



# HACKATHON (DAY 5)

TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT



# Functional Deliverables:

showcasing functional and responsive components.

**Foodtuck**

**It's Quick &  
Amusing!**

**The Art  
of Speed  
Food  
Quality**



Lorem ipsum dolor  
sit amet,  
consectetur  
adipiscing elit.  
Suspendisse auctor  
quam vitae nulla  
mollis, non  
venenatis tortor  
feugiat.



**Foodtuck**

[Home](#) [Menu](#) [Blog](#) [Pages](#) [About](#) [Shop](#) [Contact](#)

Search...



[Login](#)

**It's Quick & Amusing!**

## **The Art of Speed Food Quality**

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Suspendisse auctor quam vitae nulla mollis, non  
venenatis tortor feugiat.

[See Menu](#)





Dimensions: iPad Air ▼

820

× 1180

55% ▼

No throttling ▼



Chefs  
420

320

Experienced  
30+

Customers  
220

**Choose & Pick!**

**From Our Menu**

Appetizer

Main Course

**Sandwich**

Dessert

Drink



Country Burger

\$45 \$50

Add to Cart

[view details](#)



Burger

\$21 \$45

Add to Cart

[view details](#)



Country Burger

\$45 \$50

Add to Cart

[view details](#)





Why Choose Us

# Extra ordinary taste And Experienced

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque diam pellentesque bibendum non dui volutpat fringilla bibendum. Uma, elit augue uma, vitae feugiat pretium donec id elementum. Ultrices mattis sed vitae mus risus. Lacus nisi, et ac dapibus sit eu velit in consequat.



