

Project Report

Milestone 5

Name: Devashri Gadgil

Application workflow:

Prerequisites:

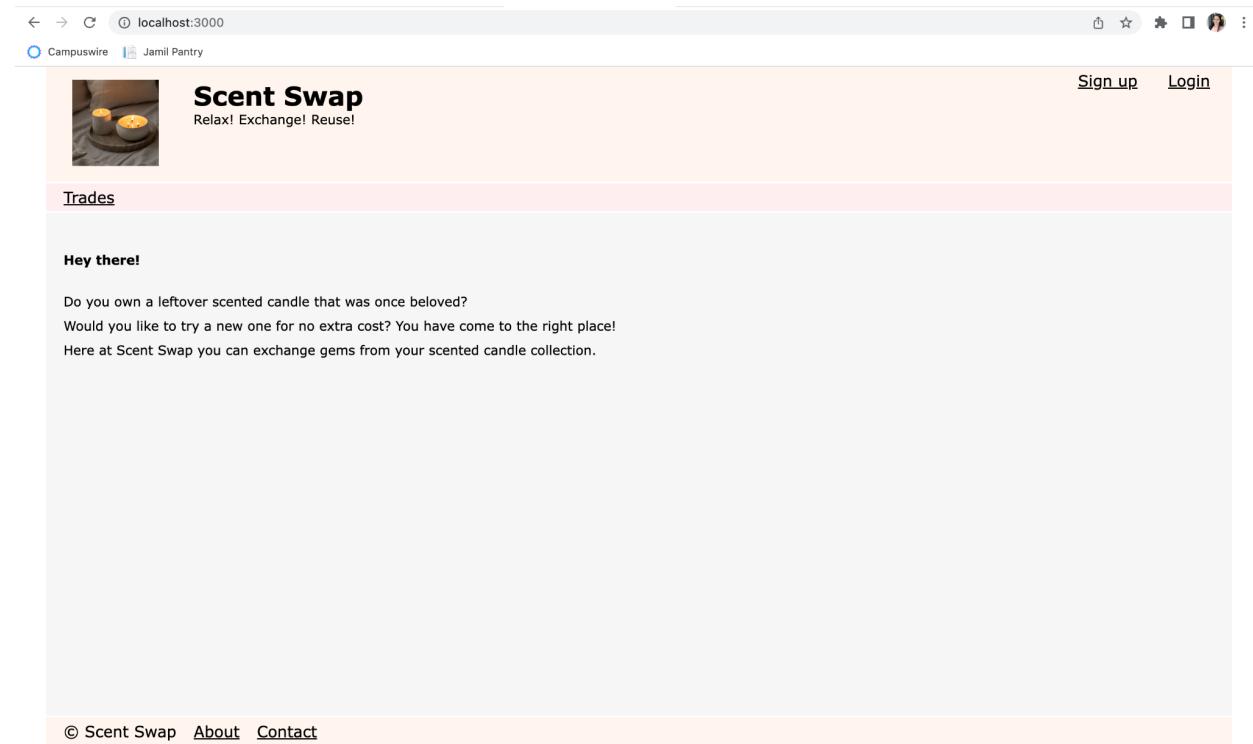
1. Node
2. Nodemon
3. MongoDB

Instructions to run the application:

- Open the terminal. Start MongoDB service. If you are using Macbook and installed MongoDB using brew, you can use the below command:
`brew services start mongodb-community@4.4`
- After starting the MongoDB service in the background, it's time to set up the database. Run the below command on the terminal: `mongo`
- Import users collection from `users.json` file in `scent-swap` database
- Import trades collection from `trades.json` file in `scent-swap` database
- We are using watchlists collection and offers collection for new features in this milestone.
- Open another terminal at the root folder of the application
- Run the command `npm install`: This will install the required dependencies.
- Run command `nodemon app`
- The server will start listening to port 3000
- Open the browser and hit <http://localhost:3000/>
- Choose user 1 or user 2 from `userCredentials.txt` and login to the website.

