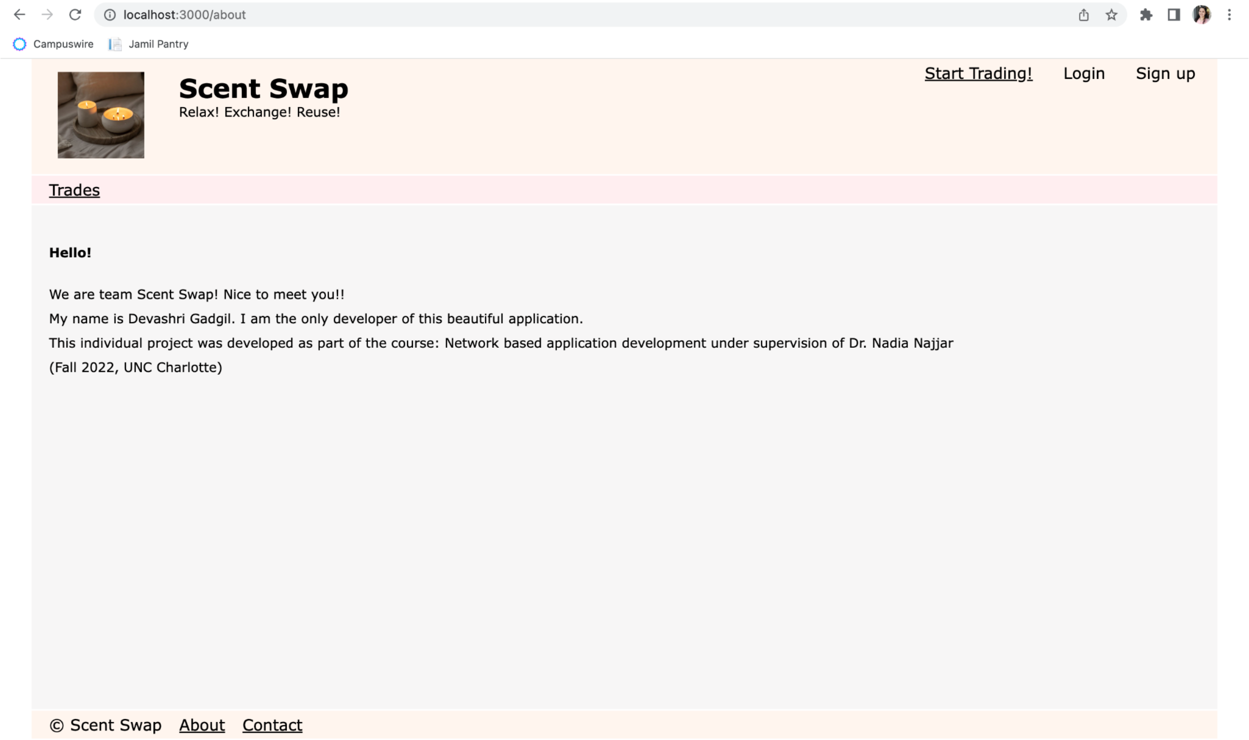
Do you own a leftover scented candle that was once beloved?
Would you like to try a new one for no extra cost? You have come to the right place!
Here at Scent Swap you can exchange gems from your scented candle collection.

About Page

API's involved :

Apart from common API's available on header, nav and footer, this webpage is displayed using GET /about at http://localhost:3000/about

Database connection: None



Scent Swap

Relax! Exchange! Reuse!

Hello!

We are team Scent Swap! Nice to meet you!!

My name is Devashri Gadgil. I am the only developer of this beautiful application.

