

Tasting Error Handling and Backend Integration Refinementackend [E-Commarge Website]

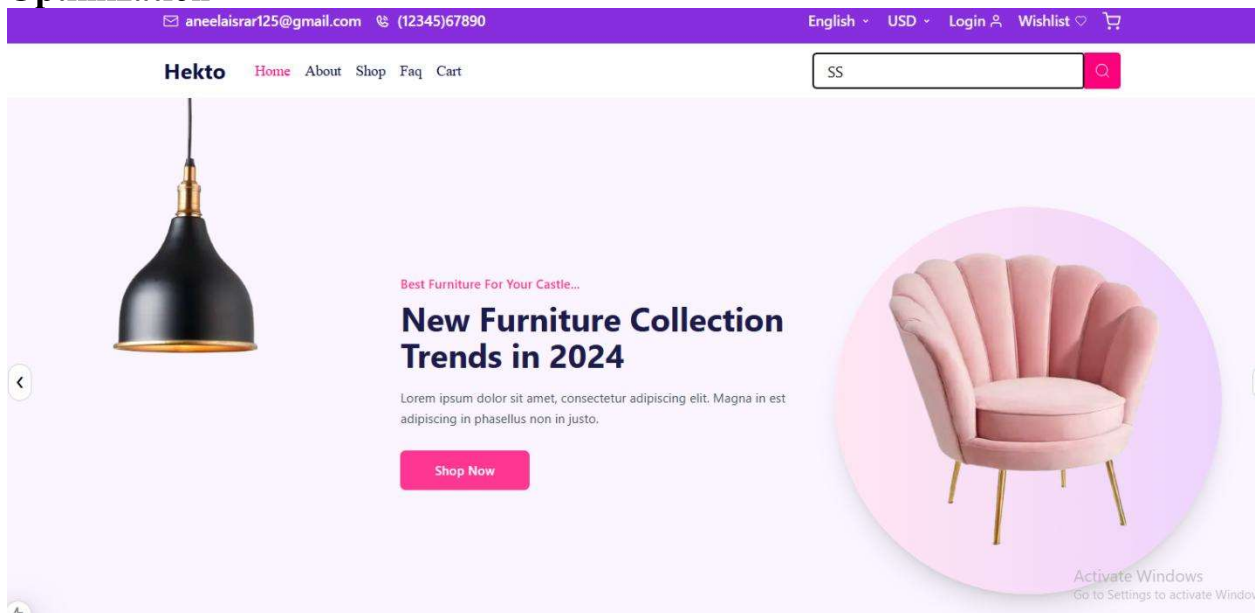
NEW FURNITURE COLLECTION TRENDS – 2024

TESTING

Day 5 was dedicated to the final stages of preparing the my e-commerce online shopping place called “ The new furniture collection trends – 2024” focusing on ensuring it operates smoothly and efficiently for end users. Here's a breakdown of some key activities typically involved in this process:

The key features and areas of focus would generally include the following:

1. Performance Optimization



S

- **Page Load Speed:** Optimize images, minify JavaScript and CSS, and leverage caching to reduce load times.
- **Database Optimization:** Indexing key search fields, optimizing queries, and reducing unnecessary database calls to ensure fast search results and smooth transactions.
- **Server Response Times:** Implement content delivery networks (CDNs) to cache static resources and reduce server load.
- **Scalability:** Ensure that the system can handle an increase in users, especially during peak traffic times (e.g., sales or holidays).

2. **Comprehensive Functional Testing**
Product Browsing: Test the search, filtering, and sorting capabilities to ensure users can easily find furniture based on categories, price ranges, or attributes like size and

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color

Trending Products



Cantilever Chair

\$26.00 ~~\$42.00~~



Cantilever Chair

\$26.00 ~~\$42.00~~



Cantilever Chair

\$26.00 ~~\$42.00~~



Cantilever Chair

\$26.00 ~~\$42.00~~



23% Off in all produ

[Shop Now](#)



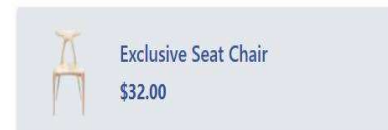
23% Off in all products

[View Collection](#)