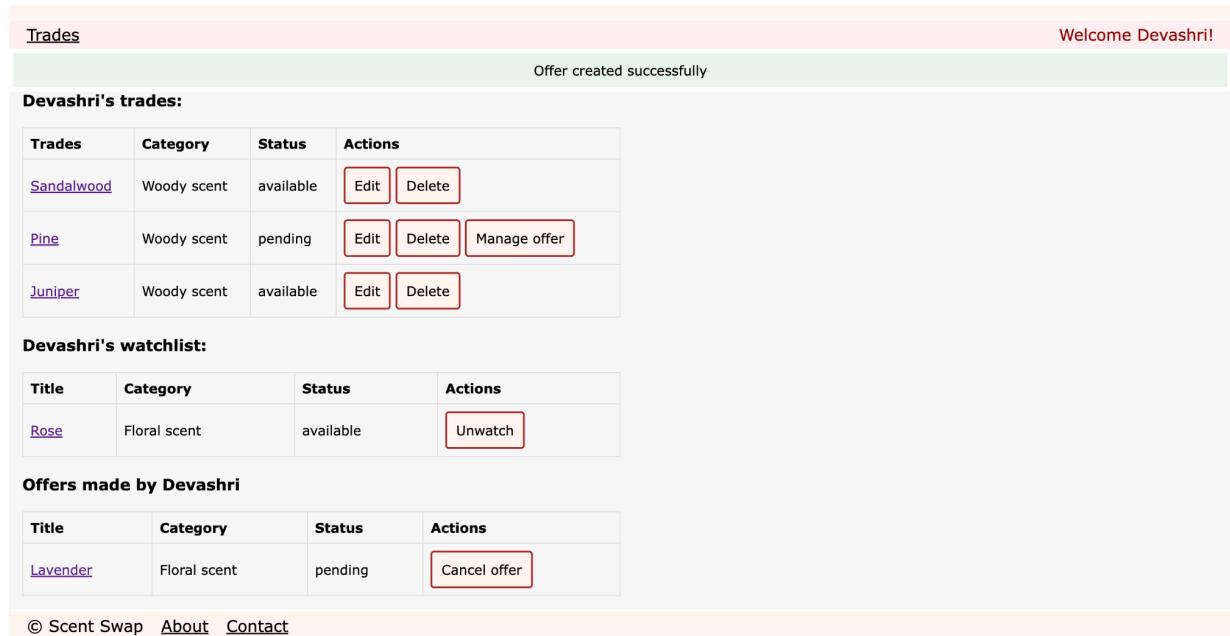
Screenshots:

Landing page



The screenshot shows a web browser window for 'localhost:3000'. The title bar includes icons for back, forward, refresh, and search. Below the title bar, the address bar shows 'localhost:3000' and the page title 'Campuswire | Jamil Pantry'. The main content area features a header with the logo 'Scent Swap' and the tagline 'Relax! Exchange! Reuse!', accompanied by a small image of two lit candles. On the right side of the header are 'Sign up' and 'Login' buttons. A pink navigation bar below the header contains the word 'Trades'. The main body of the page has a heading 'Hey there!' followed by a message encouraging users to exchange leftover scented candles. At the bottom, there's a footer with copyright information and links to 'About' and 'Contact'.

Profile(added watchlist and offer feature):



The screenshot shows a user profile page for 'Devashri'. At the top right, it says 'Welcome Devashri!'. The main content area is divided into sections: 'Devashris trades:', 'Devashris watchlist:', and 'Offers made by Devashri'. Each section contains a table with columns for Title, Category, Status, and Actions. In the 'Devashris trades:' section, there are three entries: 'Sandalwood' (Woody scent, available), 'Pine' (Woody scent, pending), and 'Juniper' (Woody scent, available). In the 'Devashris watchlist:' section, there is one entry: 'Rose' (Floral scent, available). In the 'Offers made by Devashri' section, there is one entry: 'Lavender' (Floral scent, pending). The 'Actions' column in all tables contains buttons for 'Edit', 'Delete', and 'Manage offer' (for trades) or 'Unwatch' (for watchlist).

Trades:

 **Scent Swap**
Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

Trades Welcome Devashri!

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.

Trade details(**Current logged in user is the host of the item** displayed on the screen):

 **Scent Swap**
Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

Trades Welcome Devashri!

