

# Day 5 Testing Report

## 1. Functional Testing

### Description:

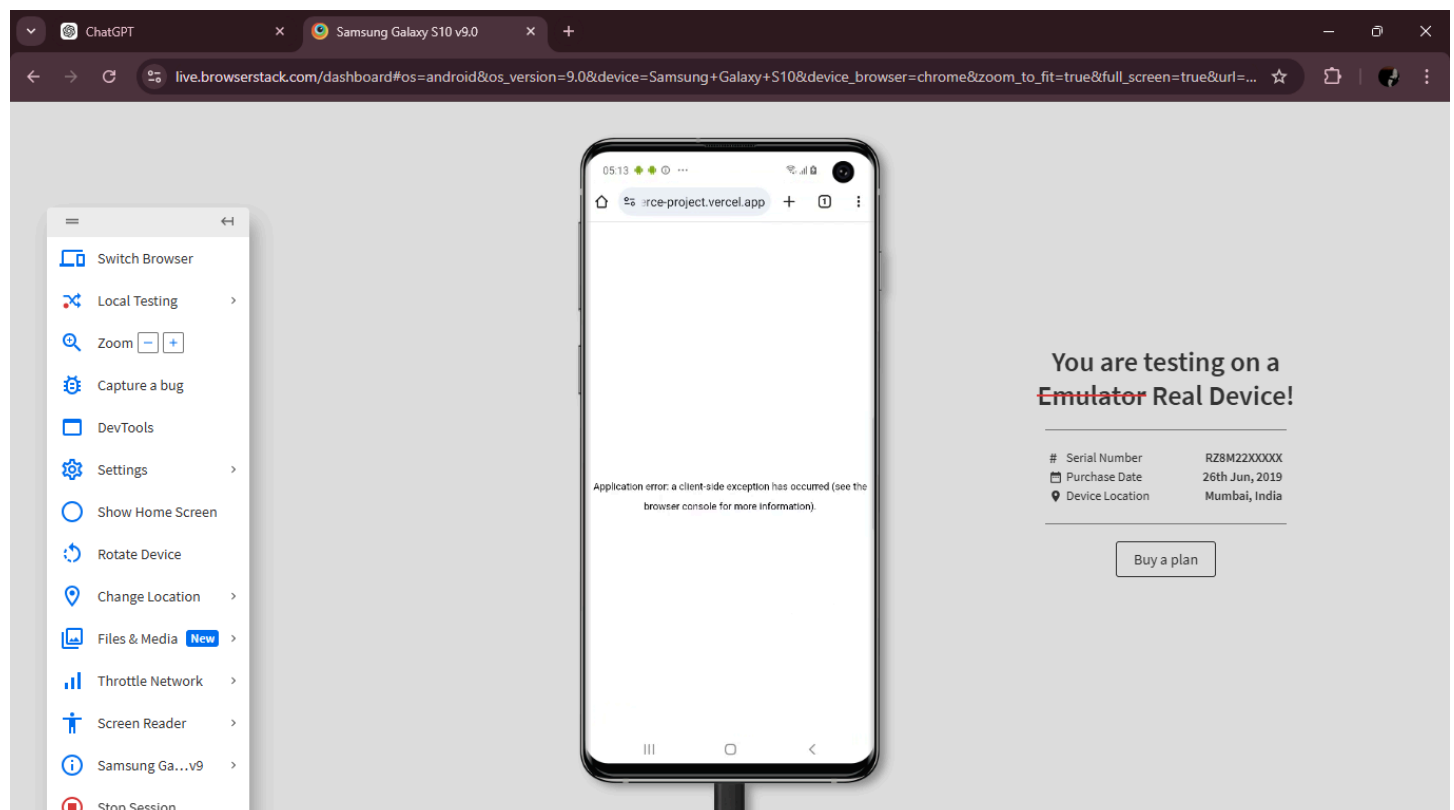
- Tested all marketplace functionalities, including:
  - Product listing, search, filters, cart operations, and user profiles.
- Identified issues with the **wishlist functionality**, which is not working as expected.
- Verified proper error handling for routes, including 404 errors.