Fast Food



Lunch



Dinner

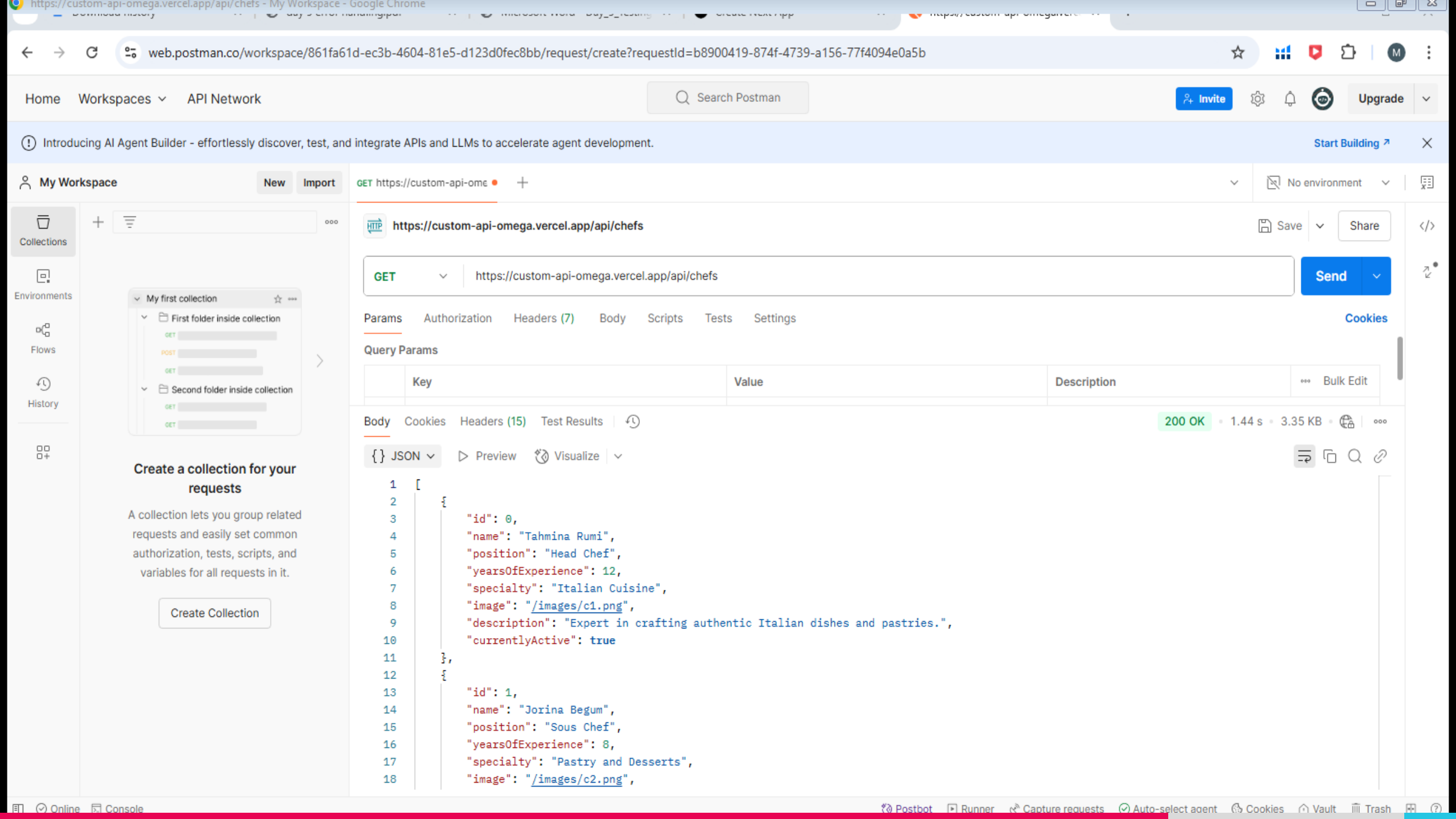
30+ Years of Experience





# Logs or reports from testing tools.

(e.g., Lighthouse, Postman)..



web.postman.co/workspace/861fa61d-ec3b-4604-81e5-d123d0fec8bb/request/create?requestId=b8900419-874f-4739-a156-77f4094e0a5b

Home Workspaces API Network

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

GET https://custom-api-ome

No environment

Collections

Environments

Flows

History

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

https://custom-api-omega.vercel.app/api/chefs

Save

Share

GET

https://custom-api-omega.vercel.app/api/chefs

Send

Params Authorization Headers (7) Body Scripts Tests Settings

Cookies

Query Params

	Key	Value	Description	Bulk Edit

Body Cookies Headers (15) Test Results

200 OK 1.44 s 3.35 KB

JSON Preview Visualize

```
1 [
2   {
3     "id": 0,
4     "name": "Tahmina Rumi",
5     "position": "Head Chef",
6     "yearsOfExperience": 12,
7     "specialty": "Italian Cuisine",
8     "image": "/images/c1.png",
9     "description": "Expert in crafting authentic Italian dishes and pastries.",
10    "currentlyActive": true
11  },
12  {
13    "id": 1,
14    "name": "Jorina Begum",
15    "position": "Sous Chef",
16    "yearsOfExperience": 8,
17    "specialty": "Pastry and Desserts",
18    "image": "/images/c2.png",
```



Diagnose performance issues



Performance



Accessibility



Best Practices



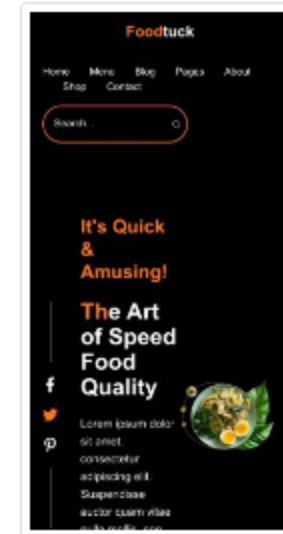
SEO



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49    ■ 50–89    ● 90–100



METRICS

Expand view

Mobile

Desktop



Performance



Accessibility



Best Practices



SEO



## Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49

■ 50–89

● 90–100

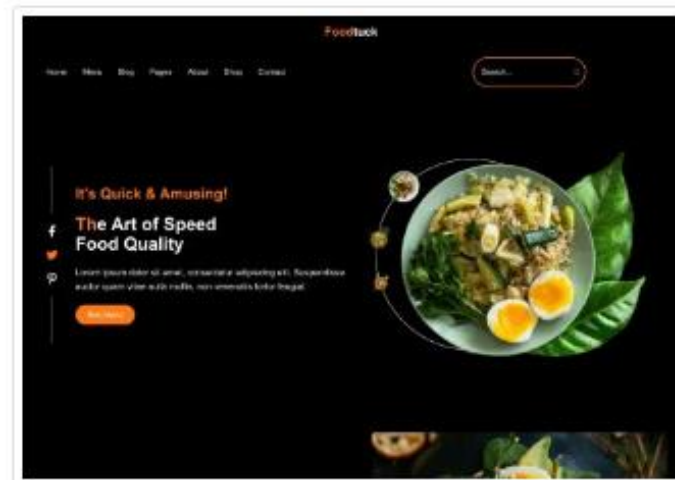
### METRICS

● First Contentful Paint

0.2 s

■ Largest Contentful Paint

1.4 s



Expand view



Mobile



Desktop



Best Practices

#### TRUST AND SAFETY

- ☐ Ensure CSP is effective against XSS attacks



PASSED AUDITS (14)

Show

# Developer Resources

Menu Blog Pages About Shop Contact

Search...



Login

's Quick & Amusing!

## The Art of Speed Food Quality

rem ipsum dolor sit amet, consectetur  
ipiscing elit. Suspendisse auctor quam  
ae nulla mollis, non venenatis tortor  
ugiat.



