Day_5_Testing_Error_Handling_and_Backend_ Integration_Refinement

A-Functional Deliverables:

1. Screenshots showing functional and responsive components.
2. Logs or reports from testing tools for example Light HOUSE AND POSTMAN

Attached:(Annex-A to Annex-J)

B-Testing Report: (CSV Format):

	Test Case Id	Test Case Description	Test Steps	Expected results	Actual Results	Status	Severity	Assigned to	Remarks
1	TC001	Validate product listing page	Open product page and verify all products image and contents uploaded in Sanity	Products image and their content showing correctly after fetching	Products image and their content showing correctly after fetching	Passed	Low	-	No issues found
2	TC002	Test API error handling	Disconnect API>refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	No issues found
3	TC003	Check Cart functionality	Add products to cart>verify cart contents	Cart updates with added products	Cart updates with added products (working in inspect mode only)	Passed	Medium	-	Need to check further and improve
4	TC004	Ensure responsiveness on mobile	Resize browser window>Check layout	Layout adjust properly to screen size	Responsive layout working as expected	Passed	Low	-	Need improvement of image on image

C-Documentation:

Test cases executed and their results:

FUNCTIONAL TESTING

1-Search Functionality:

The project is functioning properly, it is searching product on the basis of name, product id, on the basis of categories and on the basis of tags.

2-Add to Cart Functionality:

As far as add to cart functionality is concerned it is adding product correctly and when we want to delete it from the cart is delete all the products from the cart. This area requires to be re-visited.

3-Authentication and Authorization: The process is line and yet to implemented at later stage.

4-Checkout process: The checkout process is yet to implement and it will include payment processing, billing and shipping.

5-Responsive outlay: Most part of the layout is responsive except one image. I am trying hard to learn how to make a image with content responsive over another image of bigger size.

Performance optimization steps taken:

1. No Caching Directives
   no-store – Prevents any caching; data must be fetched from the server every time.
2. Example: Cache-Control: no-store

3. Optimize Images with next/image

4. Optimize Fonts with next/font

5. Remove unused dependencies

Security measures implemented:

1. Use .env.local for Secrets
2. Never expose .env variables in the frontend.
3. Authentication and authorization implementation

Challenges faced and resolutions applied

I had faced difficulty in differentiating the client-side component and server-side component. Now I am fully aware that whenever we are applying react hook for example use state, use effect, use ref we have to use "use client" to make it client-side component. I have also learned