This individual project was developed as part of the course: Network based application development under supervision of Dr. Nadia Najjar

(Fall 2022, UNC Charlotte)

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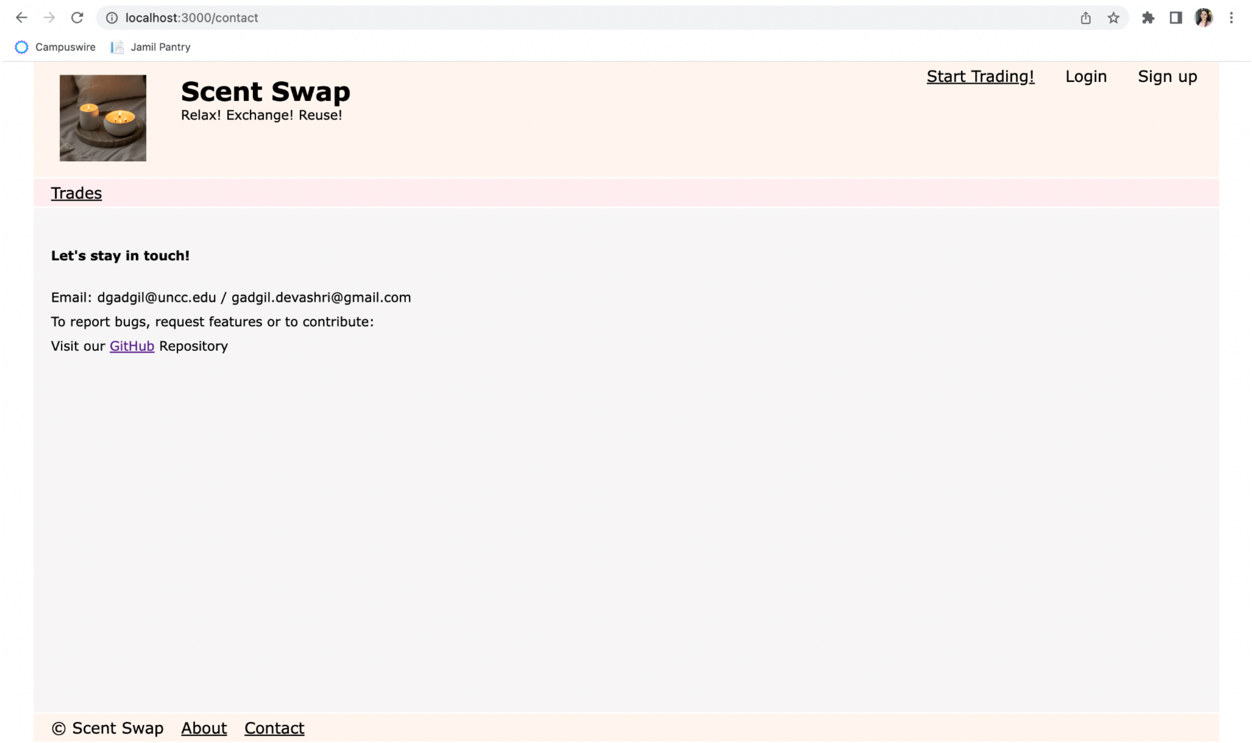
Contact Page

API’s involved :

Apart from common API’s available on header, nav and footer, this webpage is displayed using GET /contact at http://localhost:3000/contact

Database connection: None



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Let's stay in touch!

Email: dgadgil@uncc.edu / gadgil.devashri@gmail.com

To report bugs, request features or to contribute:

Visit our GitHub Repository

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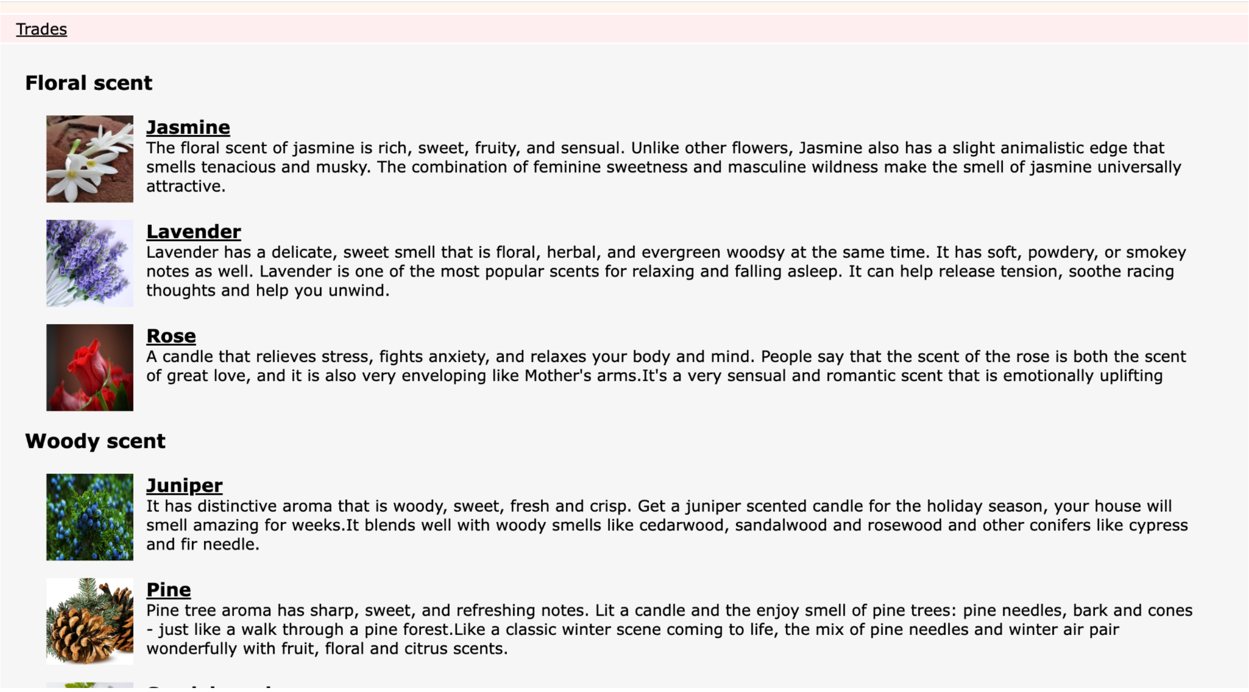
Trades Page

This page displayed alphabetically sorted list of all items available for trading under their respective category. Each item is clickable.

APIs involved:

1. GET /trades : Displays (views/trade/trades.ejs)
2. GET /trades/:id : Displays (views/trade/trade.ejs) with details corresponding to item id in the URL

Database connection: Model adheres to mongoose schema and uses find , findById methods to get data from trades collection.



Trades

Floral scent

Jasmine
The floral scent of jasmine is rich, sweet, fruity, and sensual. Unlike other flowers, Jasmine also has a slight animalistic edge that smells tenacious and musky. The combination of feminine sweetness and masculine wildness make the smell of jasmine universally attractive.

Lavender
Lavender has a delicate, sweet smell that is floral, herbal, and evergreen woodsy at the same time. It has soft, powdery, or smokey notes as well. Lavender is one of the most popular scents for relaxing and falling asleep. It can help release tension, soothe racing thoughts and help you unwind.

Rose
A candle that relieves stress, fights anxiety, and relaxes your body and mind. People say that the scent of the rose is both the scent of great love, and it is also very enveloping like Mother's arms.It's a very sensual and romantic scent that is emotionally uplifting

Woody scent

Juniper
It has distinctive aroma that is woody, sweet, fresh and crisp. Get a juniper scented candle for the holiday season, your house will smell amazing for weeks.It blends well with woody smells like cedarwood, sandalwood and rosewood and other conifers like cypress and fir needle.