Juniper

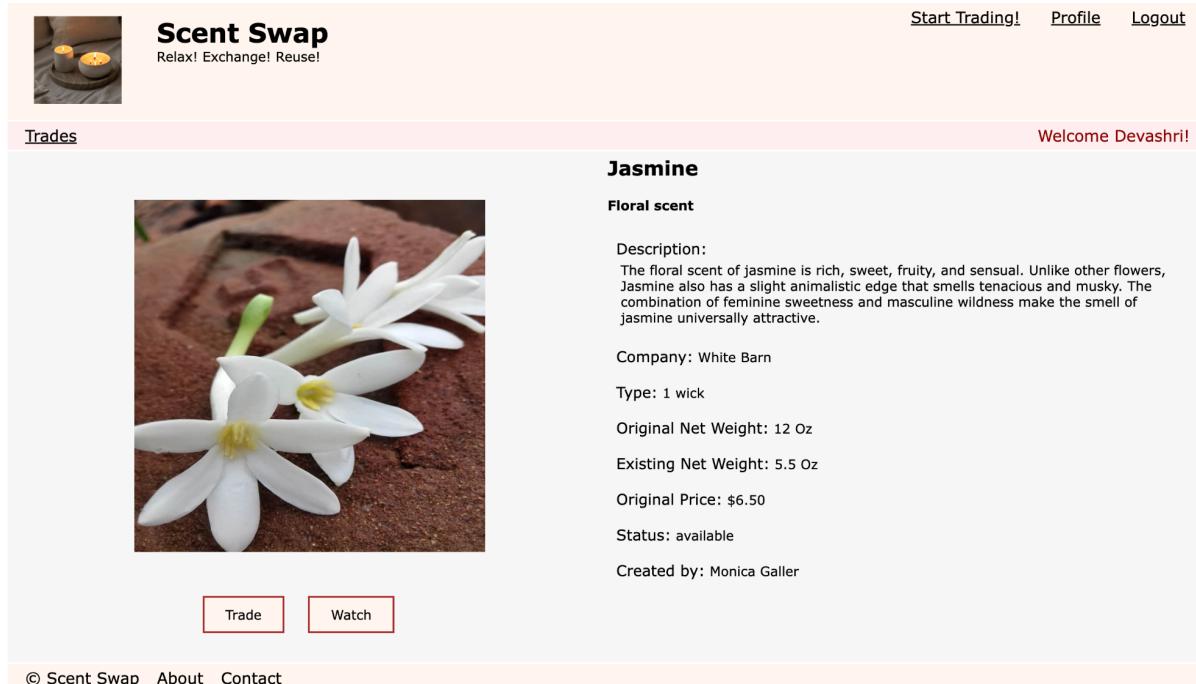
Woody scent

Description:
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.

Company: Le Labo
Type: 2 wick
Original Net Weight: 13 Oz
Existing Net Weight: 7.5 Oz
Original Price: \$13.99
Status: available
Created by: Devashri Gadgil

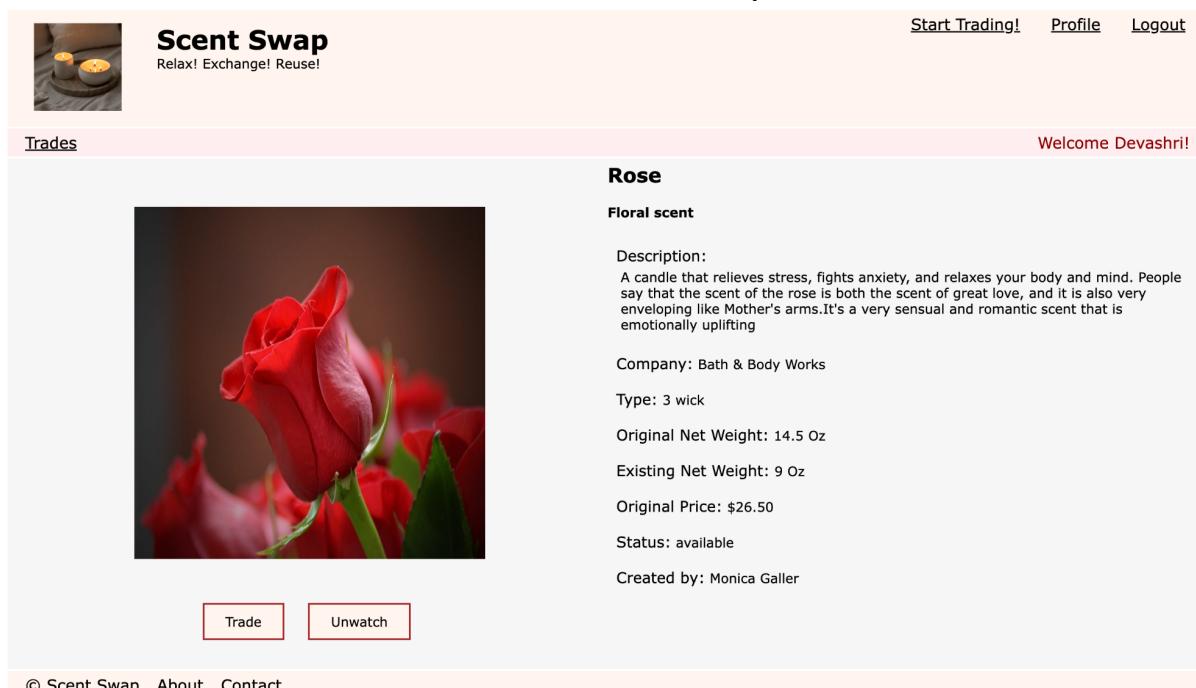
[Edit](#) [Delete](#)

