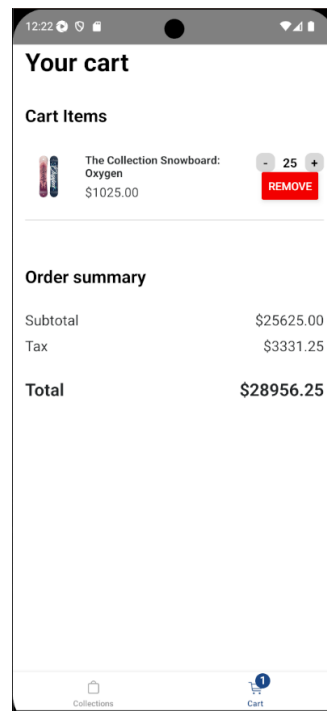


Defect Identification

1. Bugs

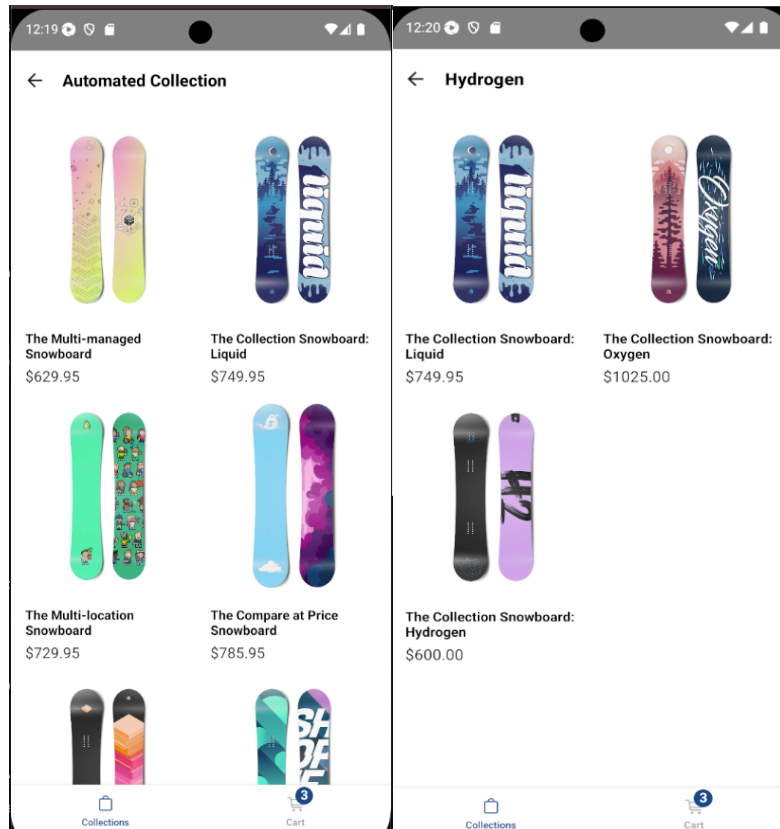
Bug 1: The cart counter does not update when adding multiple products of the same type

- Steps to reproduce the issue:
 - Open the mobile application.
 - Navigate to the page of a product (e.g., a specific product in the collection).
 - Add the same product to the cart multiple times.
 - Check the product counter in the cart icon.
- Expected behavior: When adding the same product to the cart multiple times, the cart counter should reflect the correct quantity of items. For example, if you add the same product twice, the counter should show "2".
- Actual behavior: The cart counter does not update when adding multiple items of the same product. The counter remains at "1" even though the product has been added multiple times.
- Severity: High