that when we use any event handler that onclick or on-submit we have to add "use client" on top of coding to make it fully functional in client-side rendering.
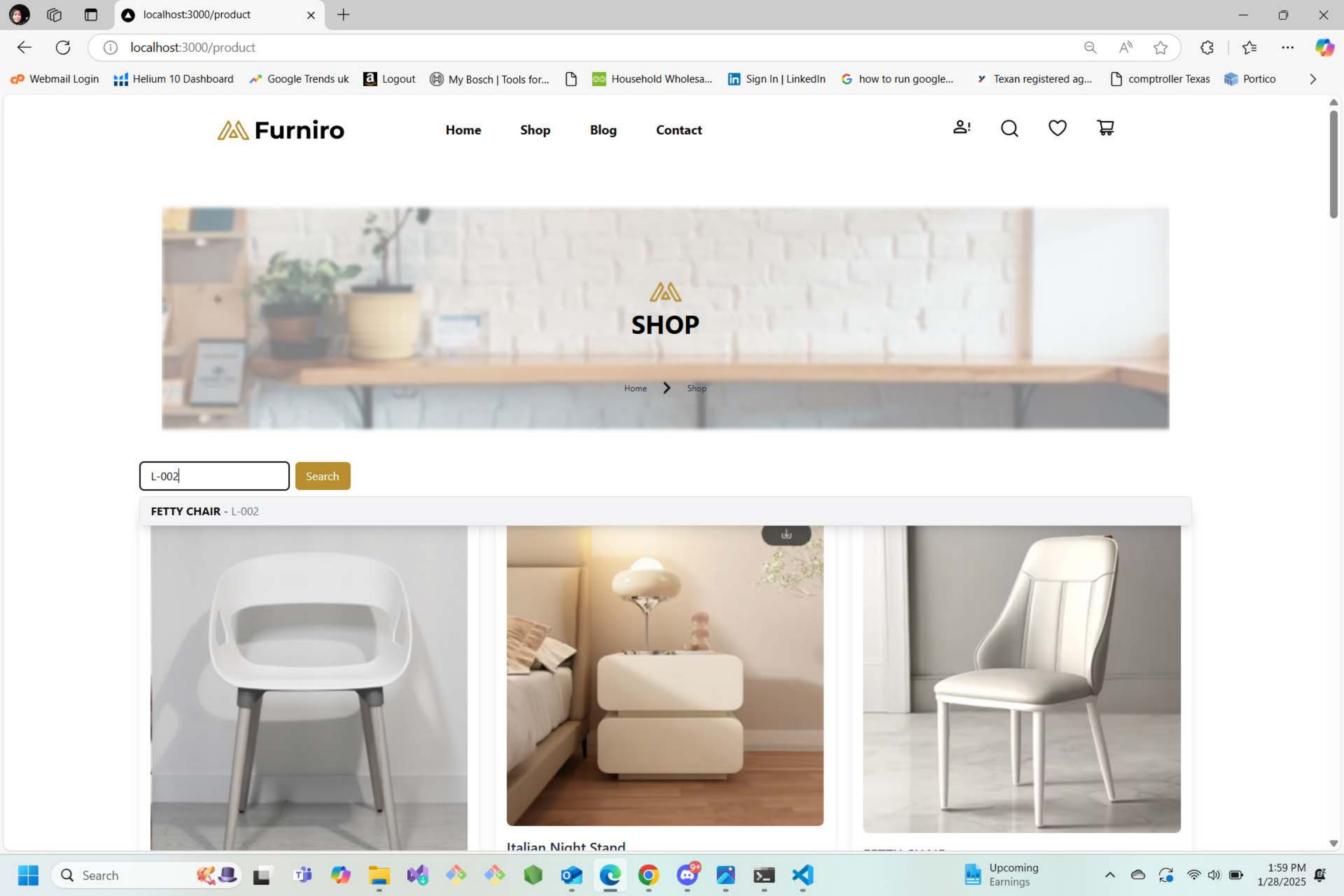
Furniro