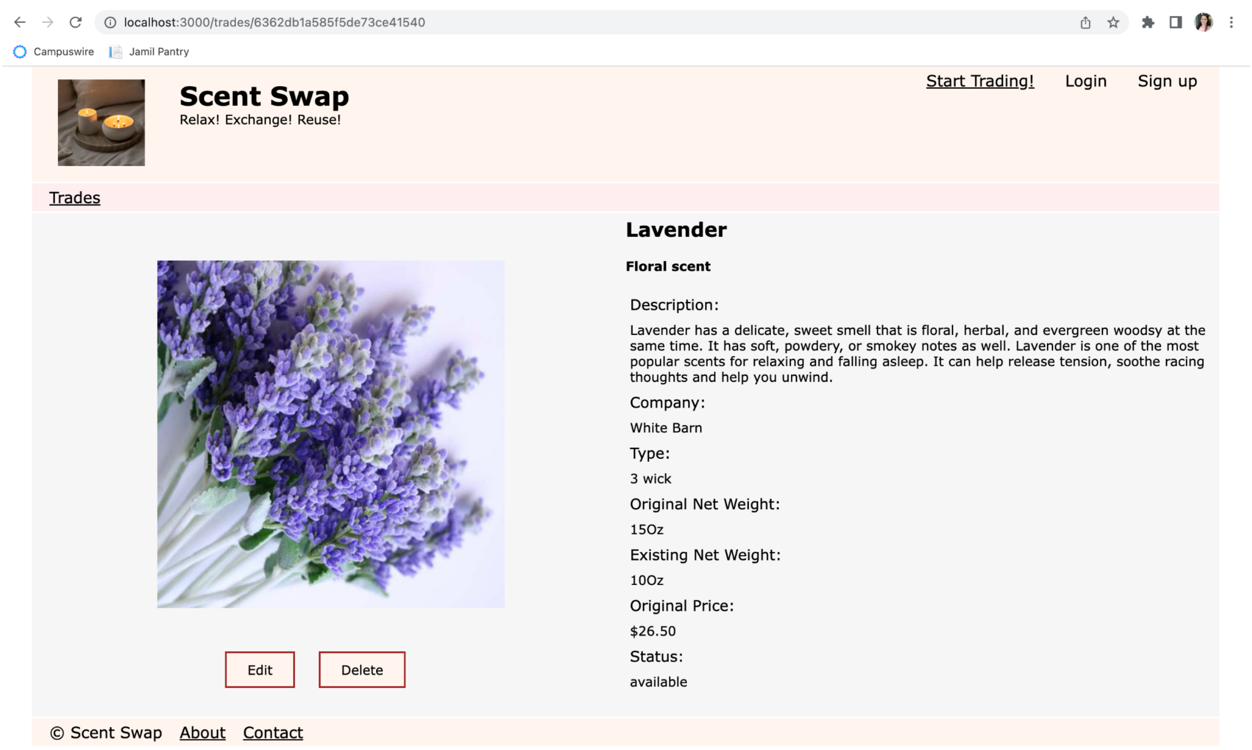
Pine
Pine tree aroma has sharp, sweet, and refreshing notes. Lit a candle and the enjoy smell of pine trees: pine needles, bark and cones - just like a walk through a pine forest.Like a classic winter scene coming to life, the mix of pine needles and winter air pair wonderfully with fruit, floral and citrus scents.

Trade page

This page displays details related to specific item.
APIs involved:

1. GET /:id/edit : Display edit page with a form containing details of the trade to be edited. (views/trade/editTrade.ejs)
2. DELETE /:id : Deletes trade item on the web page and redirects the flow to trades page.

Database connection: Model adheres to mongoose schema and uses findById and findByIdAndDelete methods to edit and delete data from trades collection.



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Lavender

Floral scent

Description:

Lavender has a delicate, sweet smell that is floral, herbal, and evergreen woodsy at the same time. It has soft, powdery, or smokey notes as well. Lavender is one of the most popular scents for relaxing and falling asleep. It can help release tension, soothe racing thoughts and help you unwind.

Company:

White Barn

Type:

3 wick

Original Net Weight:

15Oz

Existing Net Weight:

10Oz

Original Price:

$26.50

Status:

