

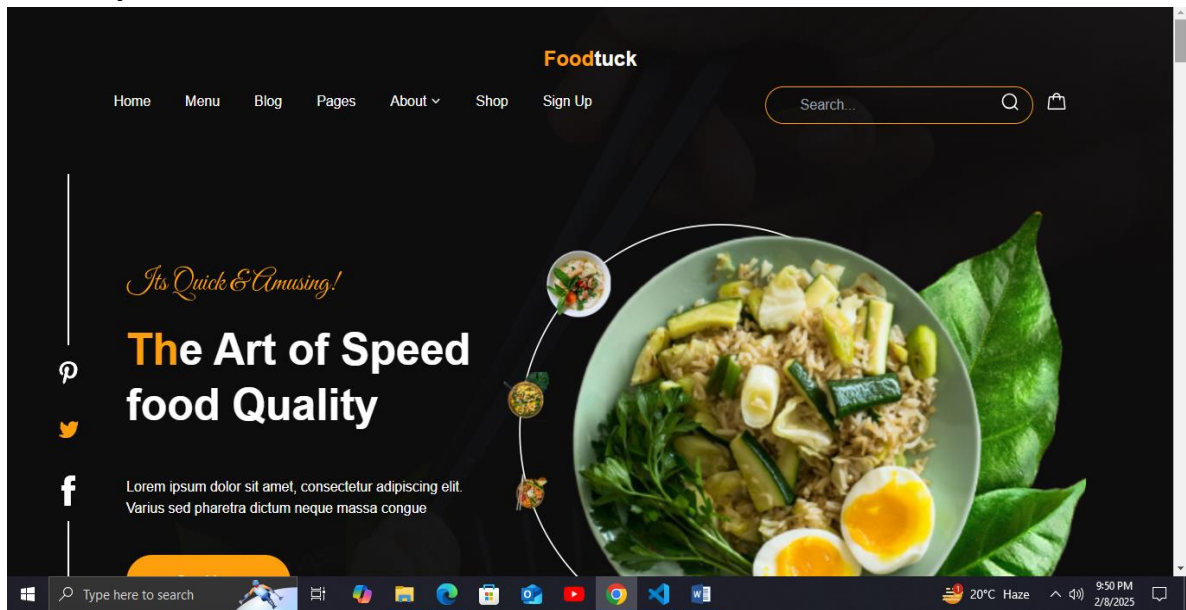
DAY 5

1. Functional Deliverables:

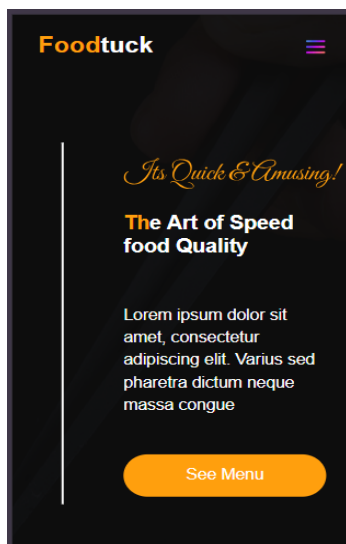
- Responsive Components (UI Screenshots)

