Exploratory testing

Application: OWASP Juice Shop

Bug Report: Language Change Not Working

1. Bug Title:

Language Change Message Displays, but Language Remains English

2. Environment:

- **Version:** not available
- **Browser:** Chrome 123.0, Firefox 115.0
- **OS:** Windows 10
- **Device:** Desktop

3. Steps to Reproduce:

1. Open the application.
2. Navigate to the **Settings** or **Language Selection** menu.
3. Select any language other than English (e.g., German, Spanish).
4. Observe that a confirmation message appears stating "New language is selected."
5. Refresh the page or navigate to a different section of the app.

4. Expected Result:

- The application's UI should change to the selected language.
- Text labels, buttons, and navigation should reflect the chosen language.

5. Actual Result:

- The message **"New language is selected"** is displayed.
- However, the UI remains in **English**, and no actual language change occurs.
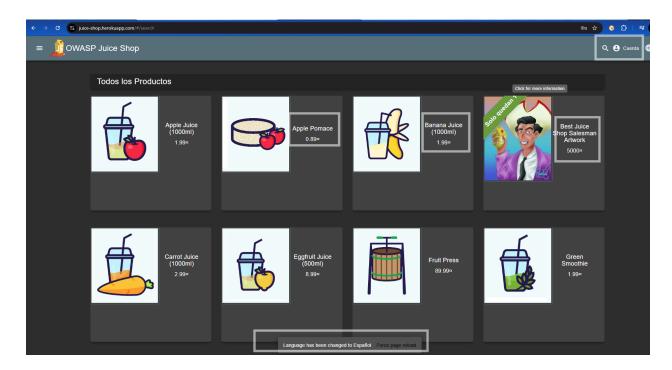
6. Severity:

🟧 **High** – The language selection feature is non-functional, impacting non-English users.

7. Additional Notes:

- Issue persists even after refreshing the page.
- Clearing cookies/cache does not resolve the issue.

- Possible causes:
  - Language preference is not stored in local storage or session storage.
  - Backend API does not correctly update language settings.

8. Screenshots/Videos:

Bug Report: User Credentials Not Persisted – Data Loss Issue

1. Bug Title:

User Credentials Not Stored, Leading to Frequent Account Recreation and Data Loss

2. Environment:

- **Version:** not available
- **Browser:** Chrome
- **OS:** Windows 10
- **Device:** Desktop

3. Steps to Reproduce:

1. Register a new user account on the application.

2. Log in and perform actions like adding an address, placing an order, or adding payment details.
3. Wait for a few minutes (or log out and return later).
4. Attempt to log in with the previously created credentials.
5. Observe that the login fails, requiring a new account registration.
6. Check the **customer records, order history, addresses, and payment details**—all data is missing.

4. Expected Result:

- User credentials should be stored persistently.
- Login should work after a session expires.
- Customer data, order history, and payment details should be retained.

5. Actual Result:

- User credentials are lost after some time.
- Users must create new accounts repeatedly.
- All associated records (orders, addresses, payments) are deleted.

6. Severity:

🟥 **Critical** – Prevents users from maintaining accounts and leads to data loss.

7. Additional Notes:

- **Possible Causes:**

    - **Database reset:** The system might be periodically clearing user data.
    - **Missing persistent storage:** No database persistence for user credentials.
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Bug Report: Password Character Counter Inconsistency

1. Bug Title:

Password and Repeat Password Character Counters Display Incorrect Limits

2. Environment:

- **Platform:** Web Application
- **OS:** Windows 10
- **Browsers:** Chrome 123.0, Firefox 115.0
- **Device:** Desktop

3. Steps to Reproduce:

1. Open the password creation form.
2. Observe the password field requirements (5-40 characters long).
3. Start typing a password and note the character counter behavior.
4. Repeat the same for the "Repeat Password" field.

4. Expected Result:

- Both character counters should correctly reflect the defined password limits (5-40 characters).
- The numbers displayed should match the actual password length constraints.

5. Actual Result:

- The **Password field** shows a **0/20** counter, which contradicts the requirement of **5-40** characters.
- The **Repeat Password field** shows a **0/40** counter, which aligns with the max limit but is inconsistent with the Password field.
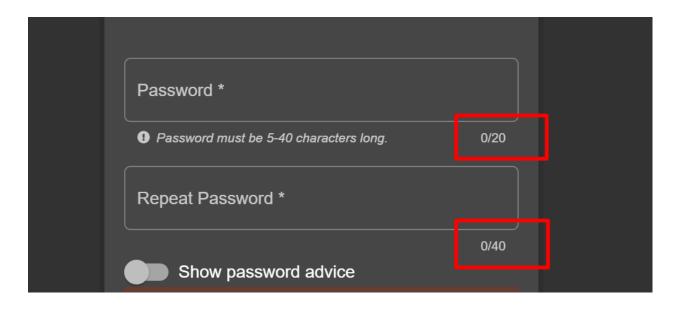
6. Severity: 🟨 Medium

- Can cause confusion for users entering passwords.
- Might indicate an incorrect implementation of character limit validation.