available

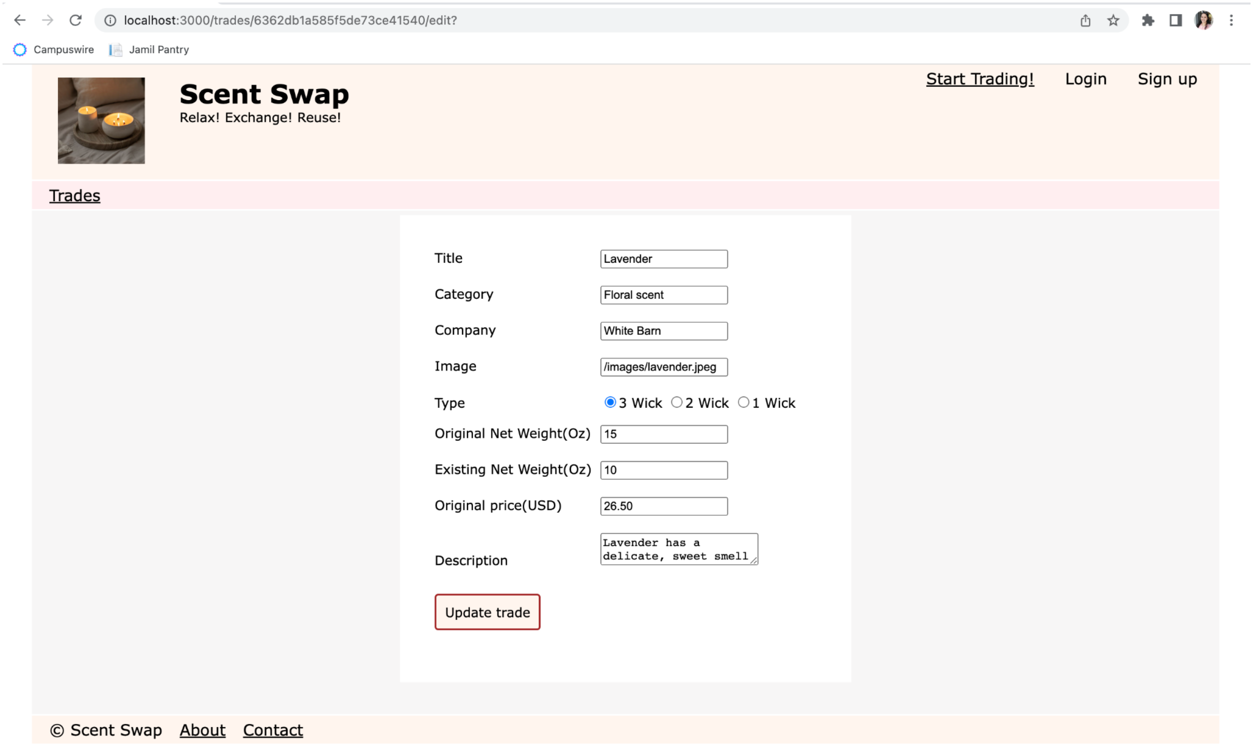
Edit Trade Page

This page displays the details of the specific trade item in a form. Users can update any attribute of the item and click on the update trade button. The details will be updated and the user will be redirected to the trade page which will showcase updated information.

APIs involved:

1. PUT /:id : Update the trade item
2. GET /trades/:id : Displays (views/trade/trade.ejs) with details corresponding to item id in the URL

Database connection: Model adheres to mongoose schema and uses findByIdAndUpdate and findById methods to update and get data from trades collection.



Title	Lavender
Category	Floral scent
Company	White Barn
Image	/images/lavender.jpeg
Type	● 3 Wick ○ 2 Wick ○ 1 Wick
Original Net Weight(Oz)	15
Existing Net Weight(Oz)	10
Original price(USD)	26.50
Description	Lavender has a delicate, sweet smell