Home   Shop   Blog   Contact
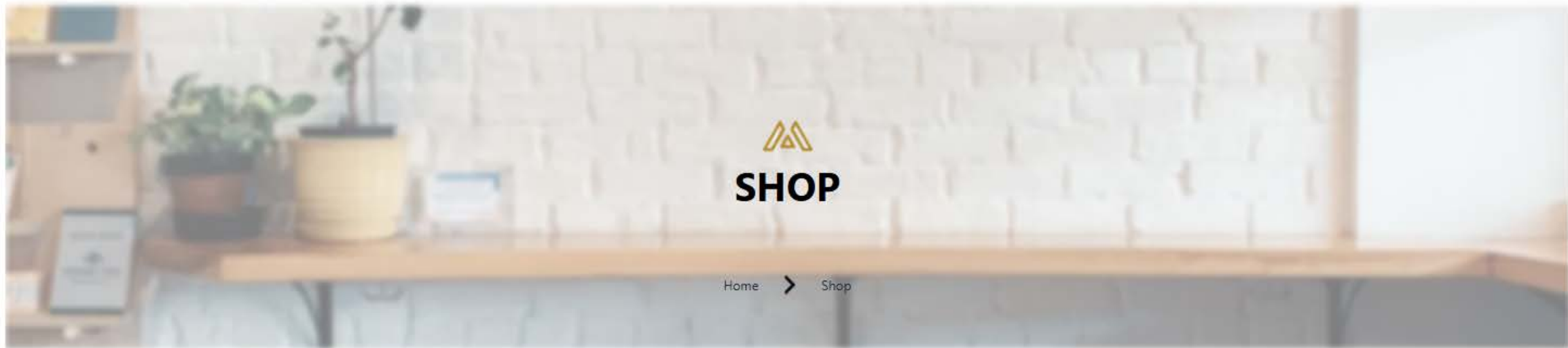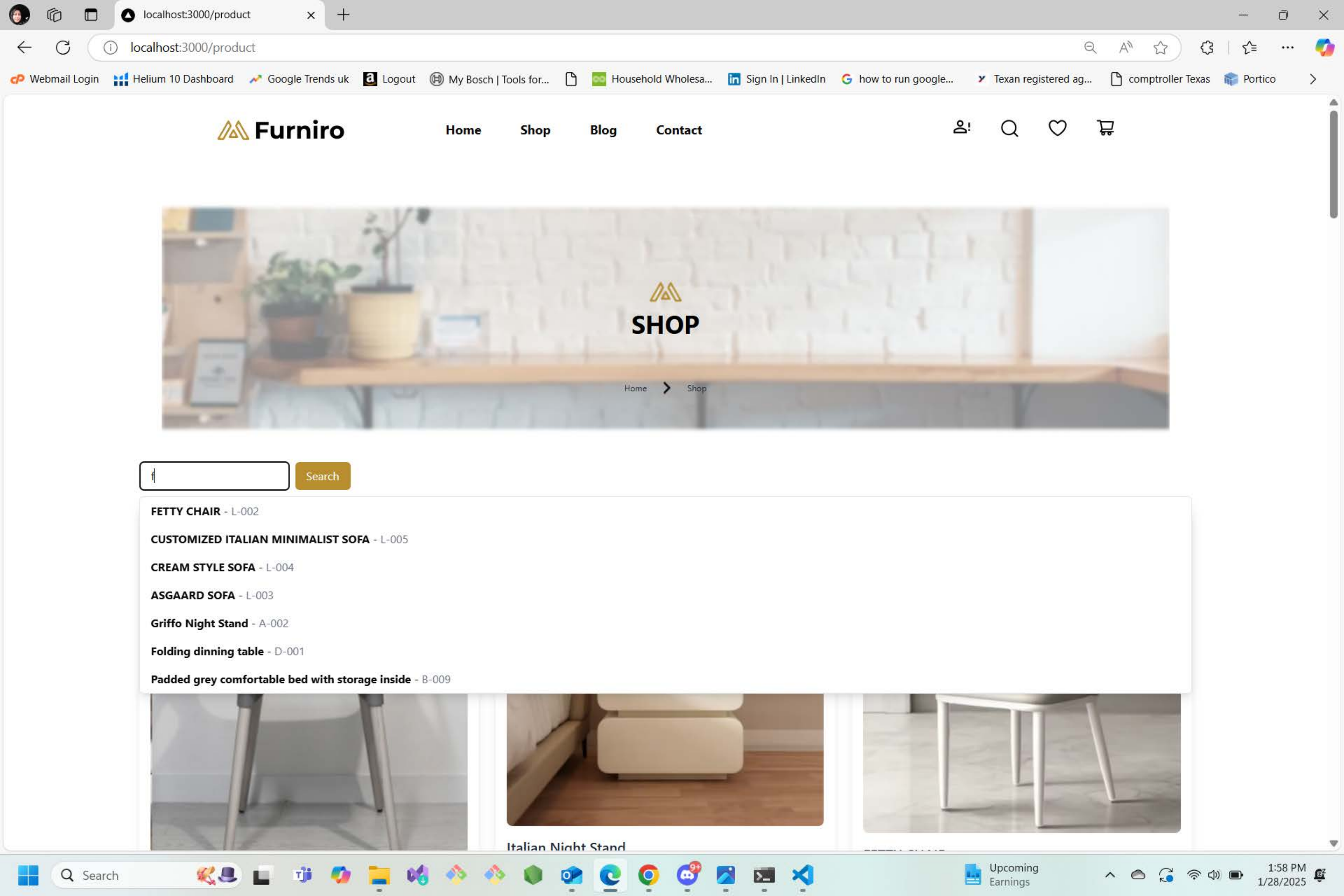
SHOP