Bug 2: Duplicate products in differents collections

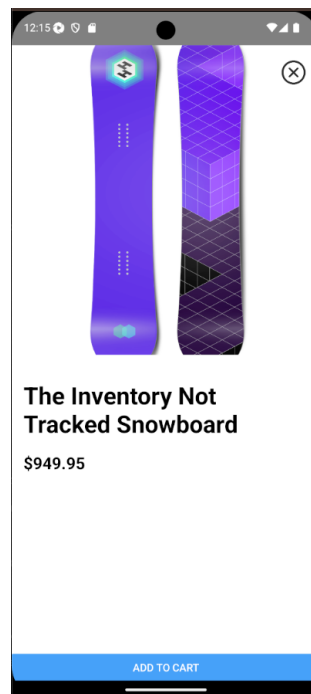
- Steps to reproduce the issue:
 - Open the mobile application.
 - Navigate to “Automated Collection” and select “Liquid”.
 - Navigate to “Hydrogen Collection” and select “Liquid”
- Expected behavior: No duplicate products should exist within different collections. Each product should appear only once.
- Actual behavior: There are duplicate products in some collections, which causes confusion for users and affects their navigation through the store.
- Severity: Medium



Bug 3: Product images in product details are cropped

- Steps to reproduce the issue:
 - Open the mobile application.

- Navigate to a product detail page.
- Check how the product images are displayed in the product details section.
- Expected: The product images on the product detail screen should be displayed fully, without cropping, and should fit the design of the interface.
- Actual: The product images on the product detail screen appear cropped, which can hinder users from fully viewing the product and negatively affect the user experience.
- Severity: Medium



Bug 4: Image loading times are very high

- Steps to reproduce the issue:
 - Open the mobile application.
 - Navigate to a product detail page.
 - Wait for the product list to load completely
 - Choose a product and wait for the product details image to load completely.
 - Observe the amount of time it takes for the images to appear on the screen.
- Expected: The product images should load quickly and be displayed in a short period of time (ideally within 3 seconds).

- Actual: The image loading times are excessively long, creating a poor user experience as users wait to see the complete product.
- Severity: High

Bug 5: The "Collections" button in the menu should navigate to the "Home" page, but it navigates to the previous screen instead

- Steps to reproduce the issue:
 - Open the mobile application.
 - Navigate to the "Home Page"
 - Add a product to the cart
 - In the cart screen click the "Collections" button in the TabBar.
 - Observe the screen you are navigated to.
- Expected: Clicking the "Collections" button should navigate the user to the "Menu" page of the application, allowing them to view all the available collections.
- Actual: Instead of navigating to the "Home page", clicking the "Collections" button takes the user to the previous screen, which is unexpected behavior.
- Severity: Medium

2. Suggested improvements

Suggested Improvement 1: Products should have unique IDs to improve automation stability

- Issue: Currently, some products do not have unique identifiers, which could cause instability in automation and make it difficult to locate the elements reliably.
- Suggested Improvement: Assign unique IDs to each product in the collection. This will make it easier for automation tools like WebDriverIO to interact with specific products consistently, improving the stability of the tests.
- Expected Outcome: Automation scripts will be more reliable and less prone to failure due to changes in the UI. It will also make it easier to locate and interact with elements during automation.

Suggested Improvement 2: Avoid locating elements by coordinates, as it can affect testing across different devices

- Issue: Some elements are located by screen coordinates. This can cause problems when running the tests on devices with different screen resolutions or dimensions, as the coordinates may not align correctly.

- Suggested Improvement: Avoid locating elements by fixed screen coordinates and instead rely on attributes such as IDs, class names, text, or other robust selectors. This will ensure that elements are located consistently across different devices and screen sizes.
- Expected Outcome: The tests will be more stable and adaptable to different devices, improving the robustness and accuracy of automation tests.

Suggested Improvement 3: Fix incorrectly named elements

- Issue: Some elements are named incorrectly, which may lead to confusion and failures in automation scripts. For instance, using generic names or inconsistent naming conventions could make the elements harder to locate.
- Suggested Improvement: Ensure all elements have meaningful, clear, and consistent names that align with their purpose in the application. This will help both manual and automated testing, making it easier to identify and interact with elements.
- Expected Outcome: Automation tests will be more reliable and easier to maintain. The UI will also be more understandable for developers and testers, reducing the likelihood of errors caused by poorly named elements.