### Key Observations:

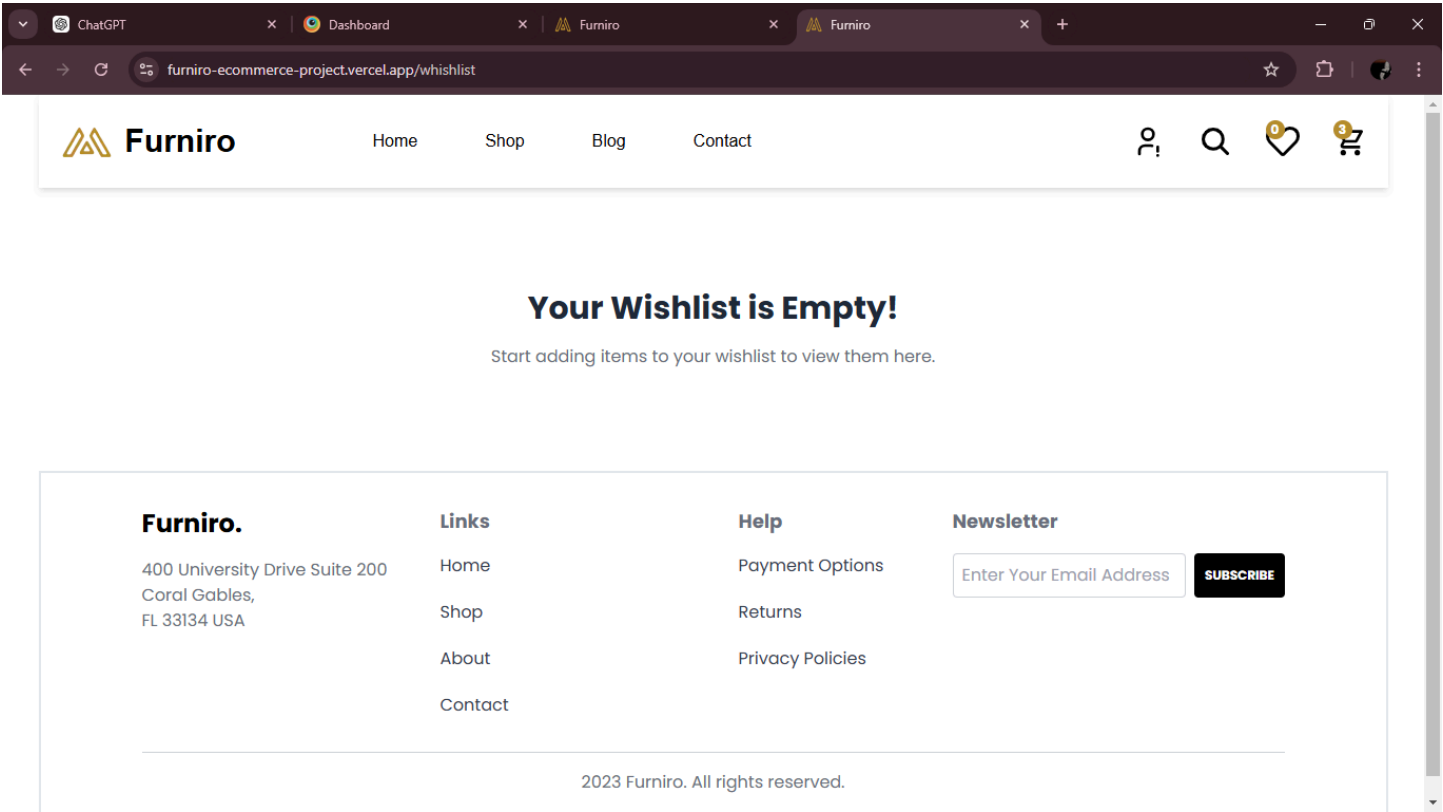
- **Issue Identified:** Wishlist functionality needs debugging and fixing.
- **Error Handling:** Proper 404 error messages displayed on non-existent routes

### Screenshot:

A screenshot of the **404 error page**.



A screenshot showing the **wishlist functionality issue**.



2.Performance Testing:

Description:

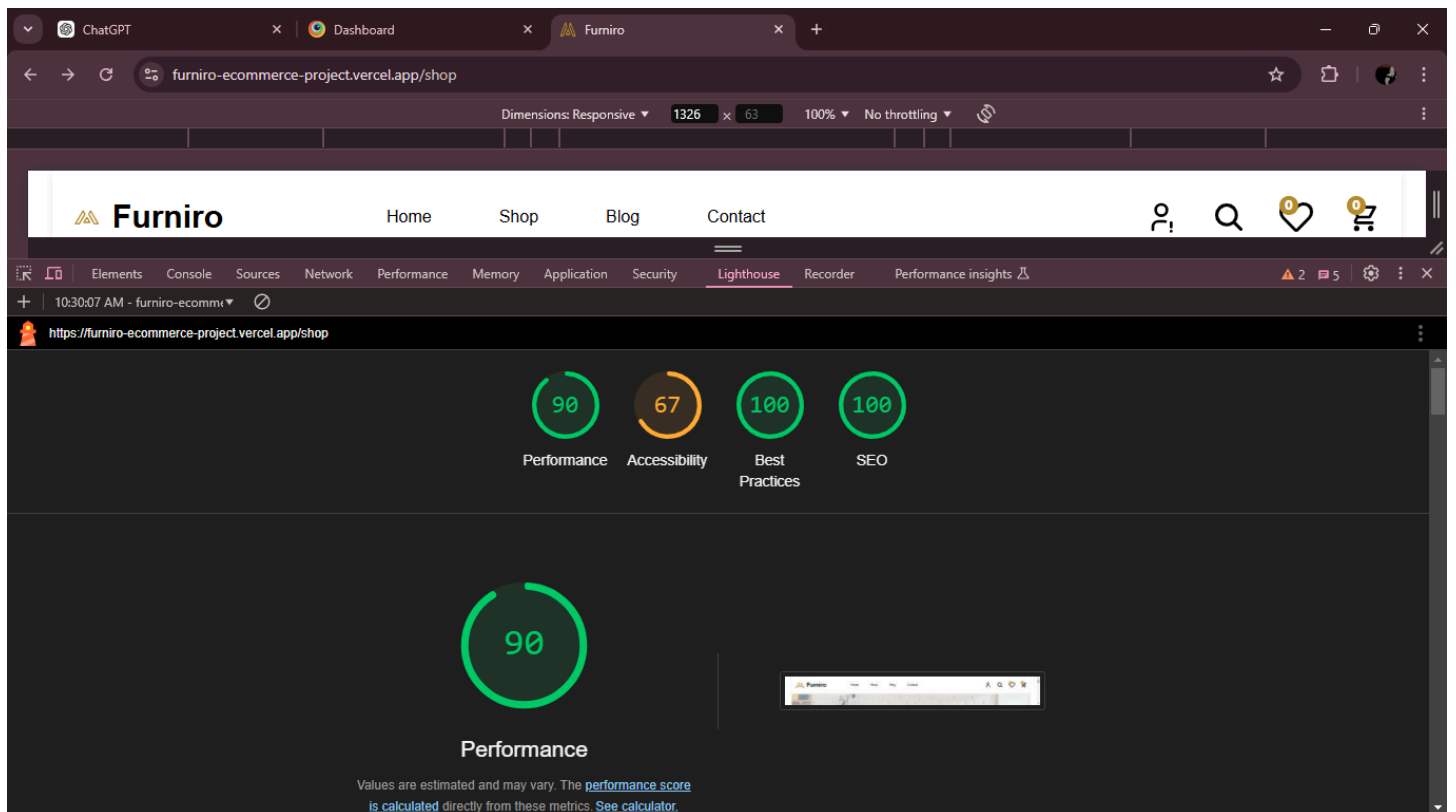
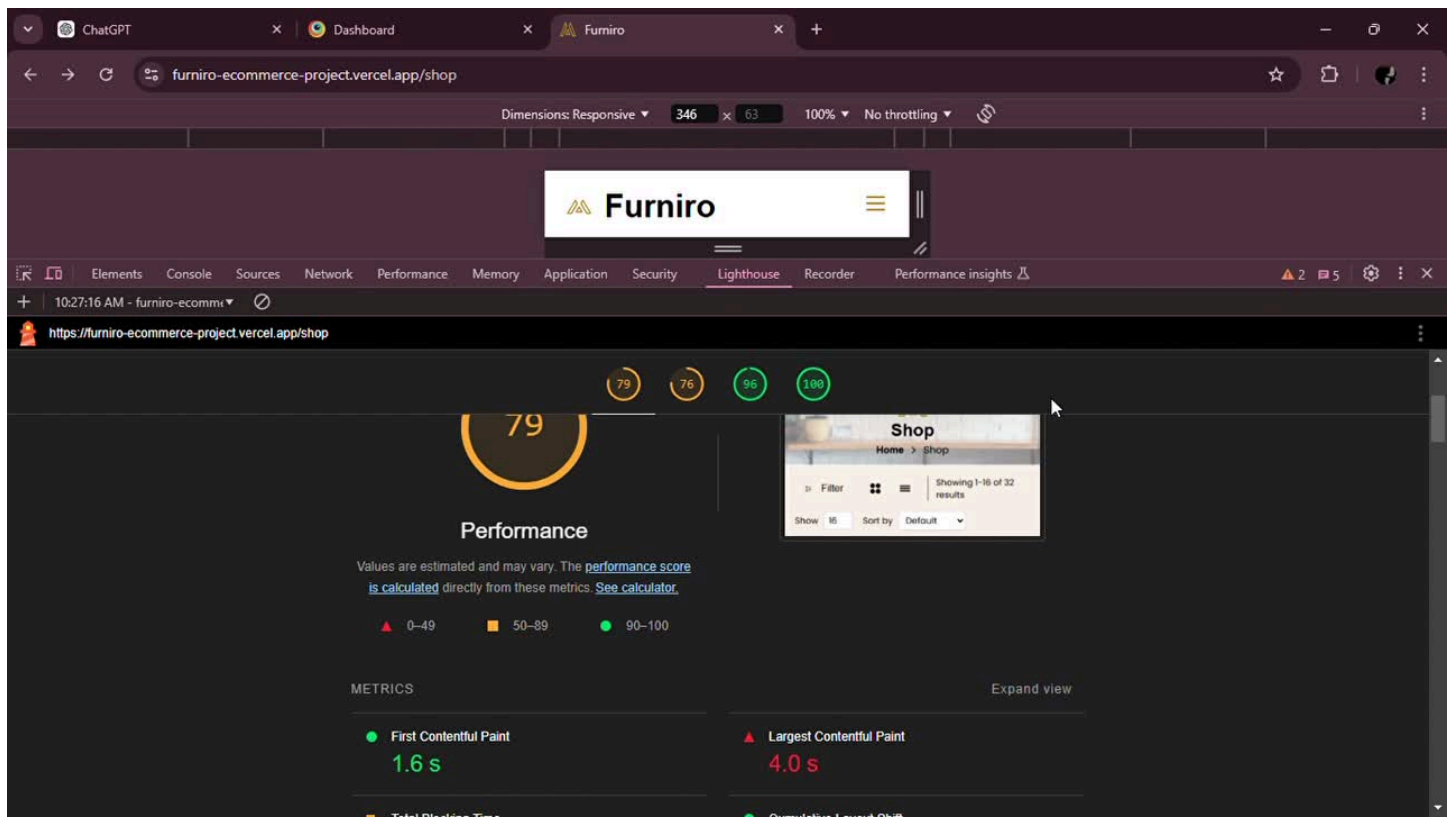
- Conducted performance tests focusing on image optimization and lazy loading.
- Observed lazy loading of images is functional but causes delays in rendering on certain routes.
- Overall page load time is optimized and below 2 seconds for most pages.

Key Observations:

Issue Identified: Image lazy loading delays observed on some routes.

Screenshot /Video:

A performance metrics (e.g., Lighthouse report) .