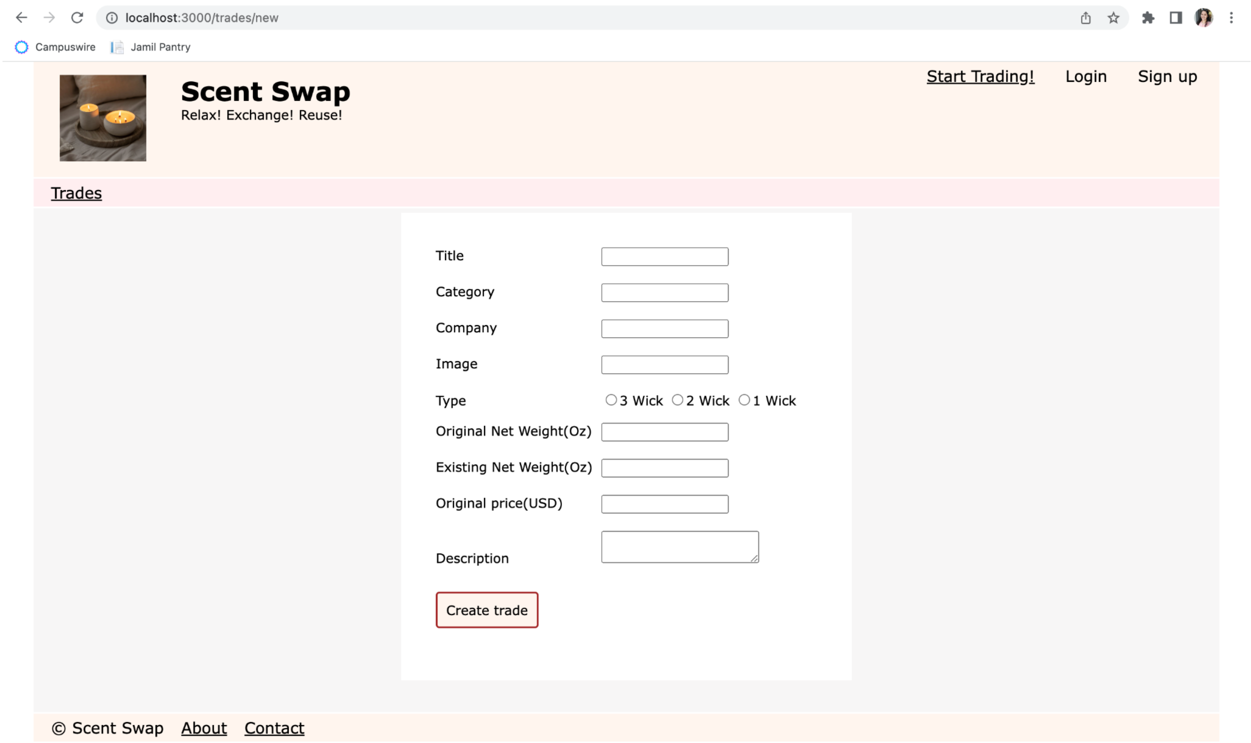
New Trade Page

This page displays a HTML form which can be used to submit a new trade item on the website. All fields are mandatory. After successful creation, the user will be redirected to the trades page.

API's involved:

1. POST /trades : Create a new object for the submitted item in the memory. Since there is no database connection, the newly created objects are not persistent.
2. GET /trades : Displays trades page(views/trade/trades.ejs)

Database connection: Model adheres to mongoose schema and uses save and find methods to save new trade and get all trades from trades collection.


localhost:3000/trades/new

Campuswire Jamil Pantry

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Start Trading! Login Sign up

Trades

Title	
Category	
Company	
Image	
Type	○ 3 Wick ○ 2 Wick ○ 1 Wick
Original Net Weight(Oz)	
Existing Net Weight(Oz)	
Original price(USD)	
Description	

Create trade

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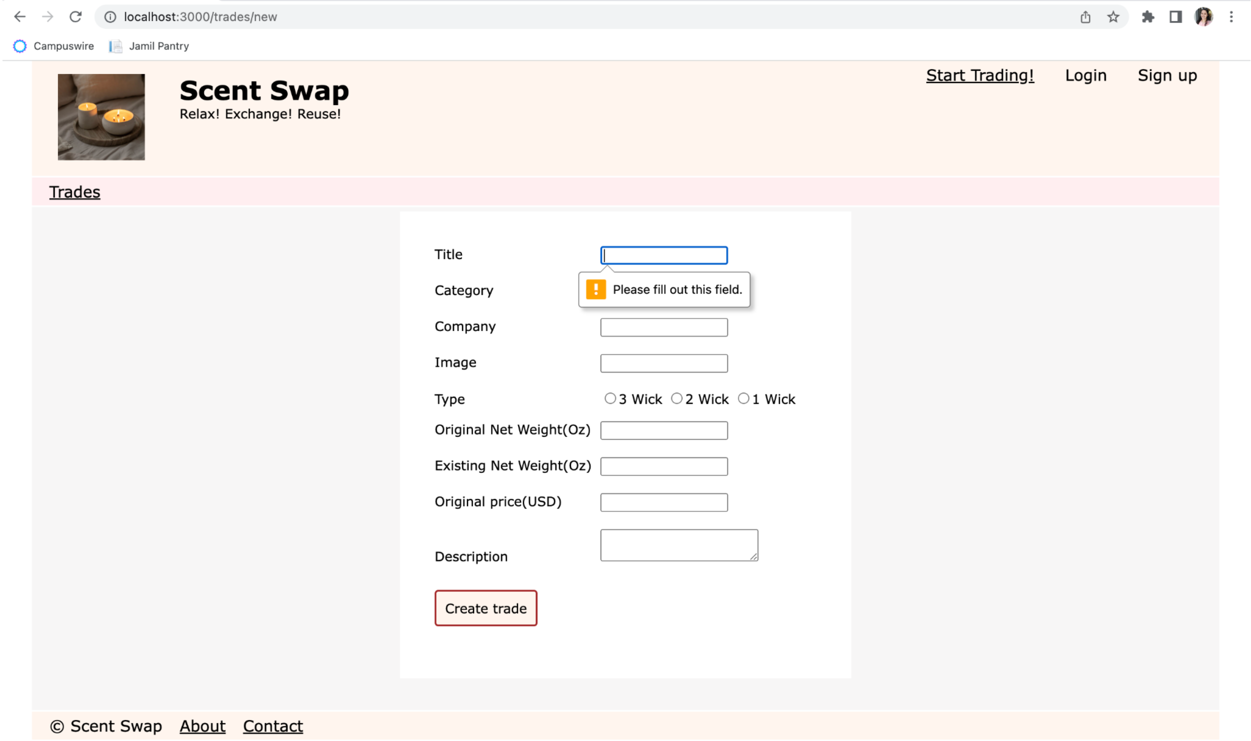
Validations are enformed from front end and back end on all form fields.


