

OWASP Juice Shop (Basic functionality) - Bug Report

Bug #1 - Ambiguous and misleading cookie consent message

► **Description:** The cookie consent message on the OSWAP Juice Shop website is unclear and potentially misleading. The message, *"This website uses fruit cookies to ensure you get the juiciest tracking experience. But me wait!"*, does not adequately inform users about cookie usage or the type of data being tracked. This can lead to confusion and raises serious security concerns due to the lack of transparency.

► **Steps to Reproduce:**

- 1 Open the OSWAP Juice Shop website in a web browser
- 2 Observe the cookie consent message displayed on the homepage
- 3 Note that the message lacks clarity and fails to explain the purpose or implications of accepting cookies

► **Expected Result:**

The cookie consent message should clearly and transparently explain:

- What cookies are being used for
- What data is being collected and for what purpose
- And provide users with options to accept, reject, or customize cookie preferences

► **Actual Result:**

The message is vague, uses playful language ("fruit cookies" and "juiciest tracking experience"), and does not explain the purpose of cookies or provide user options, potentially violating data protection regulations

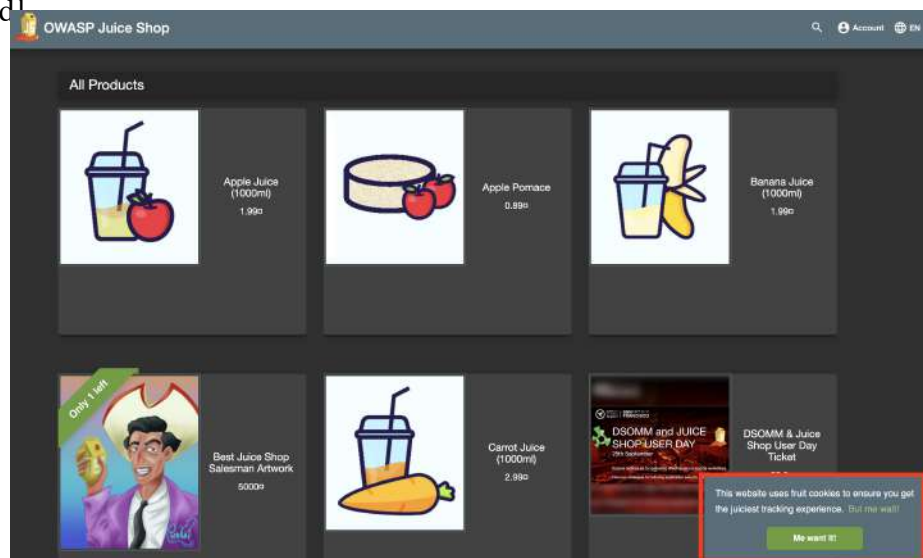
► **Environment:**

- Browser: Chrome 131.0
- OS: macOS Sonoma]
- URL: <https://juice-shop.herokuapp.com/#/search>

► **Severity:** High

- **Reason:** Misleading cookie consent messaging can lead to a lack of user trust and may expose the website to compliance risks under privacy laws

► **Attachments:** [Screenshot included]



Bug #2 - Lack of indication for adding fruits to the cart and login requirement

► **Description:** The OSWAP Juice Shop website does not provide clear indications for users to add fruits to the cart. Additionally, there is no notification that the fruit items in the cart will only be available after logging in, leading to confusion and frustration for users

► **Steps to Reproduce:**

- 1 Open the OSWAP Juice Shop website in a web browser
- 2 Browse through the fruit selection and try to add fruits to the cart
- 3 Observe that there are no clear indicators (e.g., buttons or notifications) suggesting that fruits can be added to the cart
- 4 Attempt to proceed to checkout and notice that there is no cart, with no indication that login is required to complete the process

► **Expected Result:**

The website should:

- Provide clear, visible options or buttons to add fruits to the cart
- Indicate that login is required to view and complete the cart process before users attempt to add fruits
- Display a notification or prompt explaining that the cart will only be accessible after login