7. Additional Notes:

- This issue could be due to a mismatch between front-end validation and UI display.
- The counter for the **Password field** might be incorrectly set to a max of **20** instead of **40**.
- It should be verified whether the **backend enforces 40 characters** or if the front-end counter is misconfigured.

8. Suggested Fix:

- Ensure the character counters display the correct limits (**5-40** for both fields).
- Align front-end validation with the password policy.
- Confirm that both counters update dynamically as users type.

Bug Report: UI Not Responsive on Different Screen Sizes

1. Bug Title:

Navigation Bar Elements Overlapping on Smaller Screens

2. Environment:

- **Platform:** Web Application (OWASP Juice Shop)
- **OS:** Windows 10
- **Browsers Tested:** Chrome 123.0, Firefox 115.0
- **Device:** Desktop (Resized Browser Window)

3. Steps to Reproduce:

1. Open the OWASP Juice Shop application on a desktop browser.
2. Resize the browser window to a smaller width (e.g., 1024px or lower).
3. Observe the **top-right navigation elements** (Search, Account, Language).

4. Expected Result:

- The navigation elements should adjust properly to fit smaller screen sizes.
- A responsive layout (such as a hamburger menu) should be used when space is limited.

5. Actual Result:

- The **Search, Account, and Language icons overlap**, making them difficult to click.
- UI elements do not properly adjust for smaller screen widths.
- Possible **usability issues** for users on smaller screens or mobile devices.

6. Severity: 🟨 Medium

- Affects usability on smaller screens.
- May lead to frustration for users who cannot access navigation elements properly.

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Application: Wiki Page

Bug Report: Wikipedia Sample Application Crashes Frequently

1. Bug Title:

Wikipedia App Crashes Frequently – Error Message Displayed

2. Environment:

- **Application:** Wikipedia Sample App
- **Version:** version 2.5.194-alpha-2017-05-30
- **Device:** Android
- **OS Version:** Android 16
- **Network:** Wi-Fi / Mobile Data

3. Steps to Reproduce:

1. Open the Wikipedia sample application.
2. Search for **"Alpargatas S.A."** or any other term.
3. The app displays an **error message**:

   - *"An error occurred"* with a "GO BACK" button.

4. The user is unable to view the article.
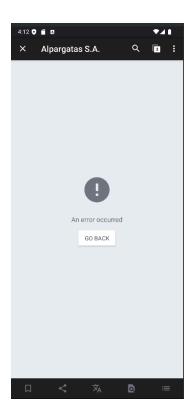5. Sometimes, the app crashes completely when retrying.

4. Expected Result:

- The Wikipedia article should load properly.
- No crashes or errors should occur.

5. Actual Result:

- The application crashes frequently.
- The error screen prevents the user from reading content.

6. Screenshots/Videos:

7. Severity:

🟥 **Critical** – Major usability issue, preventing users from accessing content.

8. Additional Notes:

- The issue might be caused by:

    - **Network errors** (check if offline mode is triggering a crash).
    - **Memory leaks** (app failing to handle large data).
    - **API failure** (backend response issue).

    - **App version issues** (outdated version or incompatibility with OS).

- Try clearing the app cache or reinstalling.

Bug Report: Wikipedia App Language Change Not Reflected in Real Time

1. Bug Title:

Language Change Not Applied Immediately in Wikipedia Sample App

2. Environment:

- **Application:** Wikipedia Sample App

- **Version:** version 2.5.194-alpha-2017-05-30
- **Device:** Android
- **OS Version:** Android 16
- **Network:** Wi-Fi / Mobile Data

3. Steps to Reproduce:

1. Open the Wikipedia sample application.
2. Navigate to **Settings > Language** and select a different language (e.g., Spanish, Slovakian).
3. Observe that a **confirmation message** appears, indicating that the new language is selected.
4. The UI remains in **English** instead of updating immediately.
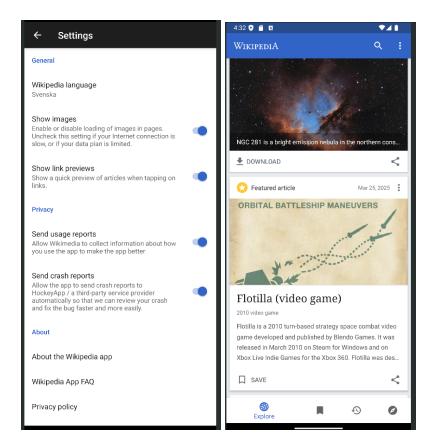5. Restarting the app or refreshing the page **may or may not** apply the new language.

4. Expected Result:

- The UI should switch to the selected language **immediately** without requiring a restart.
- Article content, menus, and buttons should reflect the new language.

5. Actual Result:

- The UI remains in **English** even after selecting a different language.
- Language change only applies after **force-closing and reopening** the app (if at all).

6. Screenshots/Videos:

7. Severity:

🟧 **Medium** – Functionality is impacted, but a workaround (app restart) exists.

8. Additional Notes:

- Possible causes:
    - **Missing UI re-rendering:** The app does not refresh after a language change.
    - **Local storage issue:** Language selection is saved but not applied immediately.

    - **API delay or caching problem:** The language setting is stored but not fetched correctly.

- Temporary workaround: **Restart the app** after changing the language.