

Hackathon

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Laying The Foundation For your Marketplace Journey

Day:01

Day 1

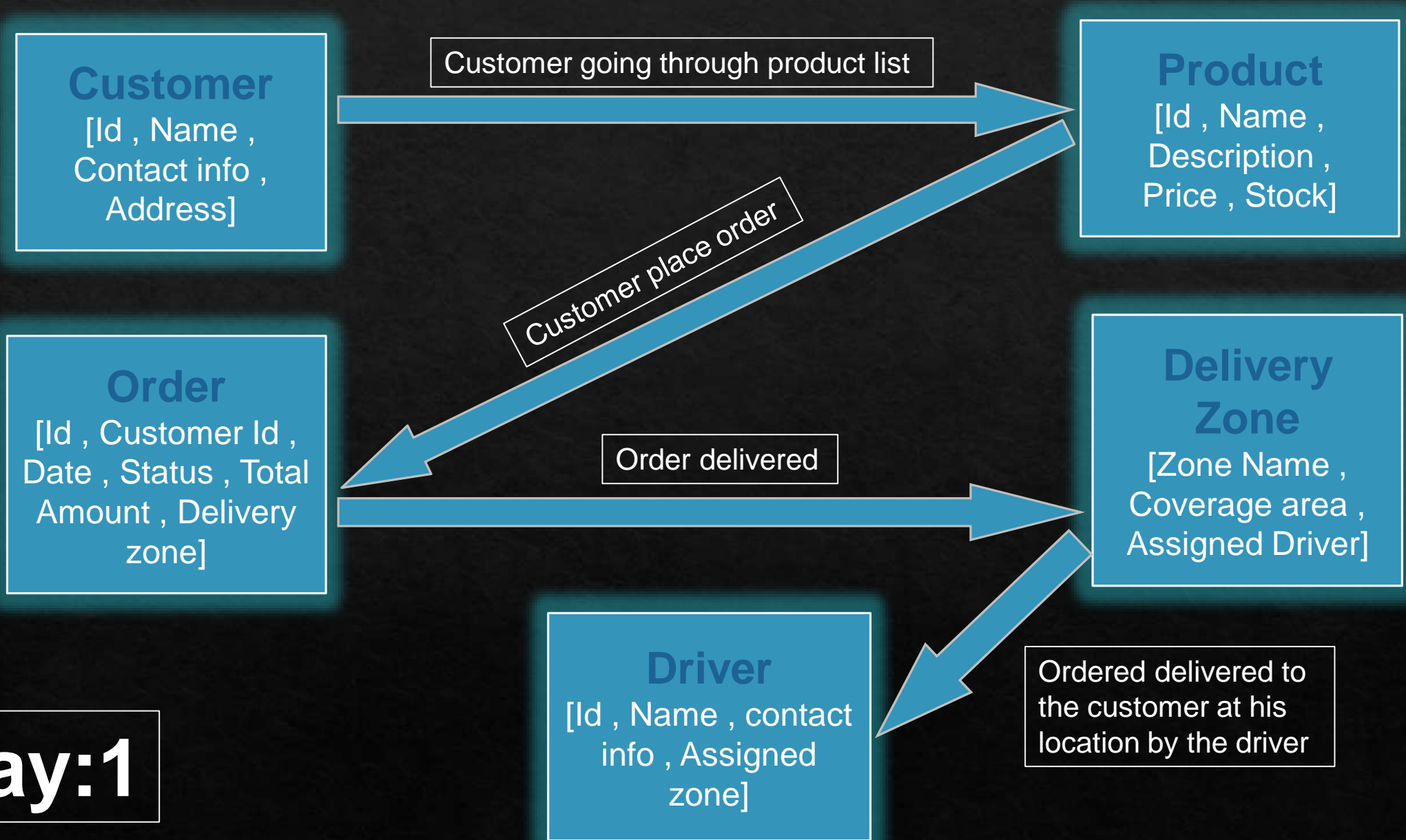
❖ A quick review of day 1:

Quick E-commerce

Business Goal:

- ❑ Problem Solving: Health, storage & maintenance , Fashion , grocery , kids product , Urgent needs , flexibility.
- ❑ Targeted Audience: Students , working women , Patients, etc.
- ❑ Categories: Products , Services , Subscription plan , Buyout options.
- ❑ Impact: Affordability , sustainability , Speed , Customization.