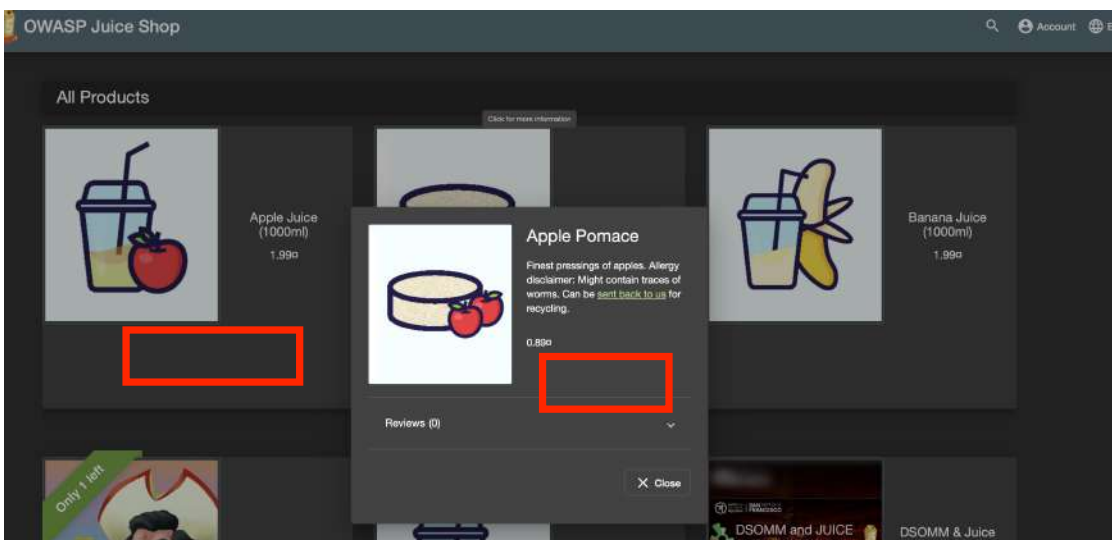
► **Actual Result:** Users are unsure how to add fruits to the cart due to a lack of indicators. The system does not inform users that login is required to view or complete their cart, leading to confusion

► **Environment:**

- Browser: Chrome 131.0
- OS: macOS Sonoma
- URL: <https://juice-shop.herokuapp.com/#/search>

► **Severity:** Major. **Reason:** The absence of clear indications for adding items to the cart and the lack of login information disrupts the user experience and may lead to frustration. This also limits the website's usability.

► **Attachments:** [Screenshot included]



Bug #3 - 'About Us' page displayed in non-English, causing more doubts and confusion

► **Description:** The OSWAP Juice Shop website is displayed in English, but the "About Us" page is shown in a different language. This inconsistency will raise doubts among users and may create confusion about the site's credibility and accessibility

► **Steps to Reproduce:**

- 1 Open the OSWAP Juice Shop website in a web browser
- 2 Navigate to the "About Us" page via the site's left side navigation menu
- 3 Observe that the "About Us" page is displayed in a language different from the rest of the website (which is in English)

► **Expected Result:** The "About Us" page should be displayed in English (or the same language as the rest of the website) to maintain consistency and ensure clarity for users

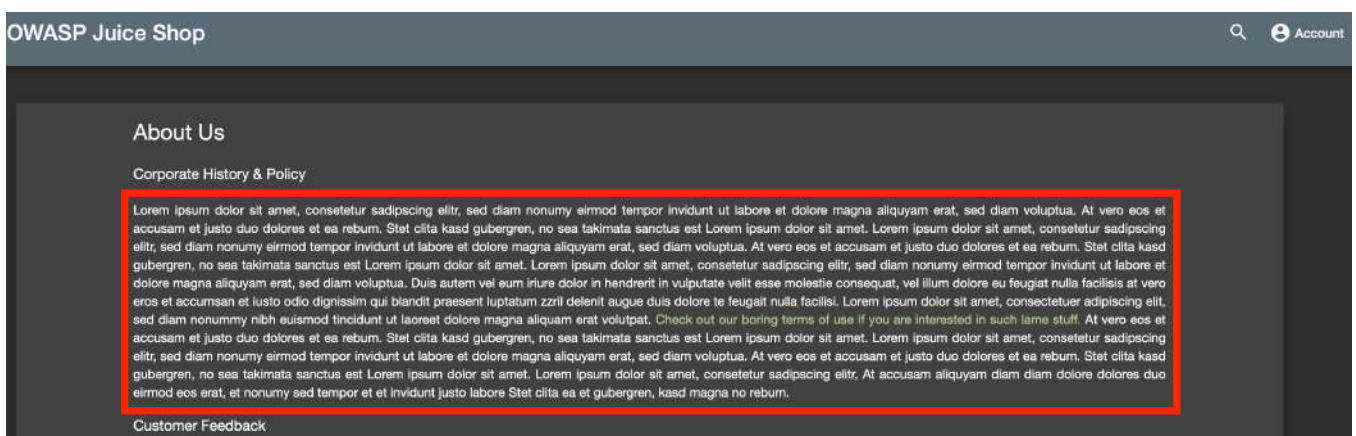
► **Actual Result:** The "About Us" page is displayed in a different language, creating confusion and raising doubts among users about the site's credibility