See Menu

about Us

Elements

Console

Sources

Network

Performance

Memory

App

```
<!DOCTYPE html>
<html lang="en" foxified>
  <head>
  </head>
  <body class="__variable_1e4310 __variable_c3aa02 antialiased">
    <div>
      <div class="font-sans bg-gray-100">
      </div>
      <div>
        <section class="bg-black text-gray-600 body-font">
          <div class="container mx-auto flex py-24 px-5 items-center justify-between">
            <div class="flex">
            </div>
          </div>
        </section>
      </div>
      <div class="bg-black py-10">
      </div>
      <div>
      </div>
      <div class="sec4 px-[20px] py-[60px] sm:px-[60px] py-[50px] text-white max-w-[1320px] lg:h-[800px] mx-auto flex justify-center items-center flex-col">
        <div class="back.text-gray-600.body-font">
        </div>
        <div class="div.container.mx-auto.flex.py-24.px-5.items-center.justify-between">
        </div>
      </div>
    </div>
  </body>
</html>
```

Console

What's new

AI assistance

Developer resources

Filter by URL and error

Status	URL	Initiator
success	/IEpTT04ucGFyc2Uoc2F2ZWZWRDZXJ0KSA6lFtdO1xyXG4gICAgfVxy	
success	/OGJjMCJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/NjU3YSJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/YjEzNSJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/MGVlYyJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/LmN1cnJlbnR9YH0gLy8gRW5zdXJlIHNdWcgZXhpc3RzXHJcbiA	
success	/MDgyYiJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjojKGFw	
success	/MTA0ZiJdLCJzb3VyY2VzQ29udGVudCI6W9uJjoiKGFw	
success	/ICdiZy1vcnFuZ2UuNTAwJyA6lCdiZy1ncmF5LTUwMCD9YH1cclxu	



# Testing Report (CSV Format):

Detailed testing report in CSV format





	A	B	C	D	E	F	G	H	I	
1	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity	L	Assigned	Remarks
2										
3	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-		No issues found
4										
5	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Low	-		Handled gracefully
6										
7	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	Low	-		Works as expected
8										
9	TC004	Check wishlist functionality	Add product into wishlist	Wishlist updates with added product	Wishlist update as expected	Passed	Low			Works as expected
10										
11	TC005	Check dynamic routing for products.	Click on product	Each product display dynamically with details	product details display dynamically	Passed	Low			Data render dynamically
12										
13	TC006	Search bar functionality	Inter product names, tags in searchbar	product comes in result when search	Result as expected	Passed	Low	-		Test successful
14										
15	TC007	Check data in category	Click in category and see the results	All data show when click on spacific category	Data shown in spacific category	Passed	Low			Successfully test
16										
17	TC008	Filter Panel & Pagination	test filter panel and pagination	Fully Functional	Expected Result	Passed	Low			Work as expected
18										
19	TC009	Checkout page	Check (checkout page)	Carry all customer information	successfully collect info	Passed	Low	.		No issue found
20										
21	TC010	Check all pages	By clicking on a page > Verify result	All pages contain a data	Work as expected	Passed	Low	.-		Handled gracefully
22										
23	TC011	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Low	.		Successfully Text Responsiveness
24										
25										



# Detailed Report!

A detailed report.

# Test cases executed and their results.

Fully Responsive website by adding responsiveness through Tailwind CSS & test in all types of screens to see the performance by applying best practices , achieve a well structure & well organized web .

Tested responsiveness on different browsers to ensure compatibility. Used tool like BrowserStack to verify responsiveness on several devices and browsers. Ensures that all components rendered and functioned consistently across tested browsers and devices.

# Performance optimization steps taken.

To enhance performance these are the steps

1. Used try-catch blocks to handle API errors.
2. Displayed fallback messages, e.g., "Failed to fetch products."
3. Displayed alternative fallback UI if the data is unavailable such as "Product not found".
4. Displayed loaders while data is fetching for better user experience.
5. Uses postman to test API response.
6. Used tools like lighthouse to test the performance of website.



# Security measures implemented.

1. Added error messages for invalid inputs.
2. Secure all sensitive information in .env file like API Keys etc. .
3. By applying best practices avoids attacks.





# Challenges faced and resolutions applied.

The most common Challenge is while fetched data from sanity (Backend) its takes time to load and looks AHHH but after applying loaders its enhance a website performance and also looks great because its makes website a cool & without any hesitation data fetched from sanity . Thus Lazy Loaders enhanced performance of the website.

# Conclusion

Successfully build a fully functional & Marketplace website with responsive layouts , best UX/UI design.

All critical aspects, including functional testing, error handling, performance optimization, cross browser and device compatibility, and security, were thoroughly addressed.

A composite image featuring a person with blonde hair at the top and a person's hands typing on a laptop keyboard at the bottom. A glass of iced coffee sits on the table next to the laptop. The background shows a wooden lattice fence and some greenery.

# THANK YOU!