Home   >   Shop

[f|]   Search

FETTY CHAIR - L-002

CUSTOMIZED ITALIAN MINIMALIST SOFA - L-005

CREAM STYLE SOFA - L-004

ASGAARD SOFA - L-003

Griffo Night Stand - A-002

Folding dinning table - D-001
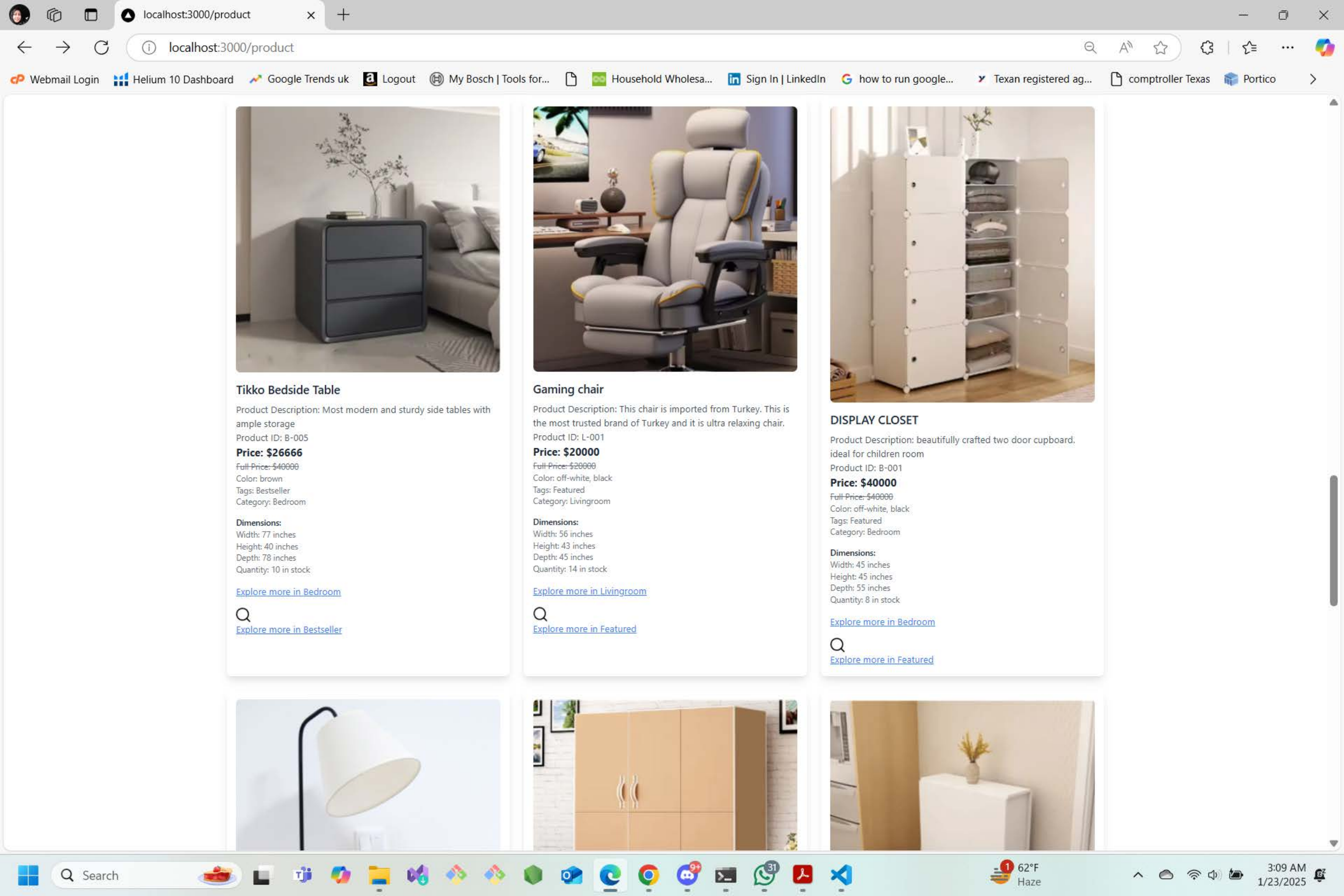
Padded grey comfortable bed with storage inside - B-009

Italian Night Stand

LEVIOSA

Product Description: Best chair for living room and kitchen. Available in many colors.
Product ID: L-007

Price: $8000
Full Price: $7999
Color: white and black
Tags: Signature
Category: Livingroom