localhost:3000/trades/new

Campuswire Jamil Pantry

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Start Trading! Login Sign up

Trades

Title	
Category	
Company	
Image	
Type	○ 3 Wick ○ 2 Wick ○ 1 Wick
Original Net Weight(Oz)	
Existing Net Weight(Oz)	
Original price(USD)	
Description	

Please fill out this field.

Create trade

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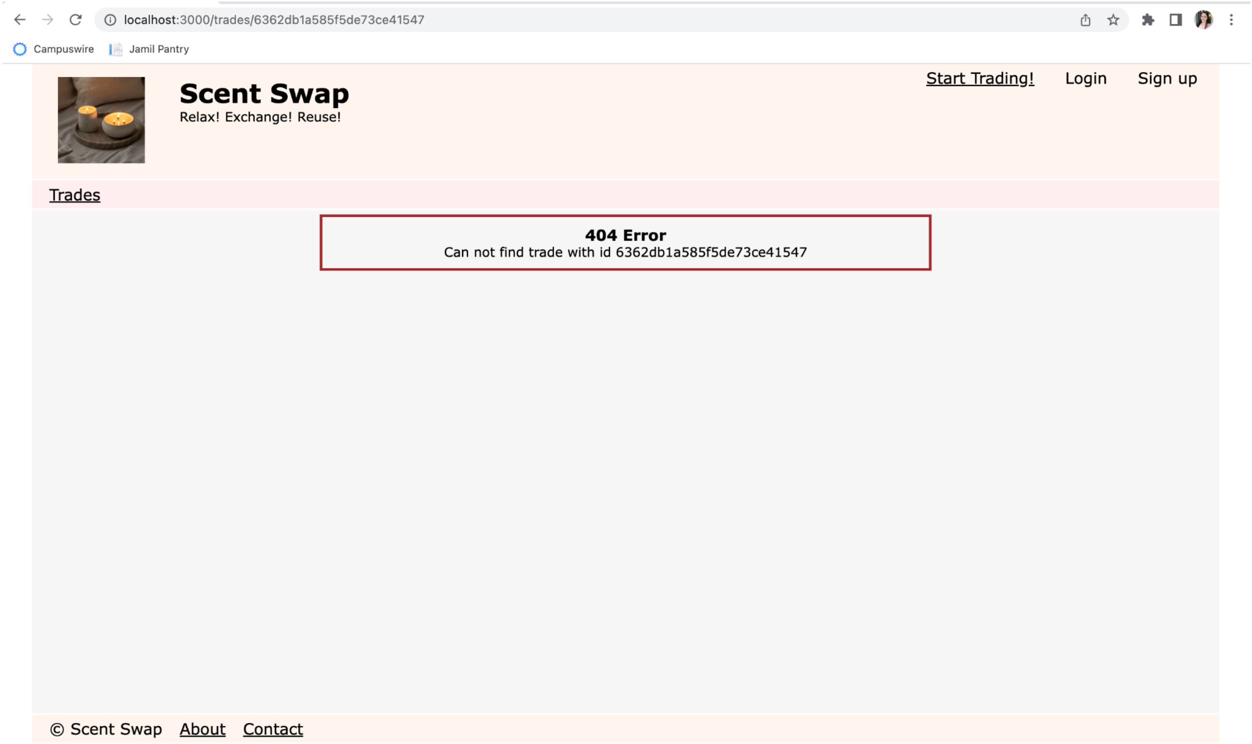
Error Page

