

USER TESTING				
BackEnd				
Test Case Number	Description	Step	Observation	
1	Load Carousel site	Go to <a href="https://tgc-20-project-03-timothy-ho.onrender.com/">https://tgc-20-project-03-timothy-ho.onrender.com/</a>	Page should not crash.	
2	View landing page	Click on the 'Home' Button in the nav bar. Site <a href="https://tgc-20-project-03-timothy-ho.onrender.com/">https://tgc-20-project-03-timothy-ho.onrender.com/</a>	View Welcome Page, which displays "Staff: Soap Paradies".	
3	Search Soap	Click on the 'Show Soaps' Button in the nav bar. Site <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products">https://tgc-20-project-03-timothy-ho.onrender.com/products</a>	1. All soap posts already in database will display under the search results. (may need to wait up to 3-4 minutes for Render to boot up).	
3B	Detailed Soap Search	Click 'Fill in detailed search' accordion drop down 1. Accordion dropdown of detail search will appear. 2. Fill in search by 'name, cost, width, height, oils, smells'. Then, click Search. 3. Validation is done by Caolan forms to make sure cost, width and height are integers being searched. 4. Detailed results of soap based on filter criteria will appear.	Open Offcanvas detailed search panel. 1. Name: Chamomile 2. Enter Min_cost: 2000 3. Enter Min_width: 16 4. Enter Min_height: 14 5. Enter Shape: Square 6. Enter Oil: Aloe Vera Oil 7. Enter Smells: Fresh, Airy 8. Click Search. Only one soap fulfilling all criteria will appear.	
3C	See information of Soap	1. Soaps will display information on 'name, image, cost, width, height, oils, smells'. A variant button will be shown to lead to 'variant' page.	All soap information will be organised in a table format.	
4	Login in as owner or staff	1. Click the login button on top right of screen. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/accounts/login">https://tgc-20-project-03-timothy-ho.onrender.com/accounts/login</a> 2. Enter email and password to login. 3. Details of owner account: email: owner@gmail.com password:Password@123 4. Details of staff account: email: staff@gmail.com password:Password@123 5. Click login button to login.	Upon successful login, welcome message and first name and last name in user profile is displayed. Upon failed login, user remains on login page and error message of failed login is informed.	
4B	Logout of account	1. Click the logout button on top right of screen. 2. User must have logged in to view this logout button.	Upon successful logout, a goodbye message is displayed and user is redirected to the login page	
5	Add new Soap Product post	1. Click on create soap button in the main nav bar. It will lead to this Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/create">https://tgc-20-project-03-timothy-ho.onrender.com/products/create</a> 2. Fill in details of name, cost, width, height, oils, smells and image of soap product. 3. Click add product. 4. Creation of new product is available for only the owner account.	1. When product is added, user is redirected to product page. Variant is viewable in the table now.	

5B	Edit Soap Variant Info	<ol style="list-style-type: none"> <li>1. Click on update button under Soap Products page to go to edit soap page. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/2/variants/3/update">https://tgc-20-project-03-timothy-ho.onrender.com/products/2/variants/3/update</a></li> <li>2. Update of new product is available for only the owner account.</li> </ol>	<ol style="list-style-type: none"> <li>1. Existing information of soap will be populated under name, cost, width, height, oils, smells and image of soap product.</li> <li>2. Replace existing soap data with new updated version. Click update product.</li> <li>3. When soap is updated, user is redirected to product page. Updated Product is viewable in the table now.</li> </ol>	
5C	Delete Soap Variant	<ol style="list-style-type: none"> <li>1. Click on remove button under Soap Products page to go to delete product page. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/delete/10">https://tgc-20-project-03-timothy-ho.onrender.com/products/delete/10</a></li> <li>2. Deletion of new product is available for only the owner account.</li> </ol>	<ol style="list-style-type: none"> <li>1. User is redirected to confirm page for deletion.</li> <li>2. When confirmed, soap product is deleted. Otherwise, it is not deleted.</li> <li>3. Soap with many variants will have all the variants deleted once the soap product is deleted.</li> </ol>	
6	See Soap Variant Info	<ol style="list-style-type: none"> <li>1. Variants will display information on 'name, image, stock, colors, last updated, changes'.</li> </ol>		
6B	Add new Soap Variant post	<ol style="list-style-type: none"> <li>1. Click on add variant button under the soap product page. It will lead to this Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/10/variants/create">https://tgc-20-project-03-timothy-ho.onrender.com/products/10/variants/create</a></li> <li>2. Fill in details of name, stock, last updated, color and image of variant.</li> <li>3. Click add product.</li> </ol>	<ol style="list-style-type: none"> <li>1. When variant is added, user is redirected to variant page. Variant is viewable in the table now.</li> </ol>	