Day:1



Technical Approach

Day:02

Quick E-commerce Website



Front-End(user interface)

Pages

Home Page

Product list

Product
Details

About

Cart

Check Out

Confirmati
on
Page

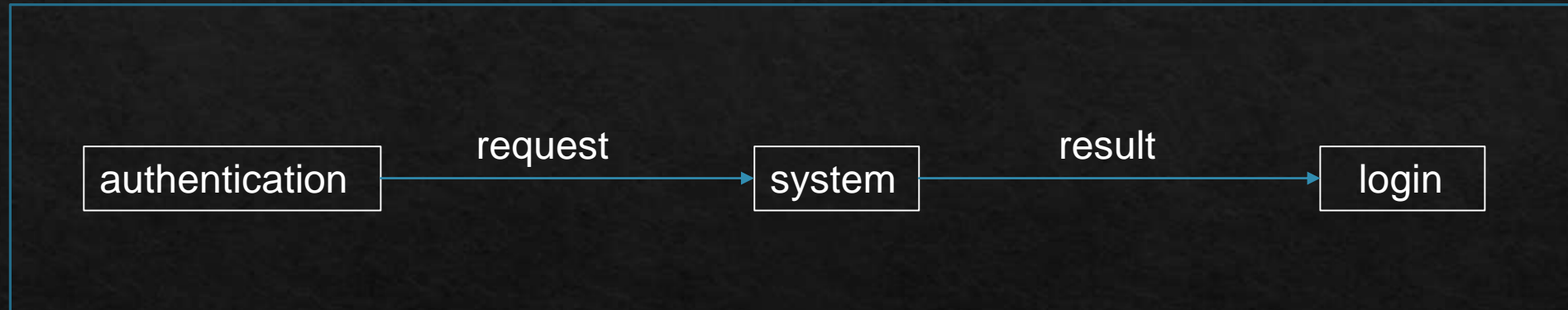
Schema

◇ Definition:

A schema is a blueprint that describes how data is organized and stored in a database.

```
{  
  "Name" : "product name"  
  "Price" : "Product price"  
  "Description" : "About product"  
  "Category" : "Category name"  
}
```


APIs



Shipment tracking

Payment gateway

Tax collection

Frontend integration

Sanity CMS

◆ Sanity work as a backend.

◆ Definition:

It will handle the backend and act as a database to store and manage.

- Product details
- Customer details
- Order records

Interaction

- ❖ How Front-End interacts with Sanity and Third party APIs

```
+-----+
| Frontend |
+-----+
| - User Interface |
| - Responsive Design |
| - Pages |
```

```
+-----+
|
| Fetch/Send Data
v
```

```
+-----+
| Sanity CMS |
+-----+
| - Product Data |
| - Customer Details |
| - Order Records |
```

```
+-----+
|
| Fetch/Send Data
v
```

```
+-----+
| Third-Party APIs |
+-----+
| - Payment Gateway |
| - Shipment Tracking |
| - Other Services |
+-----+
```