If a user tries to access an unmatched endpoint or tries to query, update and delete unmatched id , the webpage will handle this gracefully and will display a 404 error. Similarly internal server error is also handled.



Start Trading! Login Sign up

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Trades

404 Error
Can not find trade with id 6362db1a585f5de73ce41547

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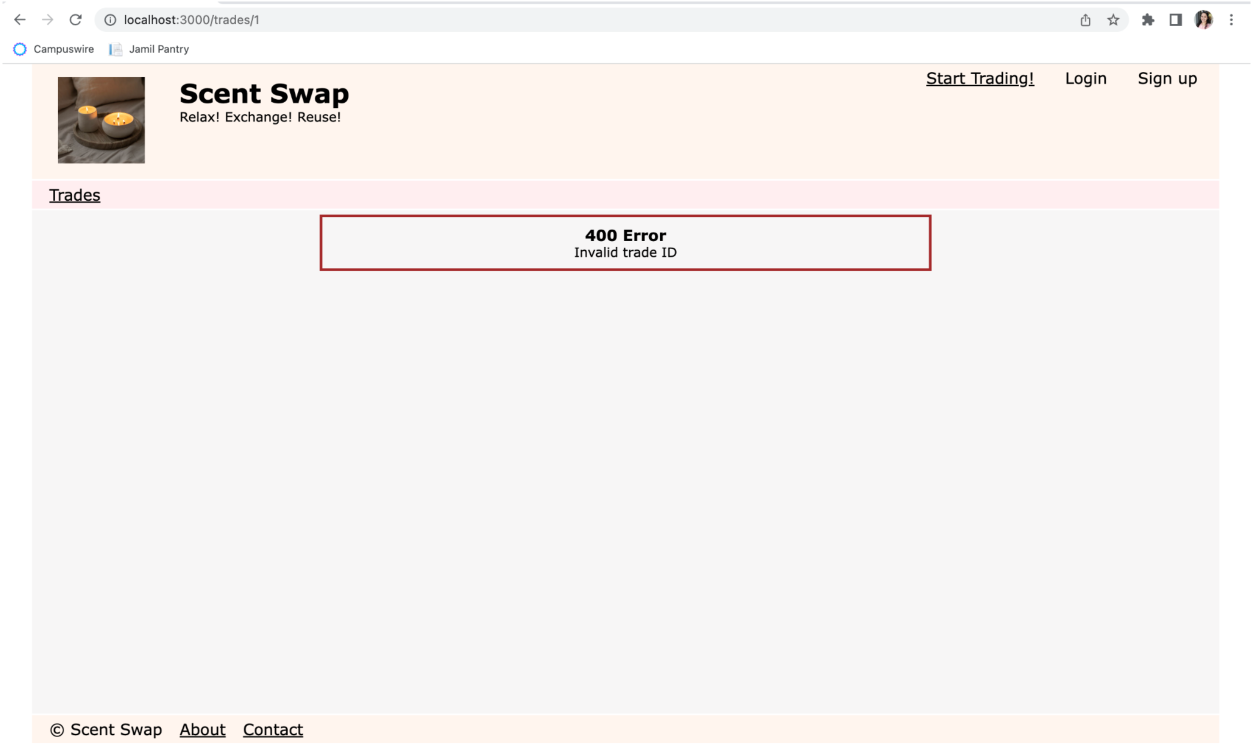
In case of invalid route parameter, i.e., the route parameter is not a valid ObjectId, webpage display a 400 error



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Trades

400 Error
Invalid trade ID

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Status:
Complete. All given requirements for milestone 3 are successfully incorporated.