Dimensions:
Width: 20 inches
Height: 19 inches
Depth: inches
Quantity: 20 in stock

Explore more in Livingroom

Explore more in Signature

Italian Night Stand

Product Description: It is beautiful lamp and it is french design. Best for bedrooms and drawing room
Product ID: A-001

Price: $12000
Full Price: $12000
Color: white
Tags: Newarrival
Category: Accessories

Dimensions:
Width: 30 inches
Height: 30 inches
Depth: 25 inches
Quantity: 10 in stock

Explore more in Accessories

Explore more in Newarrival

FETTY CHAIR

Product Description: Beautiful and innovative design chair, best for dinning set
Product ID: L-002

Price: $15000
Full Price: $15000
Color: off-white, black
Tags: Bestseller
Category: Livingroom

Dimensions:
Width: 20 inches
Height: 17 inches
Depth: inches
Quantity: 20 in stock

Explore more in Livingroom

Explore more in Bestseller

localhost:3000/tags/Newarrival

Tikko Bedside Table

Product Description: Most modern and sturdy side tables with ample storage
Product ID: B-005
Price: $26666
Full Price: $40000
Color: brown
Tags: Bestseller
Category: Bedroom

Dimensions:
Width: 77 inches
Height: 40 inches
Depth: 78 inches
Quantity: 10 in stock

Explore more in Bedroom

Explore more in Bestseller

Gaming chair

Product Description: This chair is imported from Turkey. This is the most trusted brand of Turkey and it is ultra relaxing chair.
Product ID: L-001
Price: $20000
Full Price: $20000
Color: off-white, black
Tags: Featured
Category: Livingroom

Dimensions:
Width: 56 inches
Height: 43 inches
Depth: 45 inches
Quantity: 14 in stock

Explore more in Livingroom

Explore more in Featured

DISPLAY CLOSET

Product Description: beautifully crafted two door cupboard. ideal for children room
Product ID: B-001
Price: $40000
Full Price: $40000
Color: off-white, black
Tags: Featured
Category: Bedroom

Dimensions:
Width: 45 inches
Height: 45 inches
Depth: 55 inches
Quantity: 8 in stock

Explore more in Bedroom

Explore more in Featured

⛰ Furniro

Home   Shop   Blog   Contact

Italian Night Stand

Product Description: It is beautiful lamp and it is french design. Best for bedrooms and drawing room

Product Id: A-001

Slug: italian-night-stand

Price: $12000

Full Price: $12000

Color: white

Tags: Newarrival

Quantity: 10 in stock

Dimensions:

Width: 30 inches
Height: 30 inches
Depth: 25 inches

Buy Now

1   Italian Night Stand   Add to Cart

Cart

Total Products: **0**

Product Name: **Italian Night Stand**

No items in the cart

Furniro

Home   Shop   Blog   Contact

Home > Shop > Italian Night Stand

Italian Night Stand

Product Description: It is beautiful lamp and it is french design. Best for bedrooms and drawing room

Product Id: A-001

Slug: italian-night-stand

Price: $12000

Full Price: $12000

Color: white

Tags: Newarrival

Quantity: 10 in stock

Dimensions:

Width: 30 inches
Height: 30 inches
Depth: 25 inches

Buy Now

1   Italian Night Stand   [Add to Cart]

Cart

Total Products: **1**
Product Name: **Italian Night Stand**

1   Italian Night Stand   [Delete from Cart]

Dimensions: Responsive   229 × 896   86%   No throttling

Dimensions:
Width: 20 inches
Height: 19 inches
Depth: inches
Quantity: 20 in stock

Explore more in Livingroom

Explore more in Signature

Italian Night Stand

Product Description: It is beautiful lamp and it is french design. Best for bedrooms and drawing room
Product ID: A-001
Price: $12000
Full Price: $12000
Color: white
Tags: Newarrival
Category: Accessories