Flow Chart

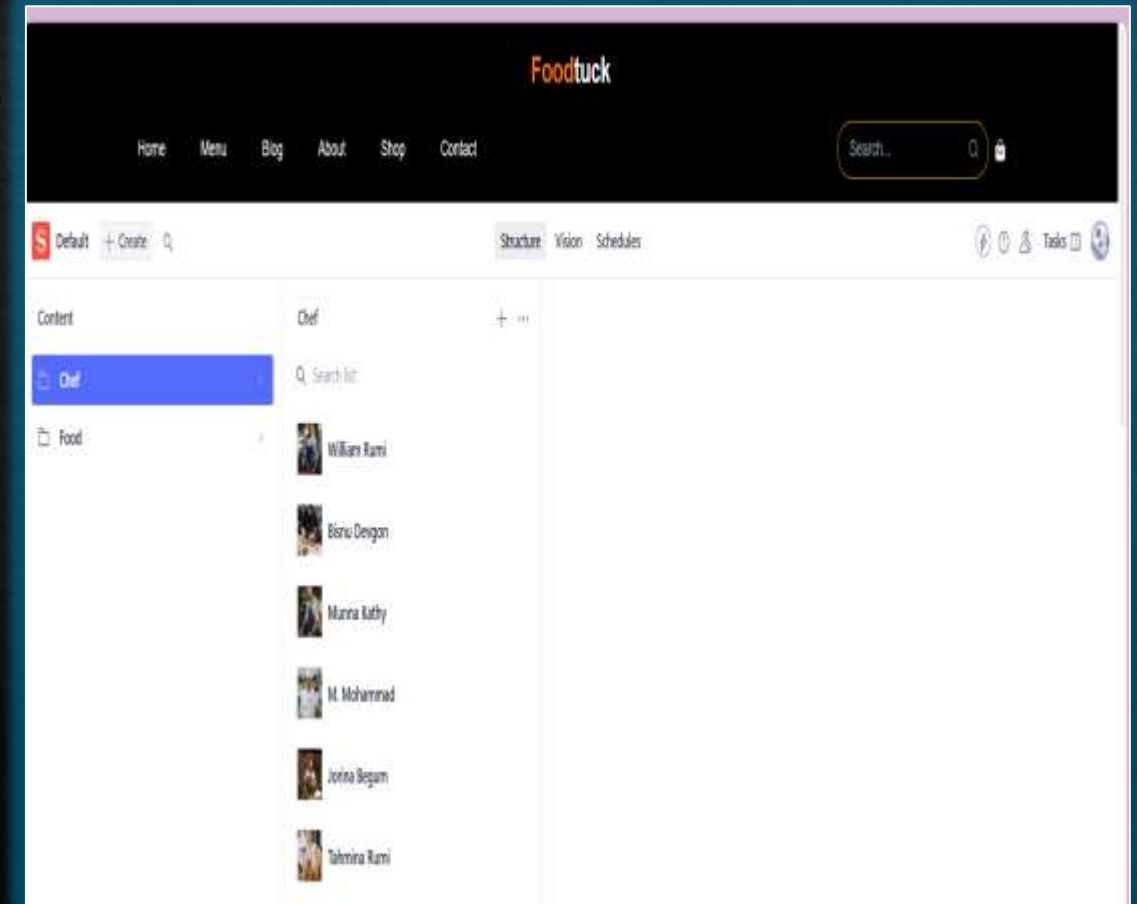
Technical Approach

API integration & Data migration

Day:03

API Integration

In the third day of the hackathon, Our task was integrating an external API into our project. The goal was to enhance the functionality of the application by enabling it to interact with external data sources. I started by analyzing the API documentation to understand the available endpoints, authentication methods, and request/response structures. After identifying the specific endpoints relevant to our use case, I implemented the API integration in our backend using Next.js , Sanity . This involved setting up the necessary authentication (e.g., API tokens), handling different request methods like GET or POST, and parsing the JSON responses . The integration allowed our application to fetch real-time data from the API and display it dynamically in the user interface. For instance, I enabled seamless data retrieval for [specific features or modules], ensuring robust error handling and smooth performance under various scenarios . This task not only improved the functionality of our project but also taught me the importance of understanding API specifications and managing data flow effectively within an application. The experience was both challenging and rewarding, adding a valuable component to our hackathon submission.



Data Migration

On Day 3 of the hackathon, I worked on data migration using Sanity. I used Sanity's API to fetch data from the source and structured it into the required schema for our project. Using scripts, I automated the process to upload the data into our Sanity dataset. This ensured all the content was properly migrated and ready for use in the application.

```
rc > sanity > schemaTypes > TS index.ts > schema > types
1  import { type SchemaTypeDefinition } from 'sanity'
2  import chefs from './chefs'
3  import food from './food'
4
5  export const schema: { types: SchemaTypeDefinition[] } = {
6    types: [chefs, food],
7  }
8
```

Schema

```
export default {
  name: 'chef',
  type: 'document',
  title: 'chef',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Chef Name',
    },
    {
      name: 'position',
      type: 'string',
      title: 'Position',
      description: 'Role or title of the chef (e.g., Head Chef, Sous Chef)',
    },
    {
      name: 'experience',
      type: 'number',
      title: 'Years of Experience',
      description: 'Number of years the chef has worked in the culinary field',
    },
    {
      name: 'specialty',
      type: 'string',
      title: 'Specialty',
      description: 'Specialization of the chef (e.g., Italian Cuisine, Pastry)',
    },
    {
      name: 'image',
      type: 'image',
      title: 'Chef Image',
      options: {
        hotspot: true,
      },
    },
  ],
}
```