Exclusive Seat Chair

\$32.00



Exclusive Seat Chair

\$32.00



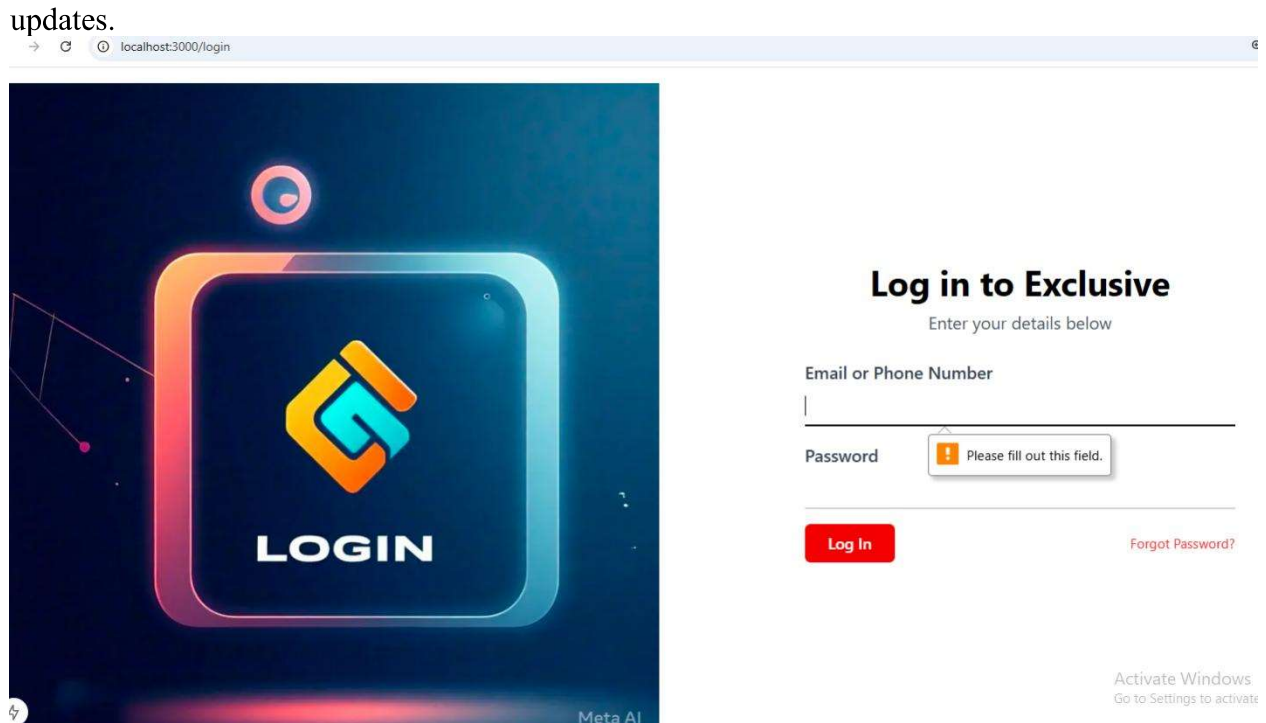
Exclusive Seat Chair

\$32.00

3.Shopping Cart & Checkout: Validate the functionality of adding/removing items from the cart, applying discounts or promotional codes, and processing payments securely.

-
- **User Authentication:** Ensure login, sign-up, and password recovery features work seamlessly. Test third-party logins (like Google or Facebook).
- **Order Tracking:** Test that users can view their order status, track shipments, and receive accurate delivery

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3. Mobile and Cross-Browser Compatibility