### 3. Cross-Browser and Device Testing

#### Description:

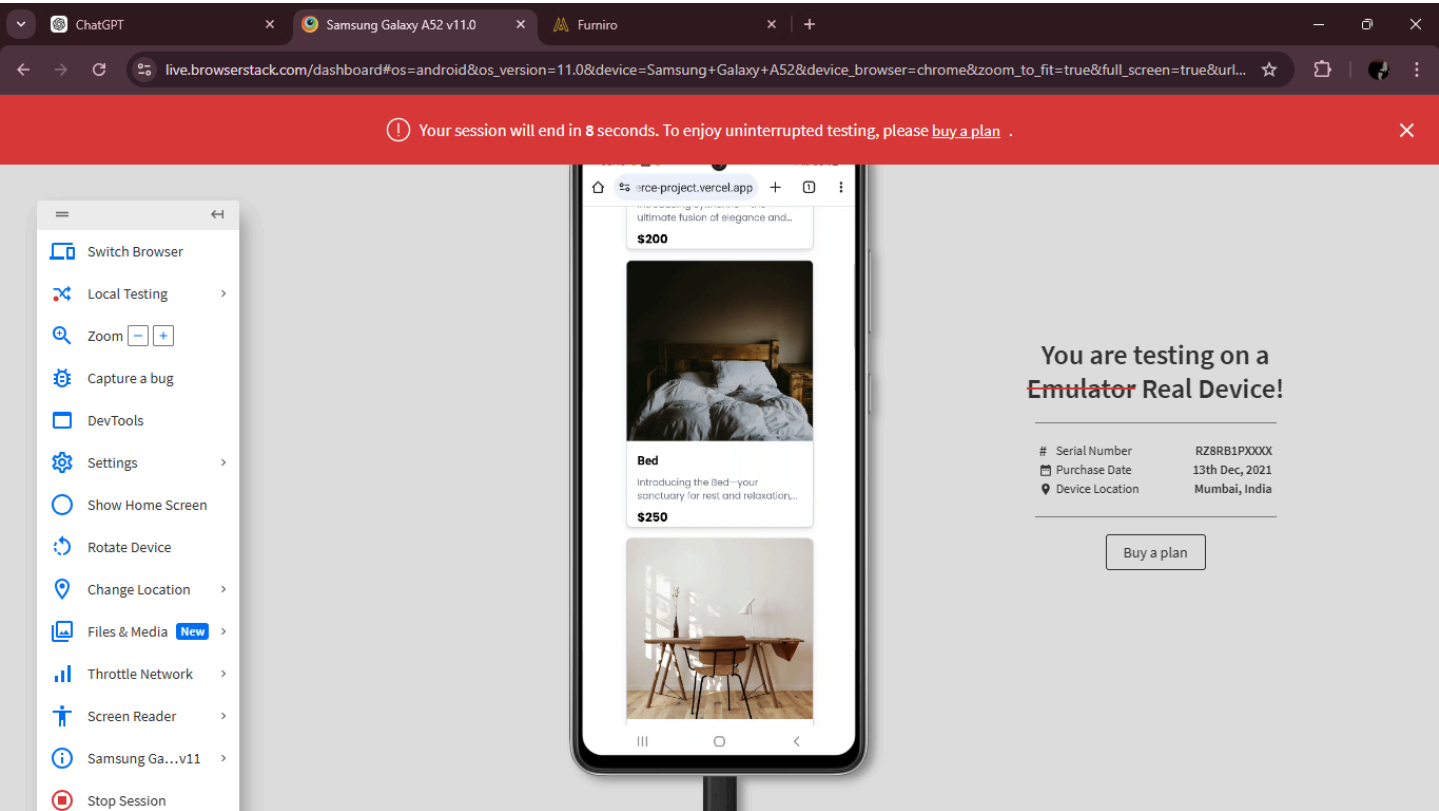
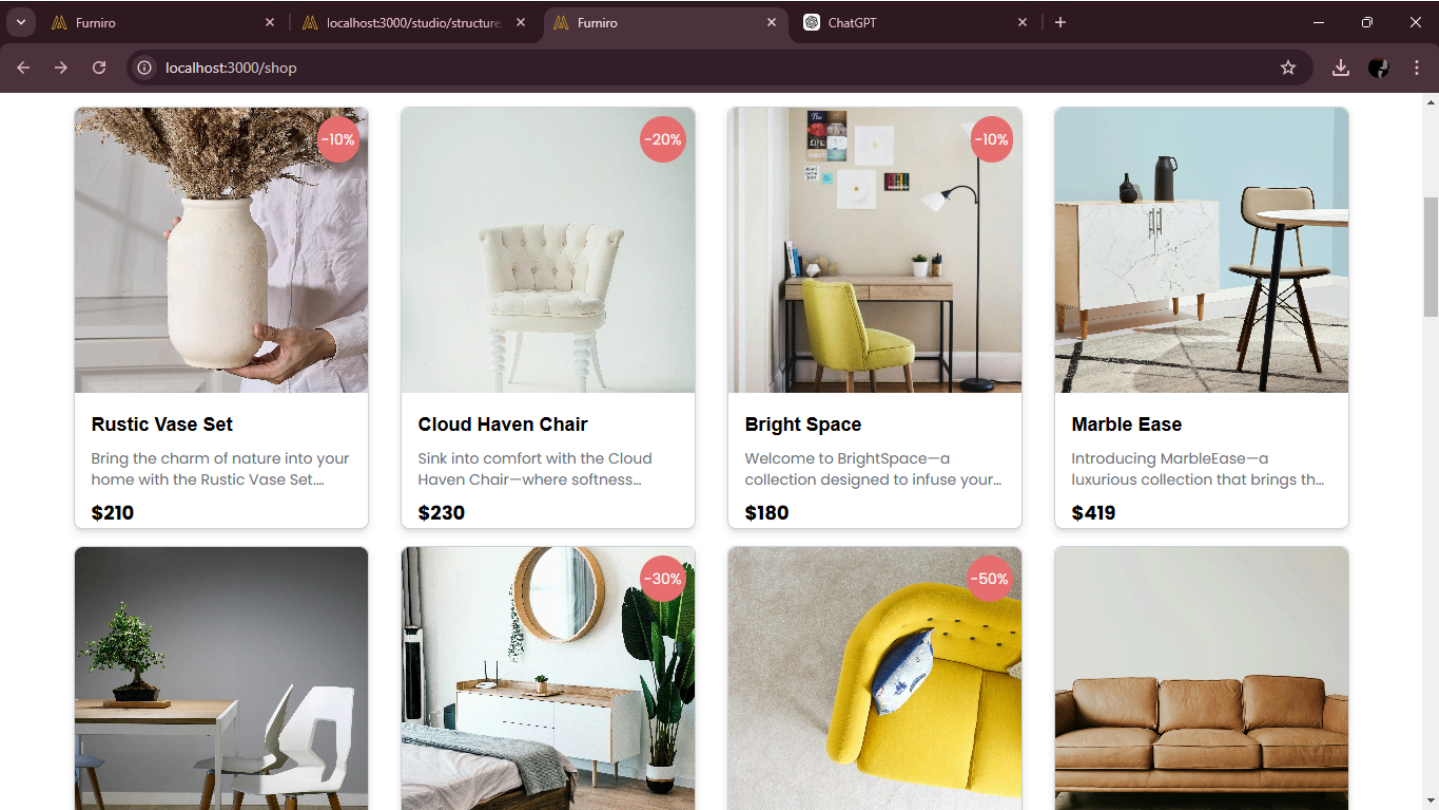
- Tested on Chrome, Firefox, Safari, and Edge.
- Verified responsive design on large, medium, and small screens.
- Observed a layout issue on **medium-sized screens**, where cards were misaligned.