Dimensions:
Width: 30 inches
Height: 30 inches
Depth: 25 inches

Elements

```
<a href="/product/0c2ad716-04da-4e99-b467-65c7c7bc35e4">
  <div>
    <img src="https://cdn.sanity.io/images/0jizi7pu/production/4614085...-311x301.png?w=350" alt="Italian Night Stand" class="w-full h-auto rounded-lg mb-4">
    <h2 class="text-xl font-semibold text-gray-800 mb-2">Italian Night Stand</h2>
    <p class="text-gray-600">...</p>
    <p class="text-gray-600">...</p>
    <p class="text-lg font--bold text-gray-800">...</p>
    <p class="text-sm text-gray-500 line-through">...</p>
    <p class="text-sm text-gray-500">...</p> == $0
    <p class="text-sm text-gray-500">...</p>
    <p class="text-sm text-gray-500">...</p>
  </div>
</a>
<div class="text-sm text-gray-500 mt-4">...</div>
<p class="text-sm text-gray-500">...</p>
<a class="text-blue-500 underline mt-4 block" href="/category/Accessories">...</a>
<a class="text-blue-500 underline mt-4 block" href="/tags/Newarrival">...</a>
</div>
<div class="product-card bg-white shadow-lg rounded-lg p-4">
```

...card.bg-white.shadow-lg.rounded-lg.p-4   a   div   p.text-sm.text-gray-500

Styles   Computed   Layout   Event Listeners   DOM Breakpoints

Filter   :hov .cls

element.style {
}

.text-gray-500 {   layout.css?...919312:1154
  --tw-text-opacity: 1;
  color: rgb(107 114 128 / var(--tw-text-opacity, 1));
}

.text-sm {   layout.css?...919312:1098
  font-size: 0.875rem;
  line-height: 1.25rem;
}

blockquote, dl, dd, h1, h2, h3, h4, h5,   layout.css?...5919312:403
h6, hr, figure, p, pre {
  margin: 0;
}
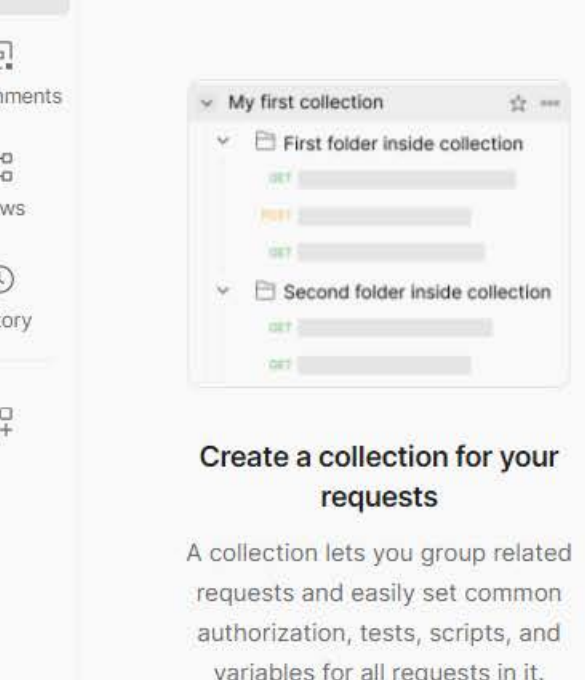
* {   layout.css?...5919312:525

Console   Issues   Autofill

Search Postman

Invite   Upgrade

Introducing AI Agent Builder - effortlessly discover, test, and integrate APIs and LLMs to accelerate agent development.   Start Building ↗

My Workspace   New   Import

Overview   Getting started   GET http://localhost:3000/pi ●   +

No environment ∨

Collections

Environments

Flows

History

+   ⊟

HTTP   http://localhost:3000/product

Save ∨   Share

GET ∨   http://localhost:3000/product   Send ∨

Params   Authorization   Headers (6)   Body   Scripts   Settings   Cookies

Query Params

	Key	Value	Description	Bulk Edit
	Key	Value	Description	

My first collection ☆ ⋯
First folder inside collection
GET
POST
GET
Second folder inside collection
GET
GET