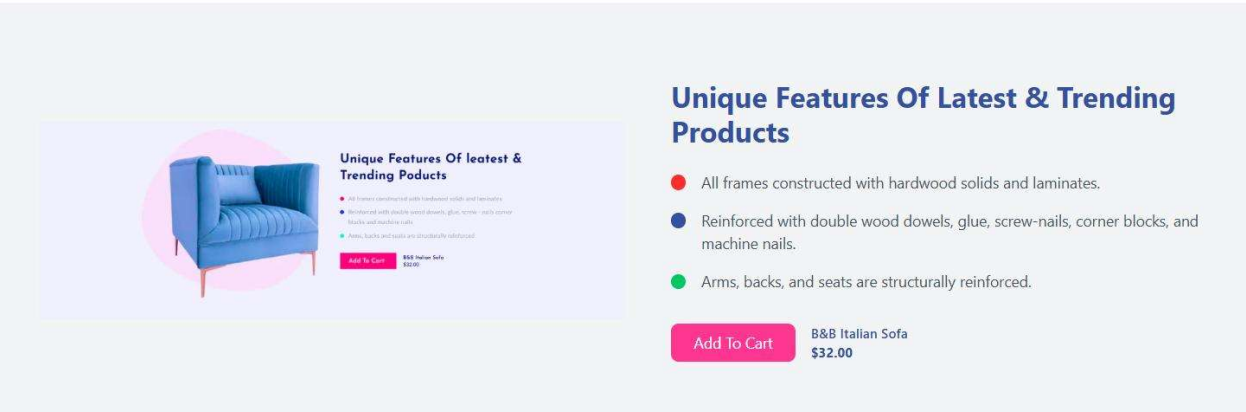
- **Responsive Design:** Ensure the marketplace is mobile-friendly and works across different devices (smartphones, tablets, desktops) and screen sizes.
- **Cross-Browser Testing:** Test the marketplace on all major browsers (Chrome, Firefox, Safari, Edge) to ensure consistent behavior.

4. Error Handling & Robustness

- **Graceful Degradation:** Handle unexpected errors with user-friendly error messages rather than crashing the application. For example, if a payment gateway fails, provide a clear message for the user to retry.
- **Boundary Testing:** Ensure that the system handles edge cases such as very large or very small product quantities, extreme discount values, or large image

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uploads.

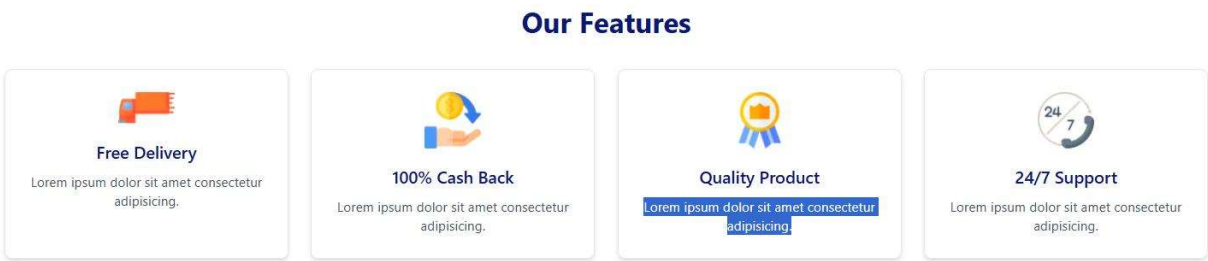


5. Security Measures

- **Data Encryption:** Ensure that sensitive data (such as payment details, user information) is encrypted both in transit (SSL/TLS) and at rest.
- **Payment Gateway Integration:** Test integration with payment processors (e.g., Stripe, PayPal) for secure transactions and fraud prevention.
- **User Privacy:** Implement privacy policies and ensure that user data is handled in compliance with regulations like GDPR (General Data Protection Regulation).

6. User Experience (UX) & Interface (UI) Testing

- **Navigate** are prominent and easy to find.



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- **Customer Support:** Ensure that live chat, FAQs, or contact forms work, offering users help when they need it.

FAQ

Home . Pages . FAQ

General Information

What are your business operating hours?

Magna bibendum est fermentum eros?

Odio muskana hak eris conseekin sceleton?

Elit id blandit sabara boi velit gua mara?

Ask a Question

Your Name*

Subject*

Type Your Message*

Send Email

Activate Wind



7. Error-Free Checkout Process

- **Payment Gateway Testing:** Ensure the payment process works flawlessly by testing different payment methods (credit cards, digital wallets).
- **Transaction Validation:** Ensure that transactions are properly recorded in the backend, preventing issues like double payments.
- **Accessibility:** Test the user journey from browsing to checkout. Ensure users can navigate the platform easily and that it's accessible (e.g., with screen reader compatibility).
- **Clear Call to Action:** Verify that important elements (e.g., "Add to Cart," "Checkout," "Filters") are clearly visible and functional.

