

Testing Error Handling & Backend Integration Refinementackend [E-Commerce Website]

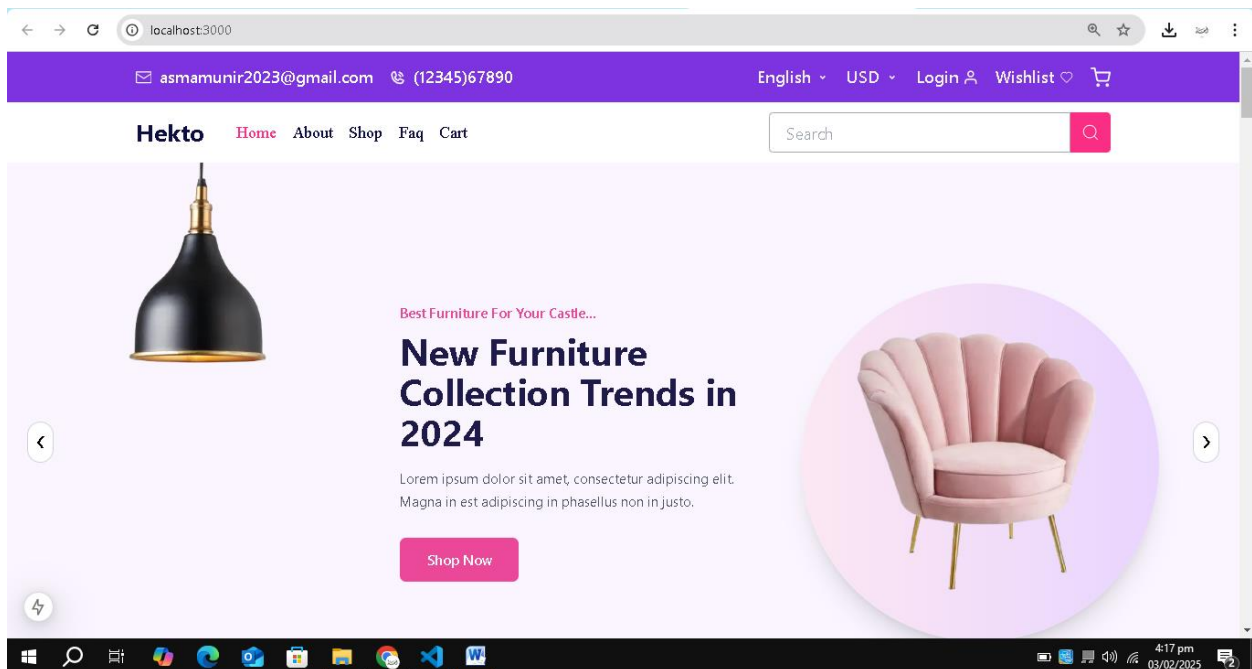
NEW FURNITURE COLLECTION TRENDS -2024

Testing:

DAY 5: Was dedicated to the final stages of preparing the my e-commerce online shopping place called “The new furniture 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 following:

Performance Optimization



Page Load Speed: Optimize images, minify JavaScript and CSS, and leverage caching to reduce load time.

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).