Chef Schema

```
src > sanity > schematypes > ts food.ts > default
1  expo (property) type: string
2
3  type: 'document',
4  title: 'Food',
5  fields: [
6    {
7      name: 'name',
8      type: 'string',
9      title: 'Food Name',
10     },
11     {
12       name: 'category',
13       type: 'string',
14       title: 'Category',
15       description:
16         'Category of the food item (e.g., Burger, Sandwich, Drink, etc.)',
17     },
18     {
19       name: 'price',
20       type: 'number',
21       title: 'Current Price',
22     },
23     {
24       name: 'originalPrice',
25       type: 'number',
26       title: 'Original Price',
27       description: 'Price before discount (if any)',
28     },
29     {
30       name: 'tags',
31       type: 'array',
32       title: 'Tags',
33       of: [{ type: 'string' }],
34       options: {
35         layout: 'tags',
```

Food Schema

Building dynamic Front-End components for your marketplace

Day:04



Adding functionality of Add To Cart



Chicken Chunks











\$300

Add to Cart

Functionality

Added To Cart

Cart

Product	Price	Quantity	Total	Remove
 Burger	\$10.99	2	\$21.98	
 Fresh Lime	\$3.49	1	\$3.49	
 Pizza	\$9.99	4	\$39.96	
 Chocolate Muffin	\$4.49	1	\$4.49	
 Cheese Butter	\$11.99	3	\$35.97	

Coupon Code

Lorem ipsum dolor, sit amet consectetur adipiscing elit. Deserunt unde ratione eius voluptates. Quae quisquam nam ullam ea corrupti voluptates voluptatibus quis, deserunt nobis velit, minus, natus exspecta sed debitis? 7

Coupon Code:DISCOUNT20

Enter your code

Apply

Cart Subtotal

\$100.89

Discount

\$0.00

Shipping Charges

\$30.00

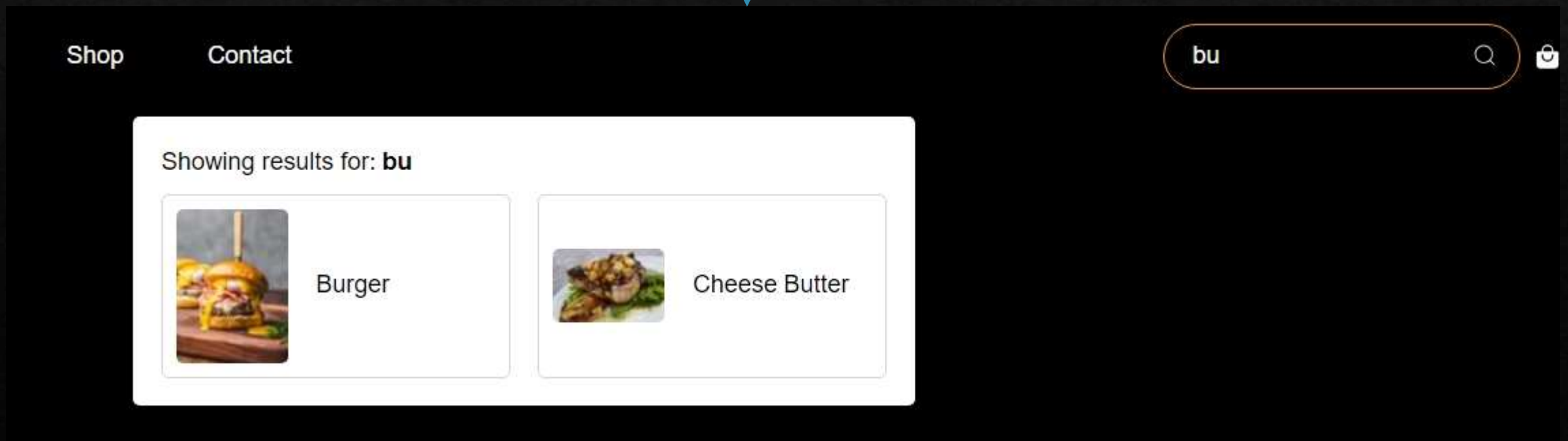
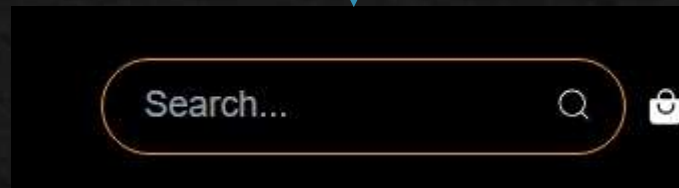
Total Amount

\$135.89

Proceed to Checkout

Discount Coupon Code & Total

Search Bar



Check Out

Checkout

Email

Billing Address

Shipping Address

Payment Method

☒ Credit Card ☐ PayPal ☐ Cash on Delivery ☐ Debit Card

Complete Purchase

Checkout is the final step in the e-commerce purchasing process, where customers review their cart, enter necessary shipping and payment information, and complete their purchase. It's crucial for a seamless checkout experience to be simple, secure, and efficient to encourage customers to finalize their orders. Clear item details, total cost calculations, and easy navigation are key components of an effective checkout process, often followed by an order confirmation or thank-you message once the transaction is successful.