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

Body   Cookies   Headers (9)   Test Results   ↺

200 OK · 1.09 s · 15.35 KB · ⊕ ⋯

HTML ∨   ▷ Preview   Visualize ∨

✓ 200 OK
Request successful. The server has responded as required.

```
1  <!DOCTYPE html><html lang="en"><head><meta charSet="utf-8"/><meta name="viewport" content=              ><link
   rel="preload" as="image" href="/Vector (2).png"/><link rel="preload" as="image" href=           as="image"
   href="/Vector (4).png"/><link rel="preload" as="image" href="/Vector (5).png"/><link                cdn.sanity.
   io/images/0jizi7pu/production/1a7f3ed2db1bdb9beca4213c74797db9be115166-285x301.png?w=350"/><link rel="preload" as="image"
   href="https://cdn.sanity.io/images/0jizi7pu/production/4614085058239ef7e455961bf755eec0883fde55-311x301.png?w=350"/><link
   rel="preload" as="image" href="https://cdn.sanity.io/images/0jizi7pu/production/9b7b3929995e5868f590a3dbcf51a16804f3fe71-508x503.png?
   w=350"/><link rel="preload" as="image" href="https://cdn.sanity.io/images/0jizi7pu/production/
   025d8471c5b11cb8bd047f834926a949004d242f-305x301.png?w=350"/><link rel="preload" as="image" href="https://cdn.sanity.io/images/
   0jizi7pu/production/ef3485f6dc9d50991c56771b4553cdf5f720a438-509x489.png?w=350"/><link rel="preload" as="image" href="https://cdn.
   sanity.io/images/0jizi7pu/production/c34fa2f3f7e293a7eda47bd66c61b9e6cb28d4e1-305x301.png?w=350"/><link rel="stylesheet" href="/_next/
   static/css/app/layout.css?v=1738130035036" data-precedence="next_static/css/app/layout.css"/><link rel="preload" as="script"
   fetchPriority="low" href="/_next/static/chunks/webpack.js?v=1738130035036"/><script src="/_next/static/chunks/main-app.js?
   v=1738130035036" async=""></script><script src="/_next/static/chunks/app-pages-internals.js" async=""></script><script src="/_next/
   static/chunks/app/layout.js" async=""></script><script src="/_next/static/chunks/app/product/page.js" async=""></script><link
   rel="preload" as="image" href="https://cdn.sanity.io/images/0jizi7pu/production/fcb452ba0f1be6691d44caebfd09eebc776ddc96-227x301.png?
```

⊡ ✓ Online   Find and replace   Console

Postbot   ▷ Runner   Start Proxy   Cookies   Vault   Trash

71°F   Smoke   10:54 AM   1/29/2025

Introducing AI Agent Builder - effortlessly discover, test, and integrate APIs and LLMs to accelerate agent development.   Start Building ↗

My Workspace   New   Import

Collections

Environments

Flows

History

Overview   Getting started   GET http://localhost:3000/pi   GET http://localhost:3000/pi   +

No environment ⌄

HTTP http://localhost:3000/product/0c2ad716-04da-4e99-b467-65c7c7bc35e4   Save ⌄   Share

GET ⌄   http://localhost:3000/product/0c2ad716-04da-4e99-b467-65c7c7bc35e4   Send ⌄

Params   Authorization   Headers (6)   Body   Scripts   Settings   Cookies

Query Params

	Key	Value	Description	••• Bulk Edit
	Key	Value	Description	

My first collection
  First folder inside collection
    GET
    POST
    GET
  Second folder inside collection
    GET
    GET

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

Body   Cookies   Headers (9)   Test Results   200 OK • 627 ms • 6.71 KB • •••

HTML ⌄   ▷ Preview   Visualize ⌄

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <meta charSet="utf-8" />
6       <meta name="viewport" content="width=device-width, initial-scale=1" />
7       <link rel="preload" as="image" href="/Vector (2).png" />
8       <link rel="preload" as="image" href="/Vector (3).png" />
9       <link rel="preload" as="image" href="/Vector (4).png" />
10      <link rel="preload" as="image" href="/Vector (5).png" />
11      <link rel="preload" as="image" href="/tinyrightarrow.png" />
12      <link rel="preload" as="image" href="/verticleline.png" />
13      <link rel="preload" as="image"
14          href="https://cdn.sanity.io/images/0jizi7pu/production/4614085058239ef7e455961bf755eec0883fde55-311x301.png?w=400" />
15      <link rel="stylesheet" href="/_next/static/css/app/layout.css?v=1738130199300" />
```

Search   71°F Smoke   10:56 AM 1/29/2025