Key Observations:

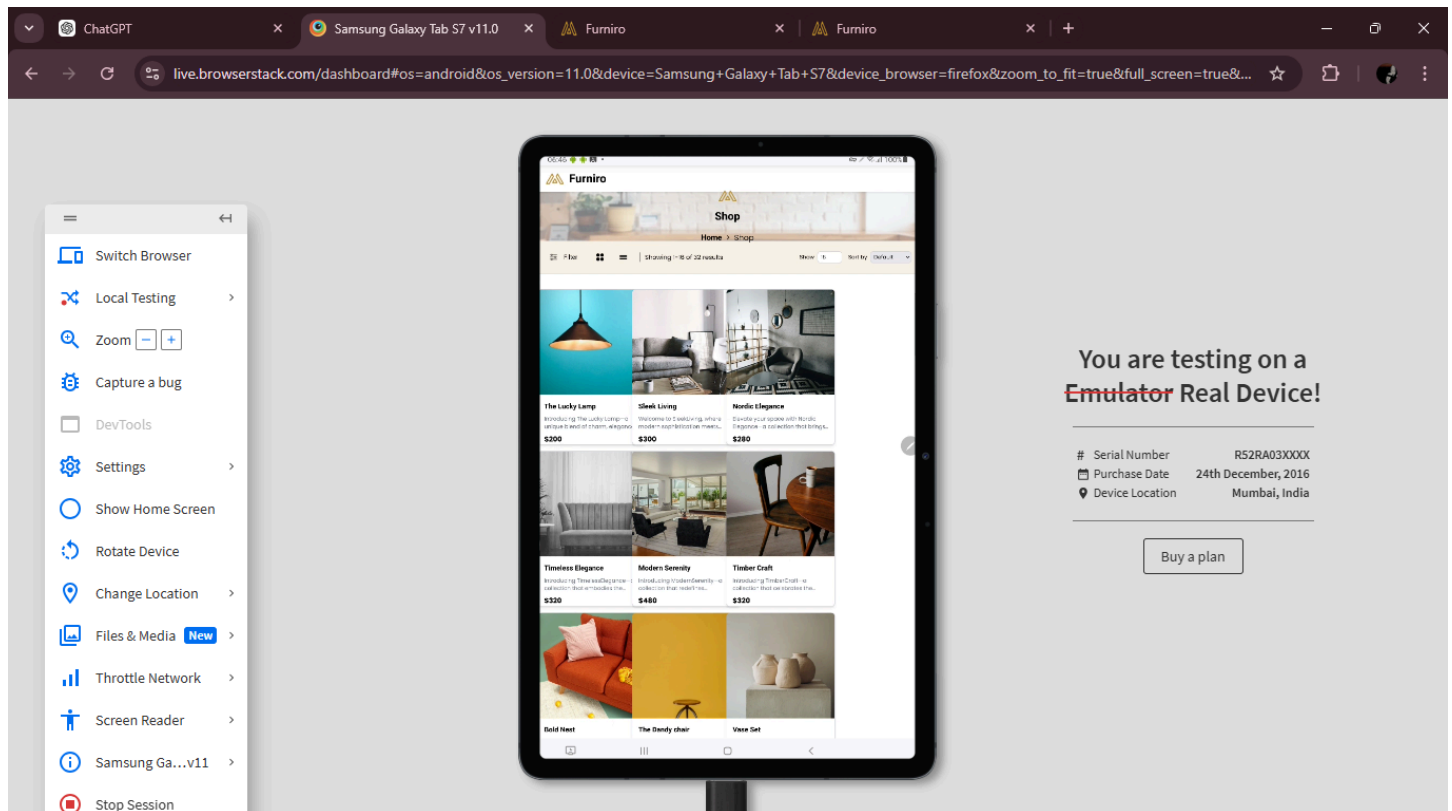
- **Issue Identified:** Card alignment breaks on medium screens.
- Design performs well on large and small screens.

Screenshot:

- Screenshots of:
  - Proper layout on large and small screens.



- Misaligned cards on medium and tablet screens.



## 4. Security Testing

### Description:

- Tested input validation, sanitization, and API security.
- Verified that sensitive data is securely handled using environment variables.

### Key Observations:

Security testing passed successfully, with no issues detected.

## 5. User Acceptance Testing (UAT)

### Description:

- Tested workflows from a user perspective, comparison, cart, and checkout.
- Identified minor delays in lazy loading impacting the user experience.
- Received feedback on the wishlist feature not meeting user expectations.