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- **Tax and Shipping Calculations:** Confirm that tax and shipping fees are calculated correctly based on the user's location.

Product	Price	Quantity	Total
 Product 1 Color: Red, Size: M	\$30.00	<input type="text" value="2"/>	\$60.00
 Product 2 Color: Blue, Size: L	\$45.00	<input type="text" value="1"/>	\$45.00

Update Cart

Clear Cart

Cart Totals

Subtotal: \$105.00

Totals: \$120.00

Proceed To Checkout

Calculate Shipping

Calculate Shipping

8. Search and Filtering

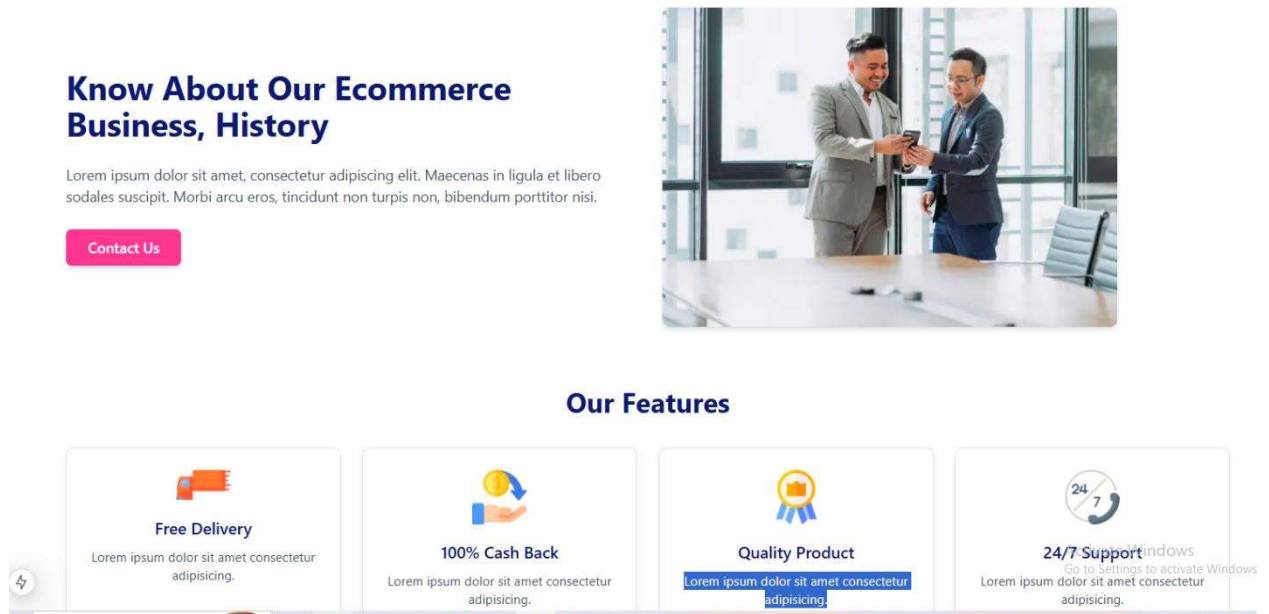
- **Search Accuracy:** Test the search functionality to ensure that users can find the products they're looking for with relevant keywords.
- **Filter Testing:** Verify that filters (by price, category, size, color, etc.) work properly and return the correct product results.