► **Environment:**

- Browser: Chrome 131.0
- OS: macOS Sonoma
- URL: <https://juice-shop.herokuapp.com/#!/about>

► **Severity:** Major. **Reason:** The inconsistency between the site's language and the "About Us" page creates a poor user experience and may undermine trust in the site's professionalism and accessibility

► **Attachments:** [Screenshot included]



Bug #4 - Unable to close Customer Feedback popup and Submit button disabled

► **Description:** The customer feedback popup does not have a clear way to be closed. Users are unable to close the popup by clicking outside it, and there is no "X" button within the popup. Additionally, the submit button remains disabled unless the rating is changed at least once, even if the rating is set to 0 (It should be considered least rating)

► **Steps to Reproduce:**

- 1 Open the OSWAP Juice Shop website and navigate to customer feedback page which opens customer feedback popup
- 2 Attempt to close the popup by clicking outside of it
- 3 Observe that the popup does not close when clicking outside, and there is no "X" button to close it
- 4 Keep the rating of 0
- 5 Observe that the submit button is still disabled even though a rating has been selected (according to user)
- 6 Attempt to move the rating (drag or change it) and notice that the submit button becomes enabled only after the rating is moved

► **Expected Result:** The customer feedback popup should be dismissible by clicking outside of it or via an "X" button inside the popup. The submit button should be enabled once any rating is selected, and users should not be required to move the rating for the button to be enabled.

► **Actual Result:**

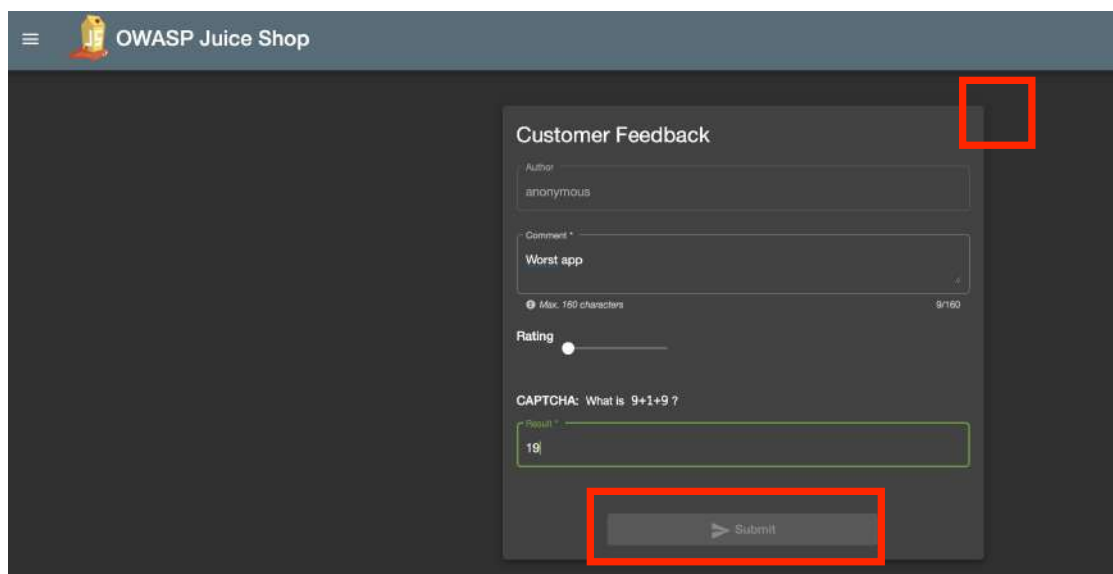
The popup cannot be closed by clicking outside, and there is no "X" button to close it manually. The submit button remains disabled unless the rating is moved, even if the rating is initially set to 0.

► **Environment:**

- Browser: Chrome/Safari 131.0
- OS: macOS Sonoma
- URL: <https://juice-shop.herokuapp.com/#!/contact>

► **Severity:** Moderate. **Reason:** While the issue does not block core functionality, the inability to close the popup and the behavior of the submit button negatively impact user experience and could lead to frustration.