Trade details(**Current logged in user is not the host of the item** displayed on the screen):



The screenshot shows a product page for a Jasmine candle. At the top, there's a header with the logo 'Scent Swap' and the tagline 'Relax! Exchange! Reuse!'. On the right, there are links for 'Start Trading!', 'Profile', and 'Logout'. A welcome message 'Welcome Devashri!' is displayed. Below the header, there's a navigation bar with 'Trades' on the left and 'Welcome Devashri!' on the right. The main content area features a large image of two white jasmine flowers. To the right of the image, the product name 'Jasmine' is displayed, along with its category 'Floral scent'. Below this, there's a detailed description of the fragrance, company information (White Barn), and various product specifications like net weight and price. At the bottom of the page, there are two buttons: 'Trade' and 'Watch'.

Trade details(**Current logged in user is not the host of the item** displayed on the screen and has added that item to the watchlist):



The screenshot shows a product page for a Rose candle. The layout is similar to the previous one, with the 'Scent Swap' logo at the top and a welcome message for 'Devashri!'. The main content area features a large image of a red rose. To the right of the image, the product name 'Rose' is displayed, along with its category 'Floral scent'. Below this, there's a detailed description of the fragrance, company information (Bath & Body Works), and various product specifications. At the bottom of the page, there are two buttons: 'Trade' and 'Unwatch'.

Selecting items for making an offer(List only available items):



Scent Swap

Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

[Trades](#) Welcome Monica!

Select trade item for exchange:

| Selection | Trades | Category | Status |
|-----------------------|-------------------------|--------------|-----------|
| <input type="radio"/> | Jasmine | Floral scent | available |
| <input type="radio"/> | Rose | Floral scent | available |

[Confirm Trade](#)

© Scent Swap [About](#) [Contact](#)

Trade details(**Current logged in user is not the host of the item** displayed on the screen and **has created a trade offer for that item**):



Scent Swap

Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

[Trades](#) Welcome Devashri!

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: 15 Oz
Existing Net Weight: 10 Oz
Original Price: \$26.50
Status: pending
Created by: Monica Galler

[Trade](#) [Watch](#)

© Scent Swap [About](#) [Contact](#)

Manage offer(**When the offer is made by a logged-in user**):



Scent Swap

Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

[Trades](#)

Welcome Devashri!

Manage Offer:



Title: Lavender
Category: Floral scent
Status: pending



Title: Pine
Category: Woody scent
Status: pending

[Cancel offer](#)

[© Scent Swap](#) [About](#) [Contact](#)

Manage offer(When the offer is made for the logged-in user):



Scent Swap

Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

[Trades](#)

Welcome Monica!

Manage Offer:



Title: Lavender
Category: Floral scent
Status: pending



Title: Pine
Category: Woody scent
Status: pending

[Accept](#) [Reject](#)

[© Scent Swap](#) [About](#) [Contact](#)

Profile page once the offer is accepted:(No actions available for traded items on profile page and trade details page):



Scent Swap
Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

Trades Welcome Monica!