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~~



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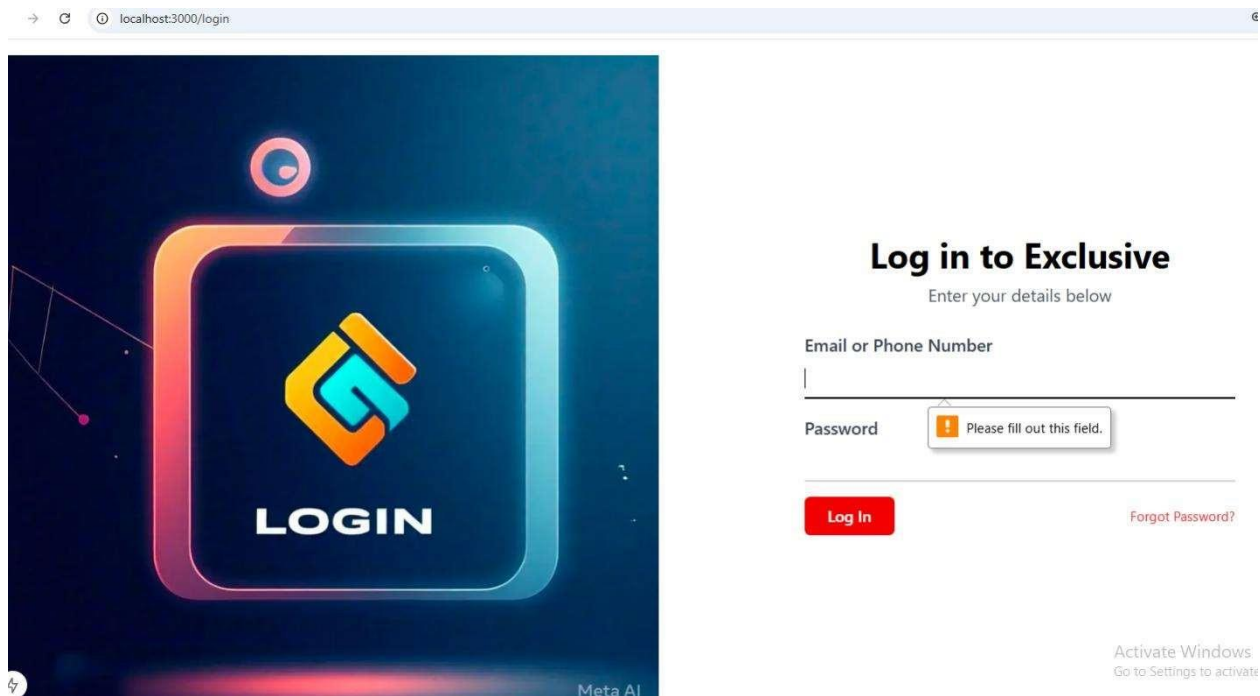


Shopping Cart & Checkout: Validate the functionality of adding/removing items from the cart, applying discounts or promotional codes, and processing payments securely.

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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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.



Unique Features Of latest & Trending Products

- All frames constructed with hardwood solids and laminates.
- Reinforced with plastic steel dowels, glue, screw - each corner blocks and machine nails.
- Arms, backs and seats are structurally reinforced.

[Add To Cart](#) **B&B Italian Sofa**
\$32.00

Unique Features Of latest & Trending Products

- All frames constructed with hardwood solids and laminates.
- Reinforced with double wood dowels, glue, screw-nails, corner blocks, and machine nails.
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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)


Navigatiare prominent and easy to find.

Our Features




Free Delivery

Lorem ipsum dolor sit amet consectetur adipiscing.




100% Cash Back

Lorem ipsum dolor sit amet consectetur adipiscing.



Quality Product

Lorem ipsum dolor sit amet consectetur adipiscing.



24/7 Support

Lorem ipsum dolor sit amet consectetur adipiscing.

Our Client Say!



Selina Gomez

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Non odio eleifend nisl sollicitudin aliquet ut non felis.



John Doe



Emma Watson

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

localhost:3000/Faq

FAQ

Home . Pages . [FAQ](#)

General Information

Ask a Question

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 **Doubon**

&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") le charging or missing orders.

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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.

Testing Error Handling and Backend Integration Refinementackend [E-Commerce Website] performance.

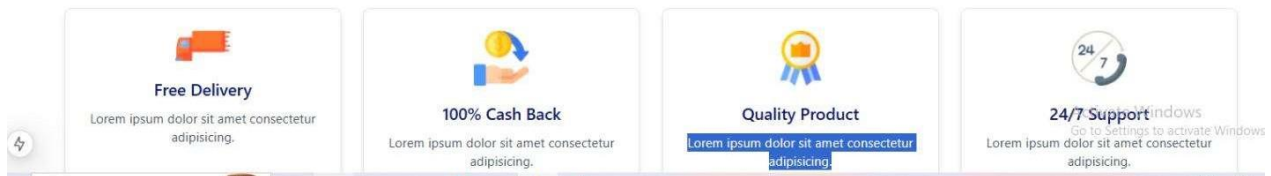
Know About Our Ecommerce Business, History

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas in ligula et libero sodales suscipit. Morbi arcu eros, tincidunt non turpis non, bibendum porttitor nisi.