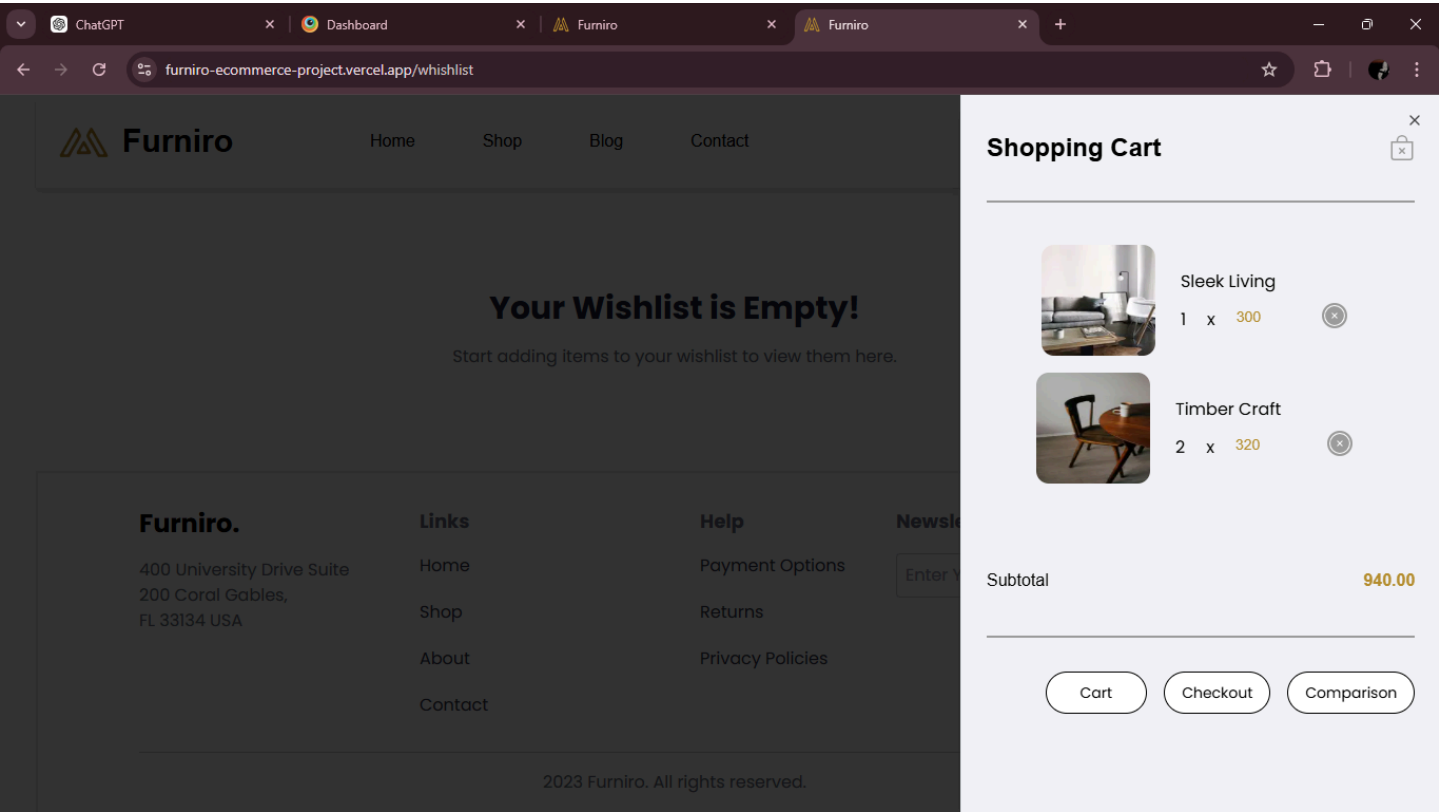
### Key Observations:

- Users reported the **wishlist functionality** needs improvement.
- Lazy load delays noted as a minor inconvenience