Cart Subtotal	\$105.89
Discount	\$0.00
Shipping Charges	\$30.00
Total Amount	\$135.89

Proceed to Checkout

FAQs

About Us.

Corporate clients and leisure travelers rely on Groundlink for safe, professional chauffeured car service worldwide.



Opening Hours

Mon - Sat (8.00am - 9.00pm)
Sunday - Closed

Useful Links

[About](#)[News](#)[Partner](#)[Team](#)[Menu](#)[Contact](#)

Help?

[FAQ](#)[Term and Conditions](#)[Reporting](#)[Documentation](#)[Support Policy](#)[Privacy Policy](#)

Questions Looks Here

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the

How do we serve food?



How is our food quality?



How do we give home delivery?



How can we get in touch with you?



What will be delivered? And When?



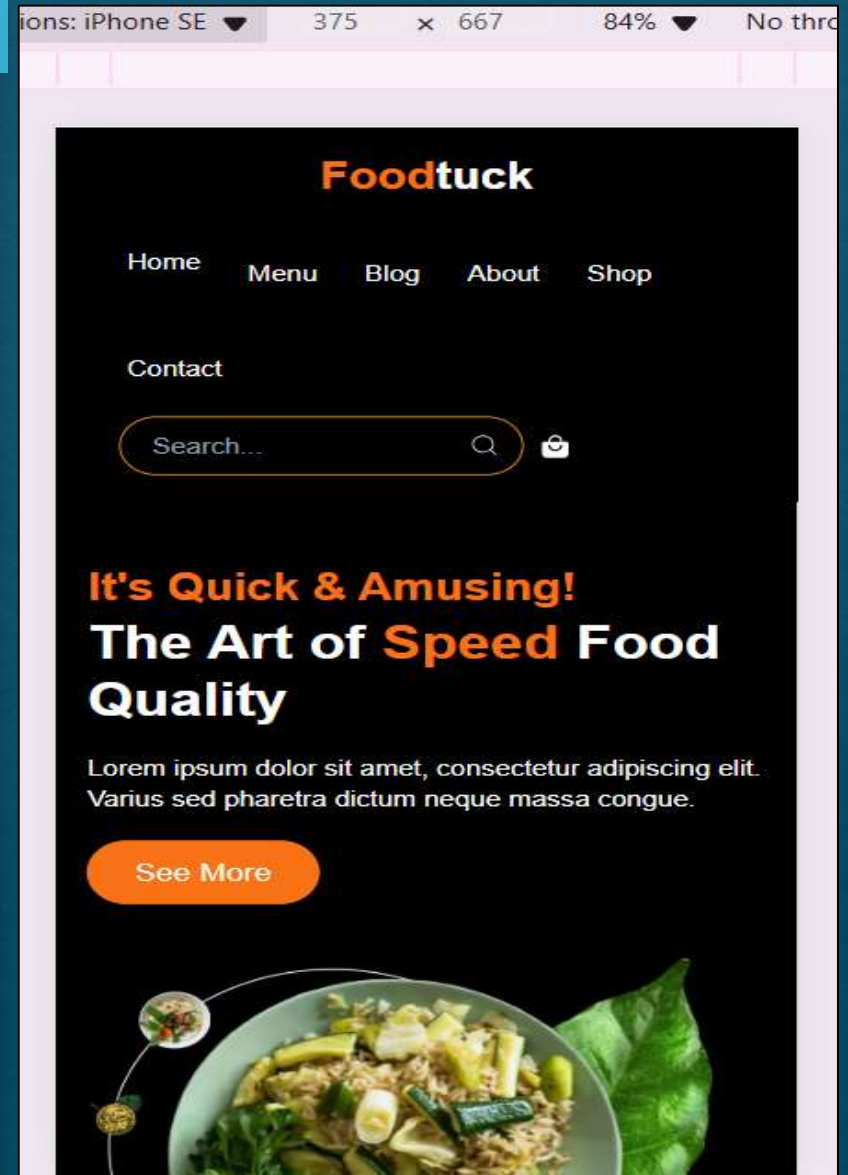
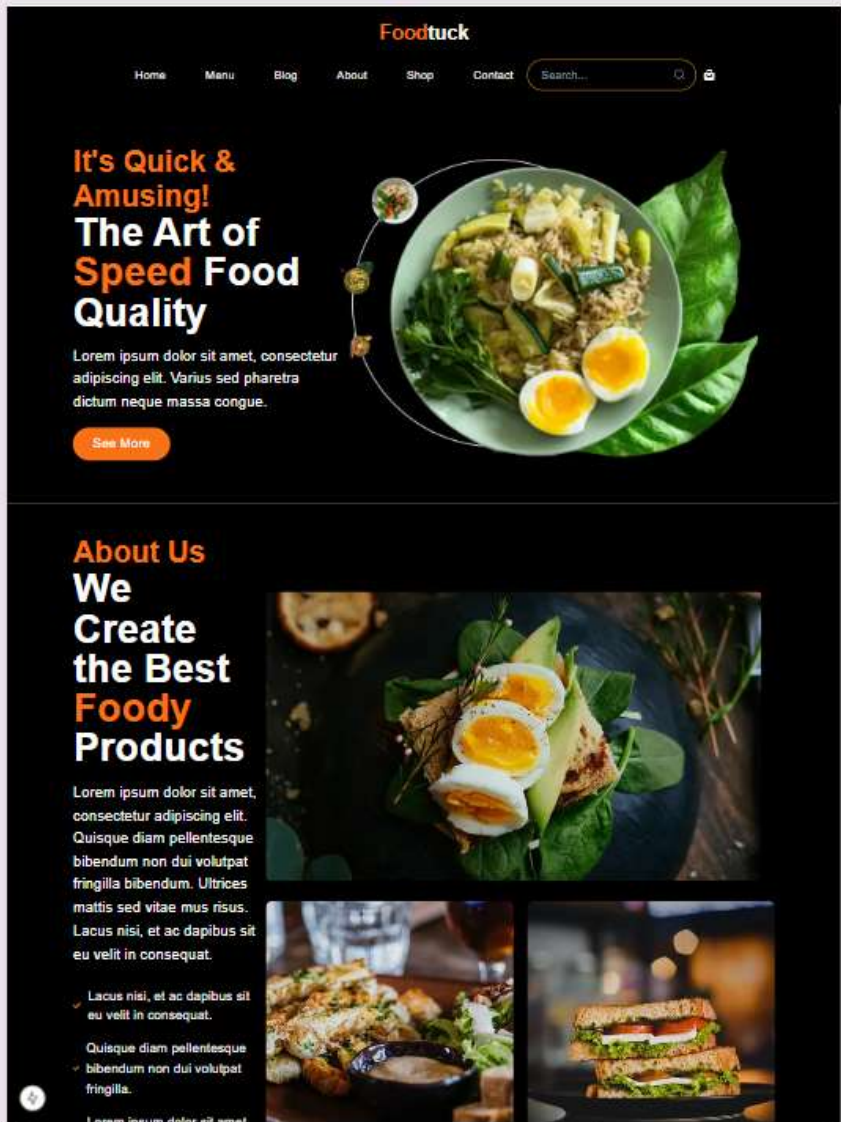
Is this restaurant 24 hours open?













Testing & Error Handling

Day:05

Responsive



Functional

Product	Price	Quantity	Total	Remove
 Burger	\$10.99	<input type="text" value="3"/>	\$32.97	
 Fresh Lime	\$3.49	<input type="text" value="2"/>	\$6.98	
 Pizza	\$9.99	<input type="text" value="3"/>	\$29.97	
 Chocolate Muffin	\$4.49	<input type="text" value="1"/>	\$4.49	
 Cheese Butter	\$11.99	<input type="text" value="3"/>	\$35.97	