Items are traded successfully

Monica's trades:

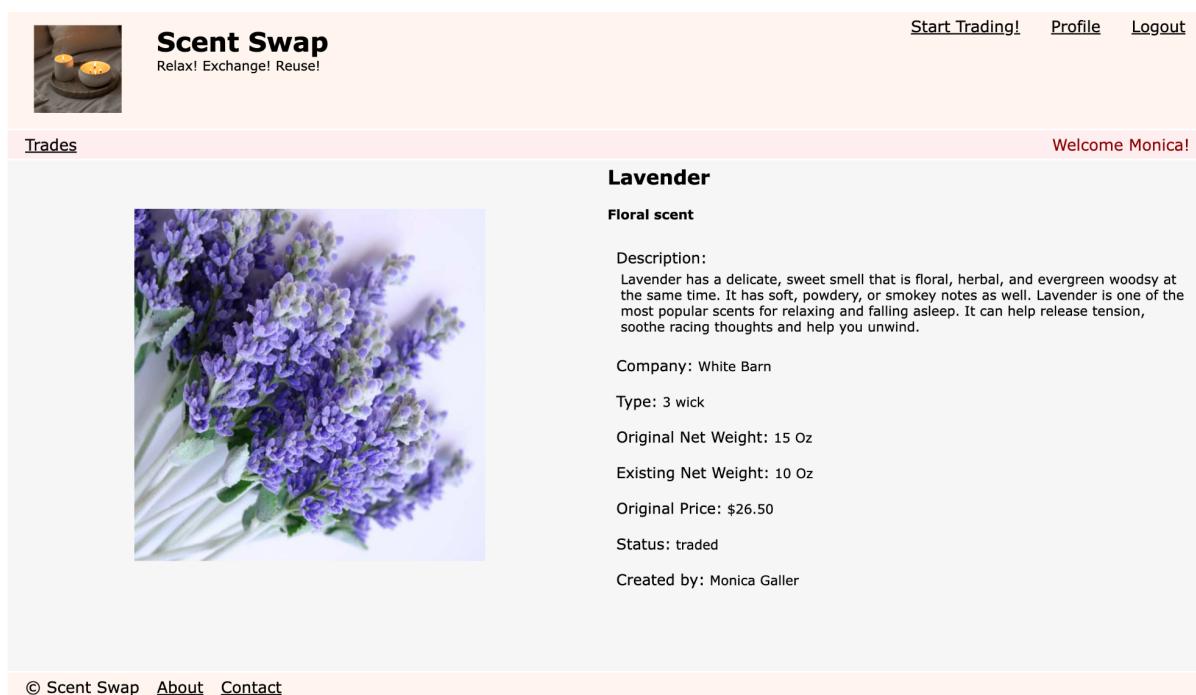
| Trades | Category | Status | Actions |
|----------|--------------|-----------|---|
| Lavender | Floral scent | traded | |
| Jasmine | Floral scent | available | Edit Delete |
| Rose | Floral scent | available | Edit Delete |

Monica's watchlist:

There are no items in your watchlist

Offers made by Monica

There are no offers made



Scent Swap
Relax! Exchange! Reuse!

[Start Trading!](#) [Profile](#) [Logout](#)

Trades Welcome Monica!

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: 15 Oz
Existing Net Weight: 10 Oz
Original Price: \$26.50
Status: traded
Created by: Monica Galler

Errors:

1. If a user tries to signup using an email that has already been taken then the following flash message is displayed.

A screenshot of a web browser displaying the 'Scent Swap' sign-up page. The URL is 'localhost:3000/users/new'. The page features a header with the site logo 'Scent Swap' and the tagline 'Relax! Exchange! Reuse!', along with 'Sign up' and 'Login' links. Below the header is a red horizontal bar with the text 'Email address is already taken'. The main form contains fields for 'First Name', 'Last Name', 'Email Address', and 'Password', each with an associated input field. A red-bordered 'Sign Up' button is centered below the fields.