6C	Edit Soap Variant Info	<ol style="list-style-type: none"> <li>1. Click on update button under Soap Variants page to go to edit variant page. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/2/variants/3/update">https://tgc-20-project-03-timothy-ho.onrender.com/products/2/variants/3/update</a></li> <li>2. Update of variant is available for both owner account and staff account.</li> </ol>	<ol style="list-style-type: none"> <li>1. Existing information of soap will be populated under 'name, stock, colors, last updated, image upload'.</li> <li>2. Replace existing variant data with new updated version. Click submit.</li> <li>3. When variant is updated, user is redirected to variant page. Updated Variant is viewable in the table now.</li> </ol>	
6D	Delete Soap Variant	<ol style="list-style-type: none"> <li>1. Click on delete button under Soap Variants page to go to edit variant page. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/products/10/variants/20/delete">https://tgc-20-project-03-timothy-ho.onrender.com/products/10/variants/20/delete</a></li> </ol>	<ol style="list-style-type: none"> <li>1. User is redirected to confirm page for deletion.</li> <li>2. When confirmed, variant is deleted. Otherwise, it is not deleted.</li> </ol>	
7	Add new account	<ol style="list-style-type: none"> <li>1. Click on create account button in the main nav bar. It will lead to this Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/accounts/register">https://tgc-20-project-03-timothy-ho.onrender.com/accounts/register</a></li> <li>2. Fill in details of first name, last name, contact number, email, password, confirm password, created date and modified date.</li> <li>3. Click Register Account.</li> <li>4. All fields are compulsory and validated. Contact number must be integer, email must be in right format, password and confirm password fields must match.</li> <li>5. Creation of new product is available for only the owner account.</li> </ol>	<ol style="list-style-type: none"> <li>1. When account is added, user is redirected to login page. Message is displayed on successful creation of account.</li> </ol>	
8	View all orders	<ol style="list-style-type: none"> <li>1. Click on See Orders button in the main nav bar. It will lead to this Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/orders">https://tgc-20-project-03-timothy-ho.onrender.com/orders</a></li> <li>2. Order information is displayed, including order id, buyer account, email, delivery address, mode of payment, cost, status of order, delivery date and URL of order.</li> </ol>	<ol style="list-style-type: none"> <li>1. All previous orders from FE is displayed in a table format.</li> </ol>	

8B	Edit Order Info	<p>1. Click on update button under Order page to go to edit order page. Site: <a href="https://tgc-20-project-03-timothy-ho.onrender.com/orders/update/1">https://tgc-20-project-03-timothy-ho.onrender.com/orders/update/1</a></p> <p>2. Update of order is available for only the owner account.</p>	<p>1. Existing information of soap will be populated delivery address, postal code, mode of payment, delivery date, status of order.</p> <p>2. Replace existing soap data with new updated version. Click update product.</p> <p>3. When soap is updated, user is redirected to order page. Updated Order is viewable in the table now.</p>	
<b>FrontEnd</b>				
<b>Test Case Number</b>	<b>Description</b>	<b>Step</b>	<b>Observation</b>	
1	Load Soap Paradies FE site	Go to <a href="https://project-03-soap-paradies.netlify.app/">https://project-03-soap-paradies.netlify.app/</a>	Page should not crash.	
2	View about page	Click on the 'About' Button in the nav bar. Site <a href="https://project-03-soap-paradies.netlify.app/about">https://project-03-soap-paradies.netlify.app/about</a>	Able to view picture and add about us description.	
3	Login in as user	<p>1. Click the login button on the navbar. Site: <a href="https://project-03-soap-paradies.netlify.app/login">https://project-03-soap-paradies.netlify.app/login</a></p> <p>2. Enter email and password to login.</p> <p>3. Details of user account: email: user@gmail.com password:Password@123</p> <p>4. Validation is done when incorrect email format (use wrong format like eeemail.com) is keyed and when password is left empty. Need to leave one field empty for validation message to <a href="#">appear</a>. <a href="#">To</a> see validation click the submit, then type again in the text input field. Validation message will appear under the input fields.</p>	<p>Upon successful login, welcome message and first name and last name in user profile is displayed.</p> <p>Upon failed login with a wrong password, user is directed to create account page and error message of failed login is informed.</p>	
3B	Logout of account	<p>1. Click the logout button on top right of screen.</p> <p>2. User must have logged in to be able to logout successfully.</p>	Upon successful logout, a goodbye message is displayed and user is redirected to the login page	
4	Add new account	<p>1. Click on login button in nav bar, then click new user button on login page. It will lead to this Site: <a href="https://project-03-soap-paradies.netlify.app/register">https://project-03-soap-paradies.netlify.app/register</a></p> <p>2. Fill in details of first name, last name, contact number, email, password, confirm password.</p> <p>3. Click Create Account.</p> <p>4. All fields are compulsory and validated. Contact number must be integer, email must be in right format, password and confirm password fields must match.</p> <p>5. To see validation click the submit, then type again in the text input field. Validation message will appear under the input fields.</p>	1. When account is added, user is redirected to login page. Message is displayed on successful creation of account.	