Checkout

Email

Nimra@gmail.com

Billing Address

nimra

Address

khi

Postal Code

Shipping Address

Full Name

Address

City

Postal Code

Payment Method

☒ Credit Card ☐ PayPal ☐ Cash on Delivery ☐ Debit Card

Testing Report

Test Case ID	Description	Steps	Result	Status	Level
TC001	Product Listing	Shown in Grid	Showing	Pass	high
TC002	Product details	hovering	showing	pass	high
TC003	Add to Cart	Product to cart	showing	pass	medium
TC004	Cart operation	Operating	showing	pass	high
TC005	Design	Responsive	showing	pass	high
TC006	Links	Responsive	opening	pass	High
TC007	Checkout	Responsive	showing	pass	High
TC008	Sanity	Data present	Showing	pass	high

Performance



http://localhost:3000/



Performance



Accessibility



Best
Practices



SEO

There were issues affecting this run of Lighthouse:

- Chrome extensions negatively affected this page's load performance. Try auditing the page in incognito mode or from a Chrome profile without extensions.



Performance

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

▲ 0–49

■ 50–89

● 90–100



Developers Tool


Foodtuck

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

It's Quick & Amusing!
The Art of Speed Food Quality

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Varius sed pharetra dictum neque massa congue.

See More



Elements

Console

Sources

Network

Performance

Memory

Application

Security

Light

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <body class="__variable_4d318d __variable_ea5f4b antialiased">
      <nav class="bg-black text-white p-4 w-full sticky top-0 z-50">
        <div class="flex flex-col items-center">
```

div.flex.flex-col.items-center

div.flex.flex-wrap.items-center.justify-between.w-full.mt-4.px-4.md\:px-\[135px\]

Console

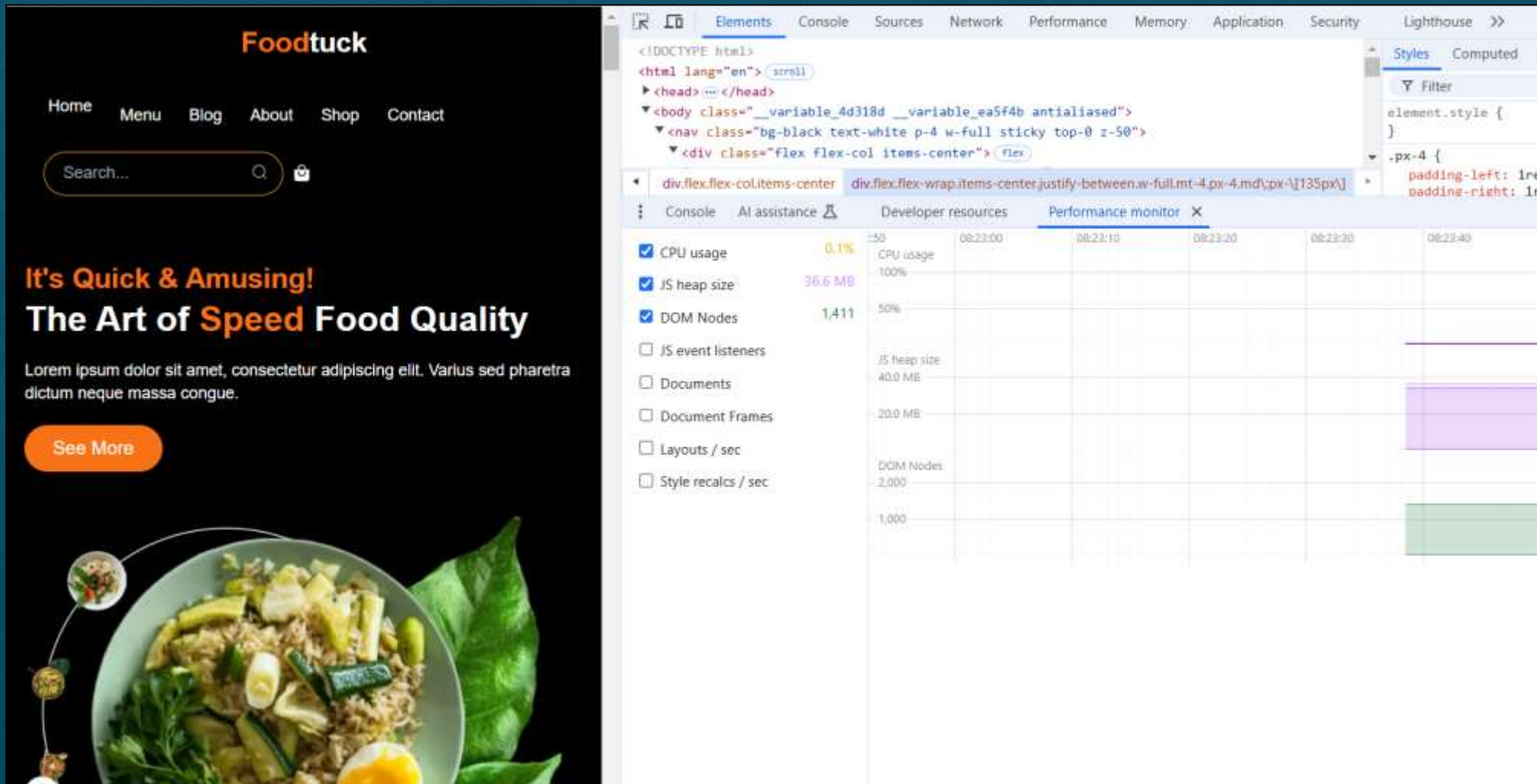
AI assistance

Developer resources

Filter by URL and error

Status	URL	Initiator	Total Bytes	Error
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		472	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZiYVluQ291cnNILjA		474	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaG9vc2V1cy5kM2		466	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaG9vc2V1czluZDA		474	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		3 685	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjYXAuMmZiODRl		446	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZidXJnZXluNzk3ZTY		458	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZzcG9uLmQ5N2Yw		450	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZwaXp6YS5jNjk4Y2		454	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		2 969	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		472	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		6 378	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		10 045	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZibG9ncGl6emEuNT		474	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZmYm91dDQuZjc0N		458	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaGFwcC1wYV		2 903	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaGVmM55jMGEx		454	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaGVmMi5mMDk5		454	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaGVmMy4zNWw		454	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZjaGVmNC4yZjBjMj		454	
success	/IfwidGV4dC1vcnFuZ2U0NTAwIGZvbnc2VtaWVjbGRcllA6fwiXCjccx		6 615	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZvdXJtZW51aW1nL		474	
success	/dXJsPSUyRi9uZXh0JTJGc3RhdGljJTJGbWVkaWEIMkZvbTEuYmQwZTcwY		450	

CPU Performance



Deployment & environment setup

Day:06

Deployment Preparation

npm run build