2. If a user enters the wrong credentials then the following flash message is displayed

A screenshot of a web browser displaying the 'Scent Swap' login page. The URL is 'localhost:3000/users/login'. The page layout is identical to the sign-up page, with the 'Scent Swap' logo, tagline, and 'Sign up'/'Login' links. A red horizontal bar at the top displays the error message 'Wrong password'. The login form includes fields for 'Email Address' and 'Password' with input fields, and a red-bordered 'Login' button.

3. If a user tries to perform any action that requires authentication then the following flash message is displayed.

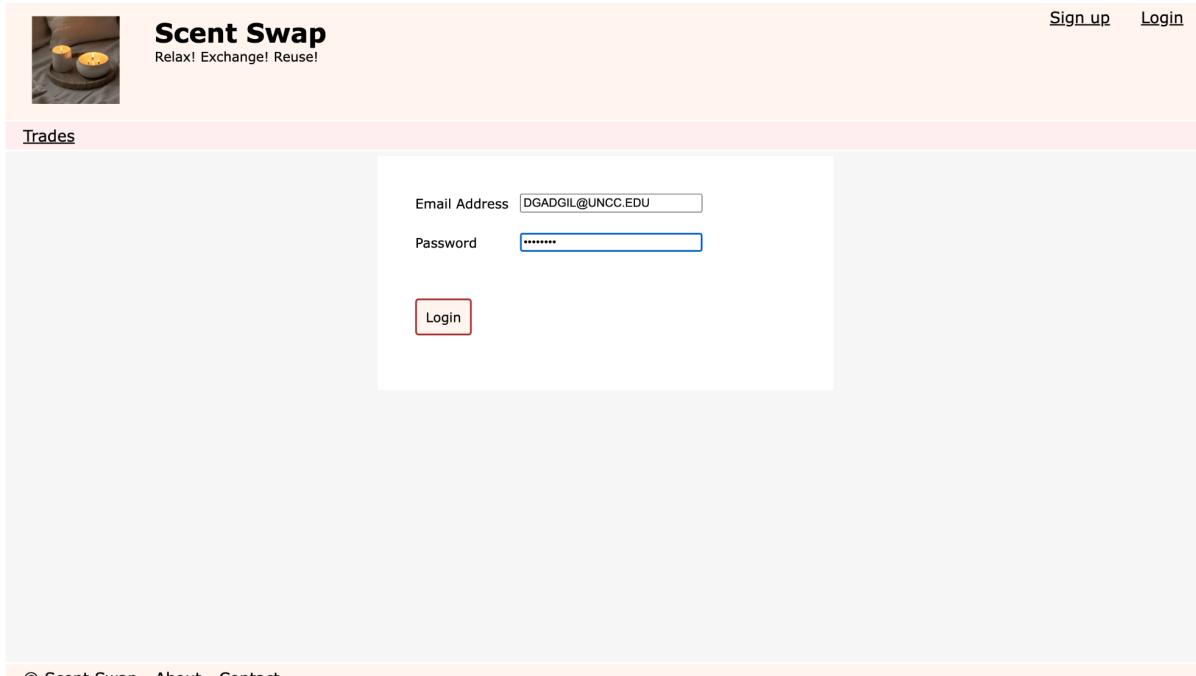
A screenshot of a web browser window displaying the 'Scent Swap' application. The URL is 'localhost:3000/users/login'. The page features a header with the 'Scent Swap' logo and tagline 'Relax! Exchange! Reuse!', a 'Sign up' link, and a 'Login' button. Below the header is a red navigation bar with the text 'Trades'. A prominent red flash message bar at the top states 'You need to log in first'. The main content area contains fields for 'Email Address' and 'Password', and a 'Login' button.