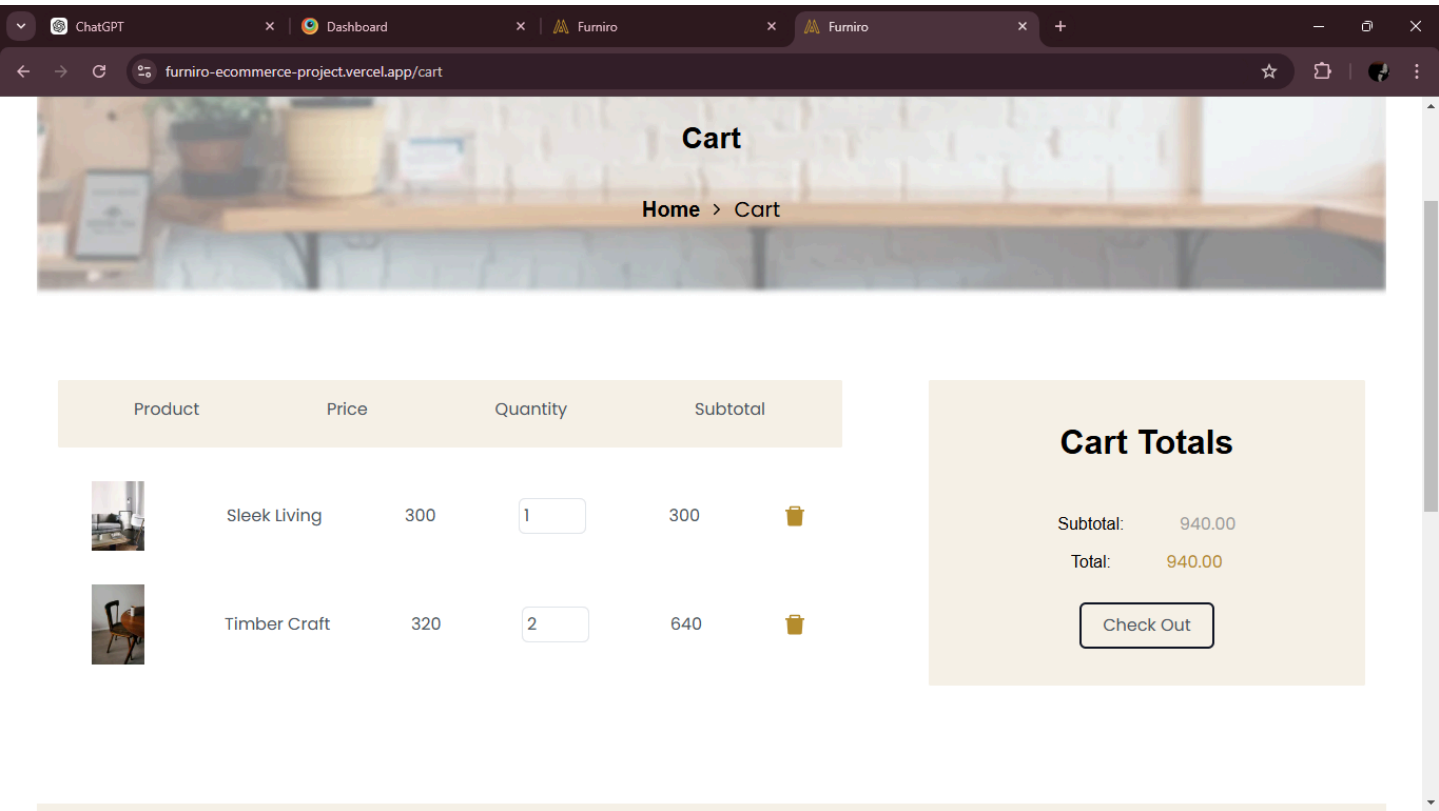
### Screenshots:

Add screenshots demonstrating workflow steps (e.g., adding items to the cart or a failed wishlist operation).

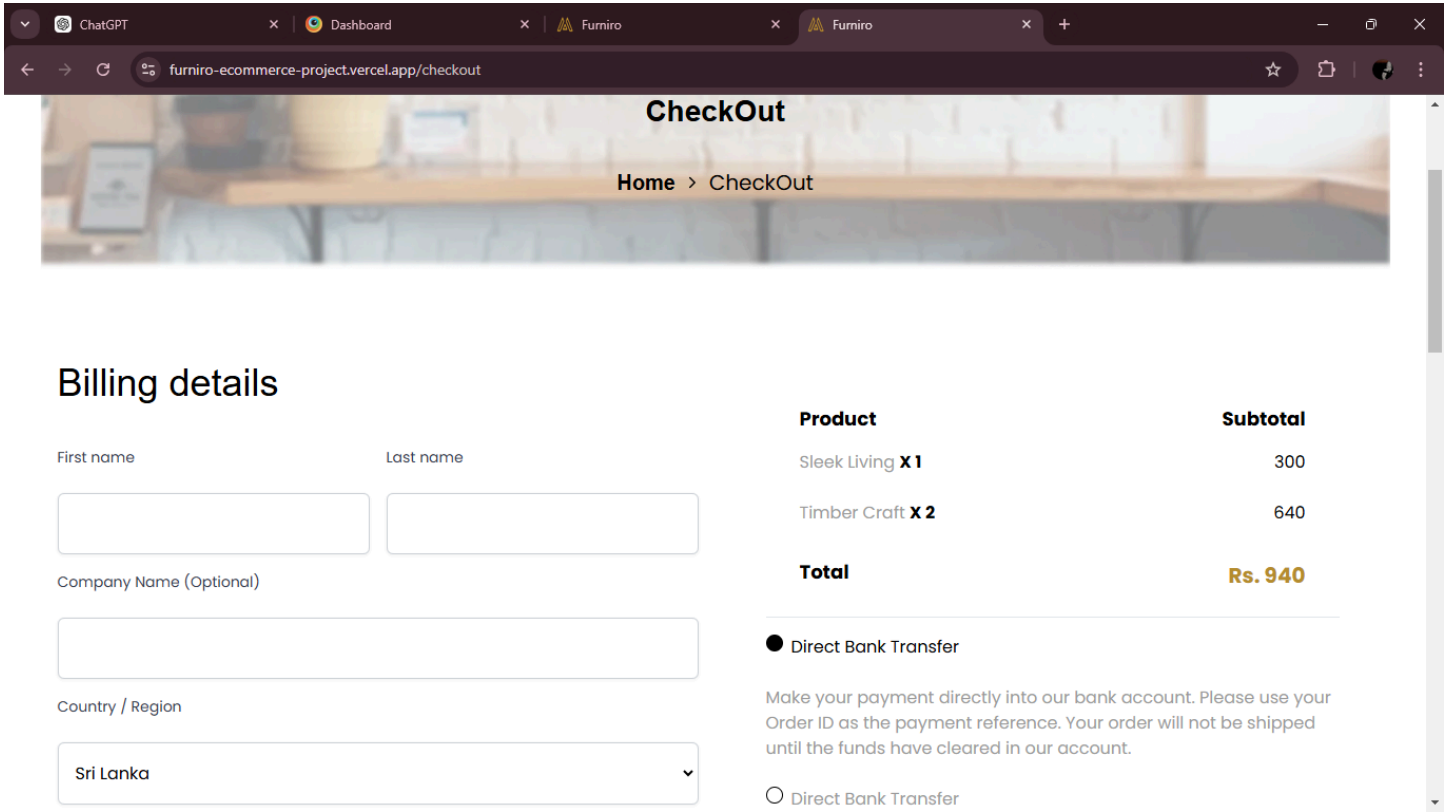
Shopping Cart:



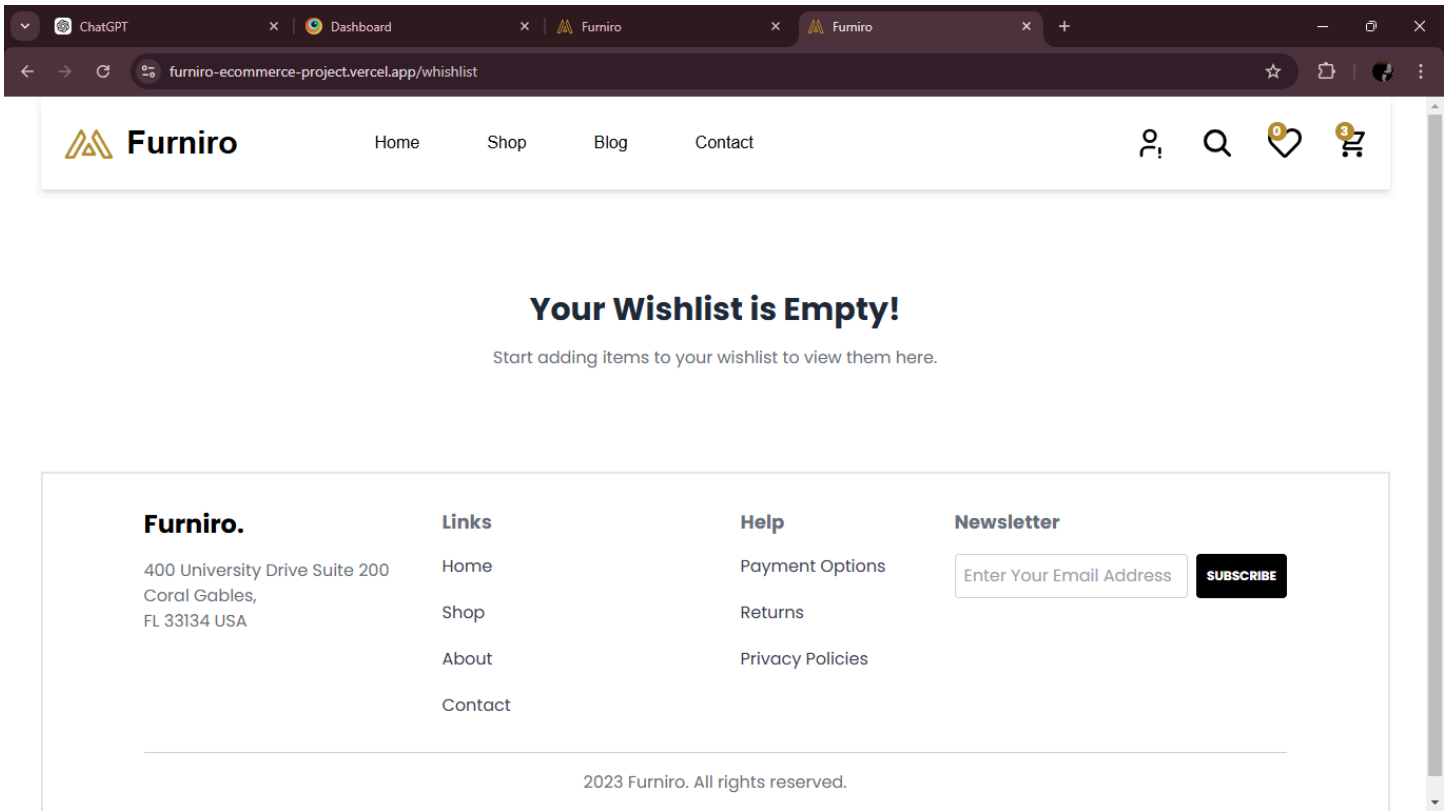
Cart:



CheckOut:



Wishlist:



6. Documentation Updates

Description:

Created a CSV report of all tests performed.

Sample Report Structure:

Test Case ID	Description	Steps	Excepted Result	Accurate Result	Status	Severity Level	Remarks
TC001	Test wishlist feature	Add item to wishlist	Item added successfully	Item not added	Fail	High	Needs debugging
TC002	Test lazy load images	Navigate to the image-heavy route	Images load smoothly	Delay in image load	Pass	Medium	Improve lazy load speed

7. Summary and Recommendations

Resolved Issues:

- Page load times are optimized.
- Security testing completed successfully.
- Cross-browser compatibility ensured.

Pending Fixes:

- Wishlist functionality requires debugging.
- Image lazy loading optimization for specific routes.
- Card alignment issue on medium screens.

7. Summary and Recommendations



<i>Resolved Issues</i>	<ul style="list-style-type: none"><li>● Page load times are optimized.</li><li>● Security testing completed successfully.</li><li>● Cross-browser compatibility ensured.</li></ul>
<i>Pending Fixes</i>	<ul style="list-style-type: none"><li>● Wishlist functionality requires debugging.</li><li>● Image lazy loading optimization for specific routes.</li><li>● Card alignment issue on medium screens.</li></ul>
<i>Next Steps</i>	<ul style="list-style-type: none"><li>● Fix wishlist and alignment issues.</li><li>● Enhance image loading efficiency.</li><li>● Retest all affected areas post-fix.</li></ul>

# Conclusion

<i>Project Outcomes</i>	The Marketplace Builder application shows strong performance and security, but key areas like wishlist functionality, card alignment on medium screens, and image lazy loading delays need improvement to ensure a seamless user experience. Addressing these issues will enhance the platform's overall quality and readiness for launch.
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