► **Attachments:** [Screenshot included]



Bug #5 - Issues with cart functionality and price display

► Description:

There are multiple issues with the cart functionality on the OSWAP Juice Shop website:

- 4 Users are unable to remove an item with a quantity of 1 by clicking the "-" sign; they must click on the delete icon
- 5 The total cart price is not rounded when certain items are added to cart (eg: Fruit Press, DSOMM & Juice Shop User Day Ticket), leading to a potentially confusing user experience
- 6 In Safari, clicking the "-" button for an item causes a "page refresh effect, which can confuse users and disrupt the interaction

► Steps to Reproduce:

- 1 Navigate to website & login with registered user
- 2 Add items to the basket and set the quantity of one item to 1
- 3 Try to remove the item by clicking the "-" button from Basket
- 4 Observe that the item cannot be removed unless the delete icon is clicked
- 5 Check the total cart price and observe that it is not rounded
- 6 Open the site in Safari and click the "-" button for an item in the cart
- 7 Observe the "page refresh" effect, which may cause confusion or disorientation for the user

► Expected Result:

- 1 The "-" sign should be able to remove items with a quantity of 1 directly, without needing to click the delete icon
- 2 The total cart price should be rounded for better clarity and consistency
- 3 In Safari, clicking the "-" button should not cause a "page refresh" effect; the cart should update smoothly

► Actual Result:

- 1 The "-" sign does not remove items with a quantity of 1; the delete icon must be clicked instead
- 2 The total cart price is not rounded, which can cause confusion
- 3 In Safari, clicking the "-" button causes an undesirable page dance effect, potentially confusing users

► Environment:

- Browser: Safari, Chrome 131.0
- OS: macOS Sonoma
- URL: <https://juice-shop.herokuapp.com/#/search>

► **Severity:** Moderate. **Reason:** While these issues do not block the cart's core functionality, they negatively affect the user experience and could lead to frustration

► **Attachments:** [Screenshot included]

Your Basket (76yhggfg1@yopmail.com)



Apple Pomace

- 4 +

0.89₮



DSOMM & Juice Shop User Day Ticket

- 1 +

55.2₮



Total Price: 58.760000000000005₮

 Checkout

You will gain 6 Bonus Points from this order!

Bug #6 - Item price not updating when quantity is incremented from Basket

► **Description:** When increasing the quantity of an item in the basket, the total price is correctly updated to reflect the increased quantity, but the individual item price for the increased quantity is not being displayed in the basket.

► **Steps to Reproduce:**

- 1 Launch app & login to app with existing user
- 2 Add an item to the basket
- 3 Increase the quantity of the item in the basket
- 4 Observe the item price in the basket
- 5 Observe the total price of the basket
- 6 The total price will reflect the updated quantity, but the price for the individual item does not update accordingly.

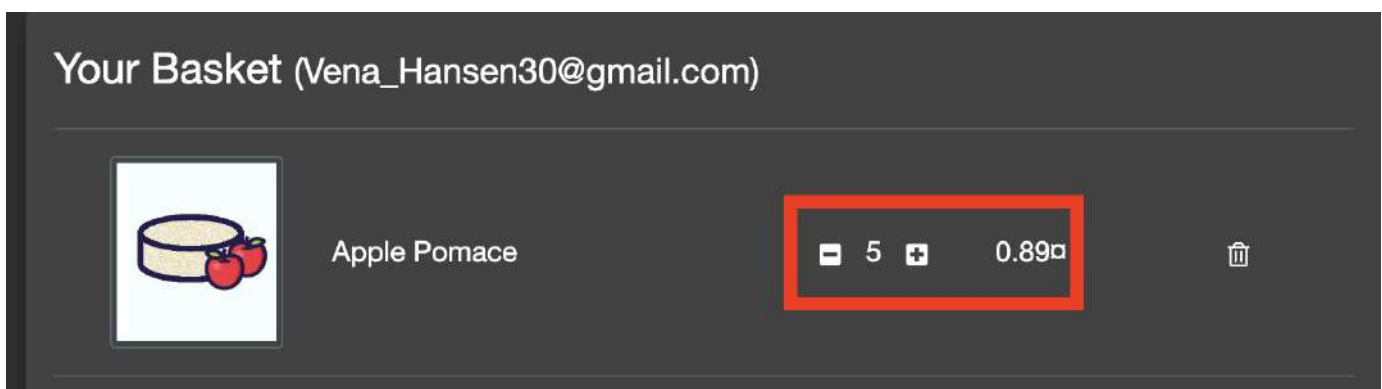
► **Expected Behavior:** The price of the individual item should update in the basket to reflect the new quantity, showing the unit price multiplied by the updated quantity

► **Actual Behavior:** The total price correctly increases as the quantity is incremented, but the individual item price for the updated quantity does not reflect the change in the basket, causing confusion to the user

► **Environment:**

- Browser: Chrome 131.0
- OS: macOS Sonoma
- URL: <https://juice-shop.herokuapp.com/#!/search>

► **Severity:** High. **Reason:** It affects the user's ability to verify the correct pricing of items in the basket



Bug #7 - Search Functionality not restoring Products List

► Description:

When searching for a product, the relevant items are displayed correctly. However, after clearing the search field, the full list of products is not restored automatically. The user cannot return to the full product list unless the Home button is explicitly clicked.