Contact Us



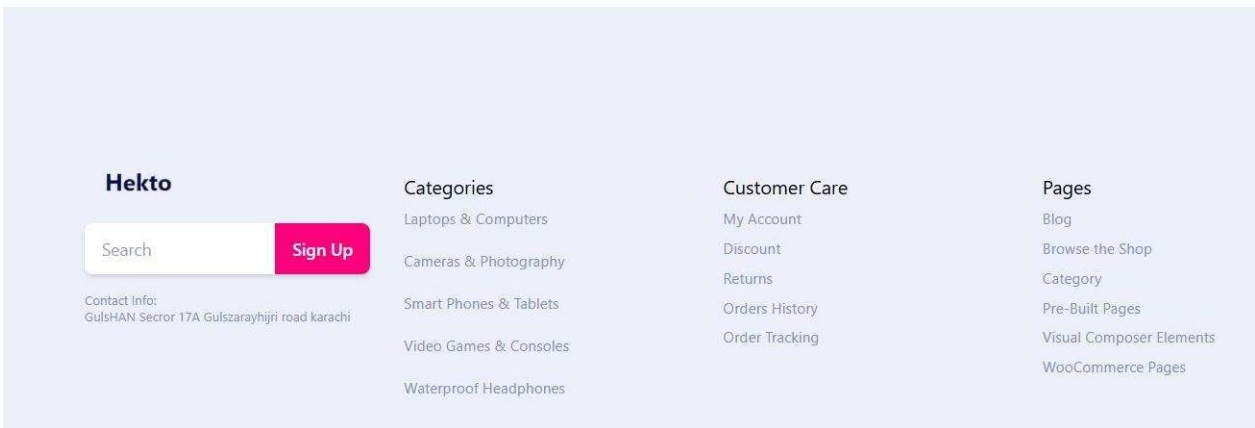
Our Features



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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THUNDER CLIENT

New Request

Activity

Collections

Env

filter activity

GET next-e-commerce-template-4.ver...

just now

Extensions: Thunder Client

New Request

GET https://next-e-commerce-template-4.vercel.app/api/product

Send

Query

Headers 2

Auth

Body

Tests

Pre Run

Query Parameters

parameter

value

Status: 200 OK

Size: 6.38 KB

Time: 1.64 s

Response

Headers 13

Cookies

Results

Docs

1 {

2 "products": [

3 {

4 "id": "1",

5 "name": "Tribù Elio Chair",

6 "imagePath": "https://next-e-commerce-template-4.vercel.app/product

7 "/Chair (5).png",

8 "price": "1200",

9 "description": "A sleek outdoor chair with natural wooden elements

10 "and a modern look.",

11 "discountPercentage": 10,

12 "isFeaturedProduct": true,

13 "stockLevel": 25,

14 "category": "Chair"

15 },

16 {

17 "id": "2",

18 "name": "Armchair Tortuga",

19 "imagePath": "https://next-e-commerce-template-4.vercel.app/product

20 "/Chair (35).png",

21 "price": "850",

22 "description": "An elegant armchair with plush cushions and a

23 "curved design for comfort.",

24 "discountPercentage": 0,

25 "isFeaturedProduct": false,

26 "stockLevel": 10,

27 "category": "Chair"

28 },

29 {

30 "id": "3",

31 "name": "Uchiwa Quilted Lounge Chair",

32 "imagePath": "https://next-e-commerce-template-4.vercel.app/product

33 "/Chair (6).png",

34 "price": "1200",

35 "description": "A modern lounge chair with a quilted design and a

36 "curved design for comfort.",

37 "discountPercentage": 10,

38 "isFeaturedProduct": true,

39 "stockLevel": 25,

40 "category": "Chair"

41 },

42]

43 }

main

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