9. Load Testing

- **Stress Testing:** Simulate high user traffic (e.g., during sales events or holidays) to determine how the system behaves under heavy load and to ensure it doesn't crash or slow down.
- **Concurrency Testing:** Test how multiple users interacting with the marketplace at the same time impact

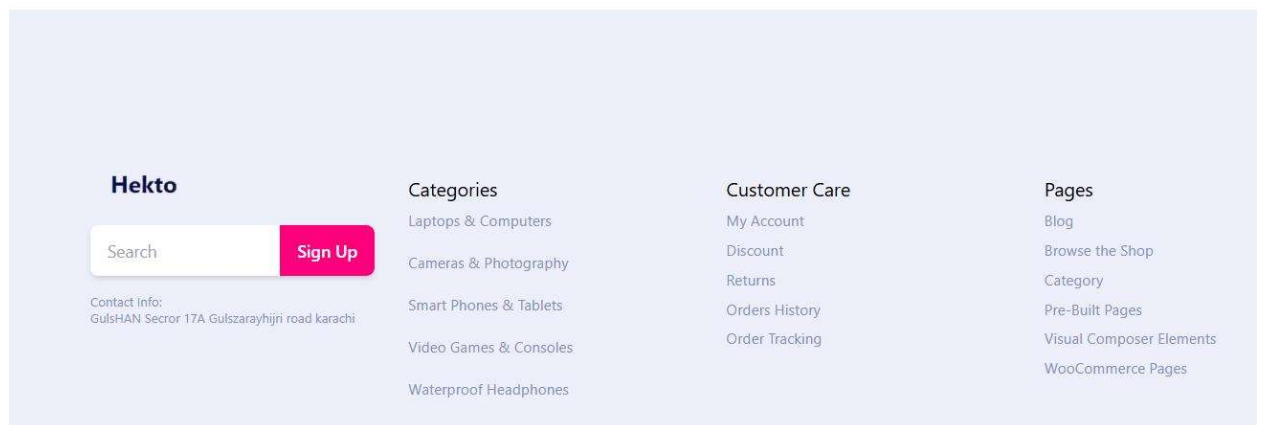
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performance.



10. Backup and Recovery Testing

- **Data Integrity:** Ensure data consistency and backups are in place in case of server crashes or unexpected downtime.
- **Disaster Recovery:** Test the process for restoring the site and ensuring minimal downtime in case of failure.



CONCLUSION

By focusing on these key features, The new furniture collection trends – 2024 can be optimized for high performance, security, and user satisfaction before it goes live.

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The screenshot displays the Thunder Client interface, a REST API client. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The main window is divided into several panels:

- Left Panel:** Shows the 'THUNDER CLIENT' sidebar with a 'New Request' button and a list of requests. The selected request is 'GET next-e-commerce-template-4.ver...' with a status of 'just now'.
- Top Panel:** Displays the request details: Method 'GET', URL 'https://next-e-commerce-template-4.vercel.app/api/product', and a 'Send' button.
- Query Parameters:** A table for defining query parameters with columns 'parameter' and 'value'. It is currently empty.
- Response Panel:** Shows the response details: Status '200 OK', Size '6.38 KB', and Time '1.64 s'. The response body is a JSON array of product objects.

The response body is a JSON array of three product objects:

```
1 {
2   "products": [
3     {
4       "id": "1",
5       "name": "Tribù Elio Chair",
6       "imagePath": "https://next-e-commerce-template-4.vercel.app/product/Chair (5).png",
7       "price": "1200",
8       "description": "A sleek outdoor chair with natural wooden elements and a modern look.",
9       "discountPercentage": 10,
10      "isFeaturedProduct": true,
11      "stockLevel": 25,
12      "category": "Chair"
13    },
14    {
15      "id": "2",
16      "name": "Armchair Tortuga",
17      "imagePath": "https://next-e-commerce-template-4.vercel.app/product/Chair (35).png",
18      "price": "850",
19      "description": "An elegant armchair with plush cushions and a curved design for comfort.",
20      "discountPercentage": 0,
21      "isFeaturedProduct": false,
22      "stockLevel": 10,
23      "category": "Chair"
24    },
25    {
26      "id": "3",
27      "name": "Uchiwa Quilted Lounge Chair",
28      "imagePath": "https://next-e-commerce-template-4.vercel.app/product/Chair (6).png",
29      "price": "1200",
30      "description": "A modern lounge chair with a quilted design and a curved backrest.",
31      "discountPercentage": 0,
32      "isFeaturedProduct": false,
33      "stockLevel": 10,
34      "category": "Chair"
35    }
36  ]
37 }
```