► Steps to Reproduce:

- 1 Launch the app and log in with an existing user
- 2 Navigate to the product catalog or home page
- 3 Search for a product using the search field
- 4 Observe the Search results are fine for the search text entered
- 5 Clear the search term from the search field
- 6 Observe that the product list does not revert to the default state and query string from URL is still shown as <https://juice-shop.herokuapp.com/#/search?q=bana>
- 7 And only previously searched results are shown and not the full product catalog
- 8 User should be able to navigate back to the full product list without using the Home button

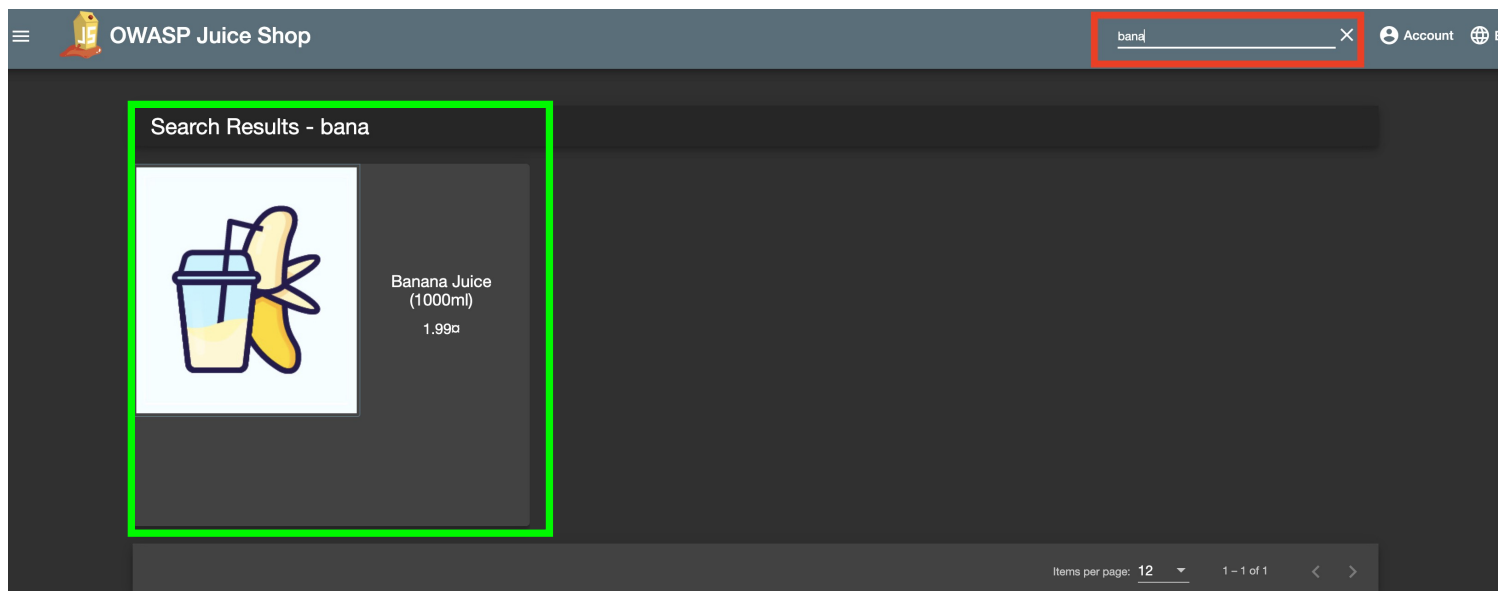
► **Expected Behavior:** Clearing the search field should automatically restore the complete list of products without requiring additional user actions like clicking the OWASP Juice Shop Home button.

► **Actual Behavior:** Clearing the search field leaves the product list blank, and the user must click the Home button to return to the default product list.

► Environment:

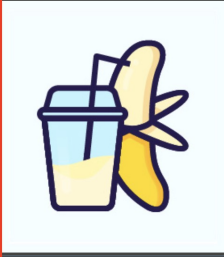
- **Browser:** Chrome 131.0
- **OS:** macOS Sonoma
- **URL:** <https://juice-shop.herokuapp.com/#/search>

► **Severity:** Moderate. **Reason:** This issue disrupts the user flow, making it less intuitive to return to the product catalog after performing a search.





Search Results - bana



Banana Juice
(1000ml)
1.99€