5	Search Soap	Click on the 'Product' Button in the nav bar. Site <a href="https://project-03-soap-paradies.netlify.app/products">https://project-03-soap-paradies.netlify.app/products</a>	1. All soap posts already in database will display under the search results. (may need to wait up to 2-3 minutes for Render to boot up).	

5B	Detailed Soap Search	<p>Click 'Fill in detailed search' accordion drop down</p> <ol style="list-style-type: none"> <li>1. Accordion dropdown of detail search will appear.</li> <li>2. Fill in search by 'name, cost, width, height, oils, smells'. Then, click Search.</li> <li>3. Validation is done by Caolan forms to make sure cost, width and height are integers being searched.</li> <li>4. Detailed results of soap based on filter criteria will appear.</li> </ol>	<p>Open Accordion detailed search panel.</p> <ol style="list-style-type: none"> <li>1. Name: Charcoal</li> <li>2. Enter Min_cost: 1500</li> <li>3. Enter Min_width: 15</li> <li>4. Enter Min_height: 17</li> <li>5. Enter Oil: Soy Bean Oil</li> <li>6. Enter Smells: Fresh, Clean</li> <li>7. Click Search. Only one soap fulfilling all criteria will appear.</li> </ol>	
5C	See information of Soap	<ol style="list-style-type: none"> <li>1. Soaps will display information on 'name, image, cost, width, height, oils, smells'. Clicking on the soap product card will lead to 'variant' page.</li> </ol>	All soap information will be organised in a card format. Organised as column layout.	
6	View variant post	<ol style="list-style-type: none"> <li>1. View variant product. It will lead to this Site: <a href="https://project-03-soap-paradies.netlify.app/products/2/variants">https://project-03-soap-paradies.netlify.app/products/2/variants</a></li> <li>2. Information displayed will be of name, oil and price of variant product.</li> </ol>	<ol style="list-style-type: none"> <li>1. A variant page with a large picture of it will be shown. This is auto default selected first variant to display.</li> <li>2. Click on variant image to alternate to display information of other variants.</li> </ol>	
6B	Add variant to cart	<ol style="list-style-type: none"> <li>1. Click on green add to cart button below variant to add the variant to shopping cart.</li> <li>2. User must be logged in to add to cart.</li> </ol>	<p>Upon successful add to cart, success message is displayed.</p> <p>Upon failed add to cart, failed message is displayed.</p>	
7	View shopping cart	<ol style="list-style-type: none"> <li>1. Click on the shopping cart icon on the nav bar to open up cart offcanvas panel.</li> </ol>	All available items that was added to cart can be displayed in the shopping cart.	
7B	Edit Shopping Cart	<ol style="list-style-type: none"> <li>1. Click on edit button under shopping cart item to edit shopping cart details.</li> <li>2. User must be logged in to update cart.</li> </ol>	<ol style="list-style-type: none"> <li>1. Existing quantity information of shopping cart item will be populated in the text box.</li> <li>2. Replace existing quantity information with new updated version. Click confirm update.</li> <li>3. When soap is updated, new value will be reflect in the quantity field.</li> </ol>	
7C	Delete Soap Variant	<ol style="list-style-type: none"> <li>1. Click on delete button under shopping cart item to edit shopping cart item.</li> <li>2. User must be logged in to delete cart.</li> </ol>	<ol style="list-style-type: none"> <li>1. Success message should appear when item is deleted.</li> <li>2. Close offcanvas shopping cart and reopen to see that item is deleted.</li> </ol>	
8	Pay for shopping cart	<ol style="list-style-type: none"> <li>1. Click on the Checkout Cart Button under shopping cart to open Stripe payment page.</li> <li>2. Enter necessary stripe information.</li> <li>3. Click pay to submit payment details.</li> </ol>	<ol style="list-style-type: none"> <li>1. Checkout loading page is displayed on redirect to payment page.</li> </ol>	
8B	Finished paying for Shopping	<ol style="list-style-type: none"> <li>1. User will be redirected to FE success page after completion of Stripe payment.</li> <li>2. Click on About Us to view details on company after landing on success page.</li> <li>3. Click on redirect to payment page again if Stripe Checkout failed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Success message is seen on page "Thank you for shopping with us. See you again!"</li> <li>2. If Stripe payment failed, error page with an error message is displayed to user.</li> </ol>	
9	View all orders	<ol style="list-style-type: none"> <li>1. Click on See Orders button in the main nav bar. It will lead to this Site: <a href="https://project-03-soap-paradies.netlify.app/orders">https://project-03-soap-paradies.netlify.app/orders</a></li> <li>2. Order information is displayed, including order id, first name, email, postal code, cost, status of order, receipt info, order date, delivery date.</li> </ol>	<ol style="list-style-type: none"> <li>1. All previous orders is displayed in a table format.</li> <li>2. Clicking on receipt info URL link will open up Stripe invoice document details.</li> </ol>	