```
D:\QUARTER 2\hackathonfigma-e>npm run build

> hackathonfigma-e@0.1.0 build
> next build

  ▲ Next.js 15.1.0
  - Environments: .env.local

  Creating an optimized production build ...
  ✓ Compiled successfully
  ✓ Linting and checking validity of types
  ✓ Collecting page data
  ✓ Generating static pages (17/17)
  ✓ Collecting build traces
  ✓ Finalizing page optimization

Route (app)
├─ /
│   8.52 kB 121 kB
├─ /_not-found
│   990 B 107 kB
├─ /studio/[[...tool]]
│   1.32 MB 1.42 MB
+ First Load JS shared by all
  106 kB
  ├ chunks/1517-02a6e9b5d76de3f9.js
  │   50.6 kB
  ├ chunks/4bd1b696-fae491537c6beb6f.js
  │   53 kB
  └ other shared chunks (total)
    2.33 kB


Route (pages)
├─ /about
│   3.04 kB 102 kB
├─ /blog
│   1.49 kB 101 kB
├─ /cart
│   1.97 kB 101 kB
├─ /checkout
│   1.75 kB 95.9 kB
├─ /contact
│   676 B 94.8 kB
├─ /error
│   670 B 94.8 kB
├─ /faq
│   1.45 kB 95.6 kB
├─ /menu
│   4.38 kB 104 kB
├─ /news
│   2.33 kB 99.4 kB
├─ /shop
│   1.52 kB 101 kB
├─ /Signin
│   3.43 kB 97.6 kB
├─ /signuppage
│   1.91 kB 101 kB
+ First Load JS shared by all
  92 kB
  ├ chunks/framework-bfbb74178f07a56d.js
  │   57.5 kB
  ├ chunks/main-952487bd437f3aff.js
  │   31.9 kB
  └ other shared chunks (total)
    2.62 kB
```

Live deployment & post Launch practice

Day:07

Successfully Deployed

Congratulations!

You just deployed a new project to  aleenaamir22's projects.



Next Steps



Instant Previews

Push a new branch to preview changes instantly



Add Domain

Add a custom domain to your project



Enable Speed Insights

Track how users experience your site over time



[Continue to Dashboard](#)