4. If a user tries to edit an item hosted by another user, the following flash message is displayed.

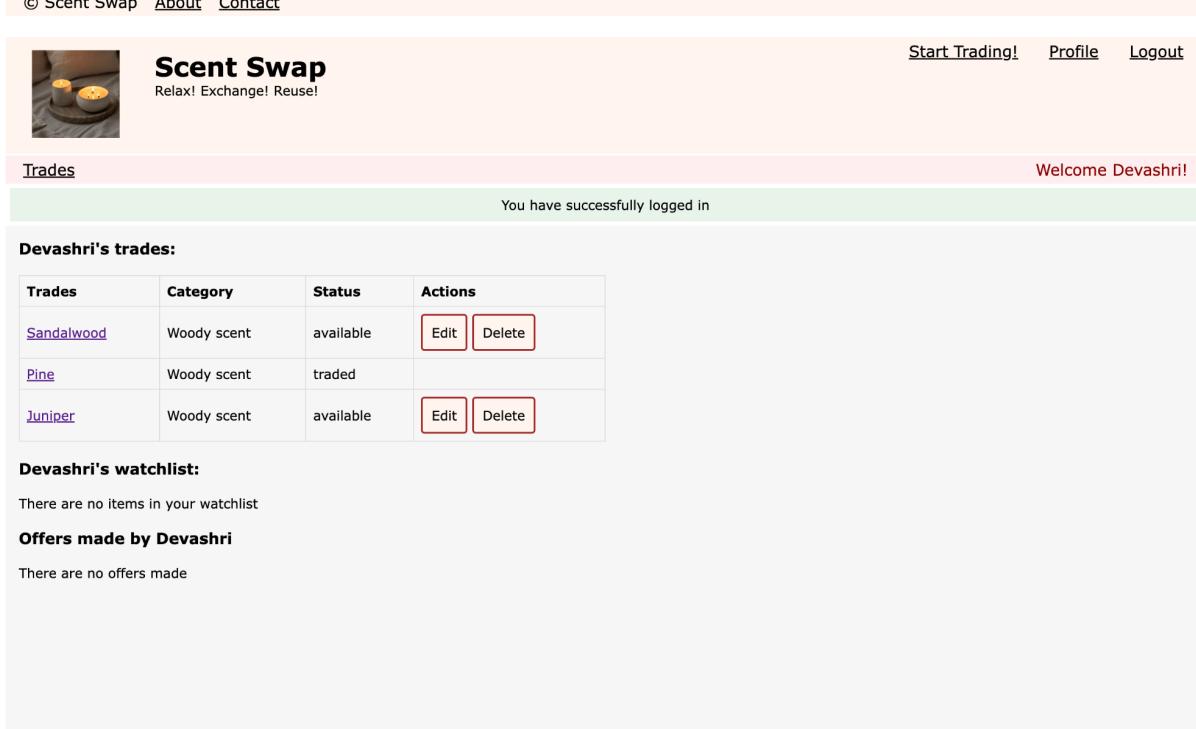
A screenshot of a web browser window displaying the 'Scent Swap' application. The URL is 'localhost:3000'. The page features a header with the 'Scent Swap' logo and tagline 'Relax! Exchange! Reuse!', a 'Start Trading!' link, a 'Profile' link, and a 'Logout' link. The user 'Devashri' is logged in, as indicated by the 'Welcome Devashri!' message in the top right. A red flash message bar at the top states 'Unauthorized to perform this action'. The main content area includes a 'Trades' navigation bar and a section titled 'Hey there!' containing promotional text about trading scented candles.

Web security:

Case-insensitive email address:



The screenshot shows the Scent Swap login interface. At the top right, there are links for "Sign up" and "Login". Below the header, there is a small image of three lit candles. The main form area contains fields for "Email Address" (with the value "DGADGIL@UNCC.EDU") and "Password" (with a masked value). A red-bordered "Login" button is centered below these fields. At the bottom left of the page, there are links for "About" and "Contact".



The screenshot shows the Scent Swap dashboard for user Devashri. At the top right, there are links for "Start Trading!", "Profile", and "Logout". Below the header, there is a small image of three lit candles. The main content area starts with a green banner that says "Welcome Devashri!". Below this, a section titled "Trades" displays a table of trade history. The table has columns for "Trades", "Category", "Status", and "Actions". It lists three entries: "Sandalwood" (Woody scent, available), "Pine" (Woody scent, traded), and "Juniper" (Woody scent, available). Each entry has "Edit" and "Delete" buttons in the "Actions" column. Below the table, there is a section titled "Devashri's watchlist:" which states "There are no items in your watchlist". There is also a section titled "Offers made by Devashri" which states "There are no offers made".

Handling too many login requests:



Scent Swap

Relax! Exchange! Reuse!

[Sign up](#) [Login](#)

[Trades](#)

429 Error

Too many requests. Try again later

© Scent Swap [About](#) [Contact](#)

Status:

Complete. All given requirements for milestone 5 are successfully incorporated.