----- Header -----

Desktop

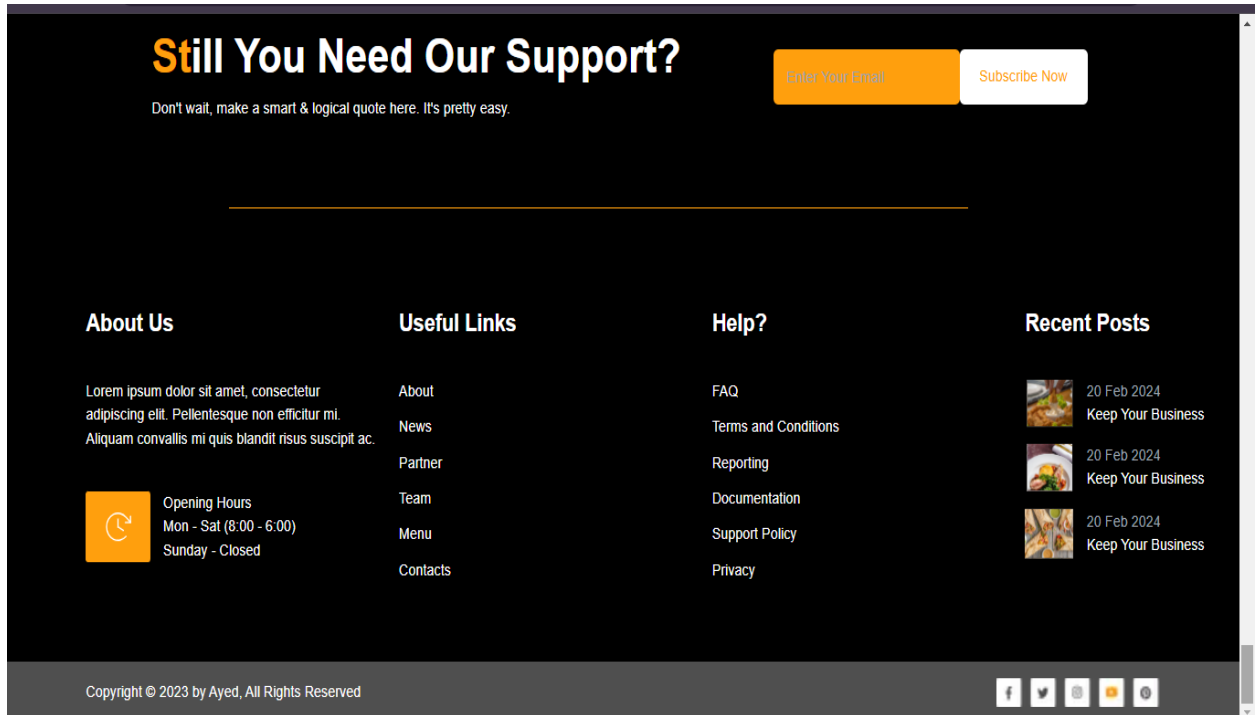


Mobile Phones



Footer

Desktop



MobilePhones:



Home Page

Desktop




About us

We create the best foody product

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[Read More](#)



Mobile Phones

About us

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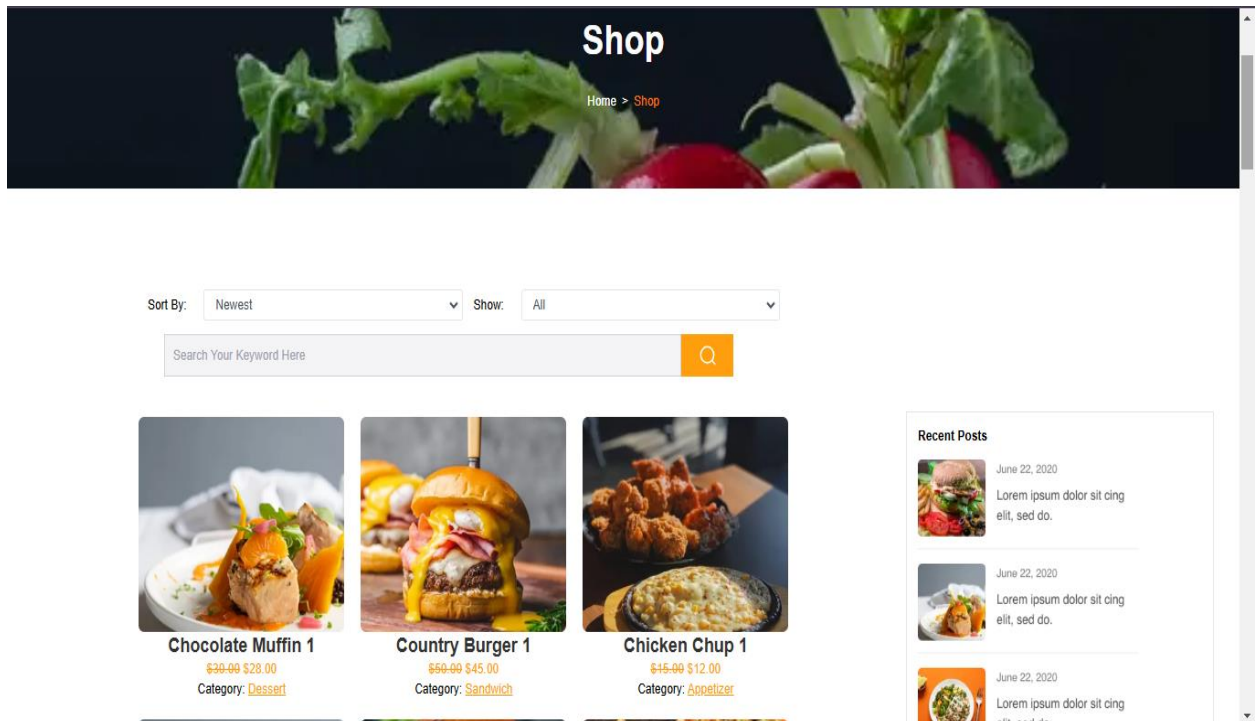
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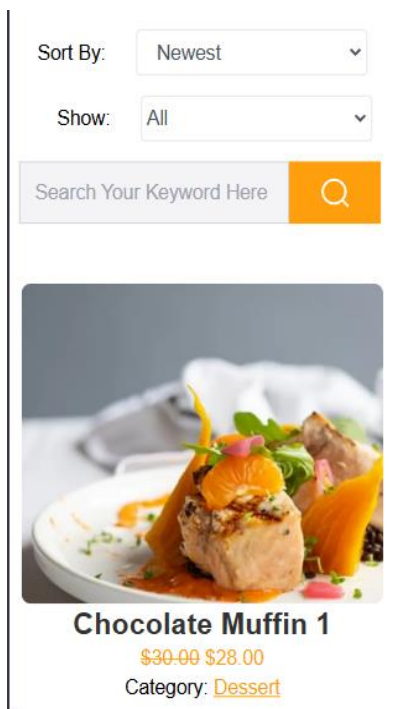
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Shop

Desktop

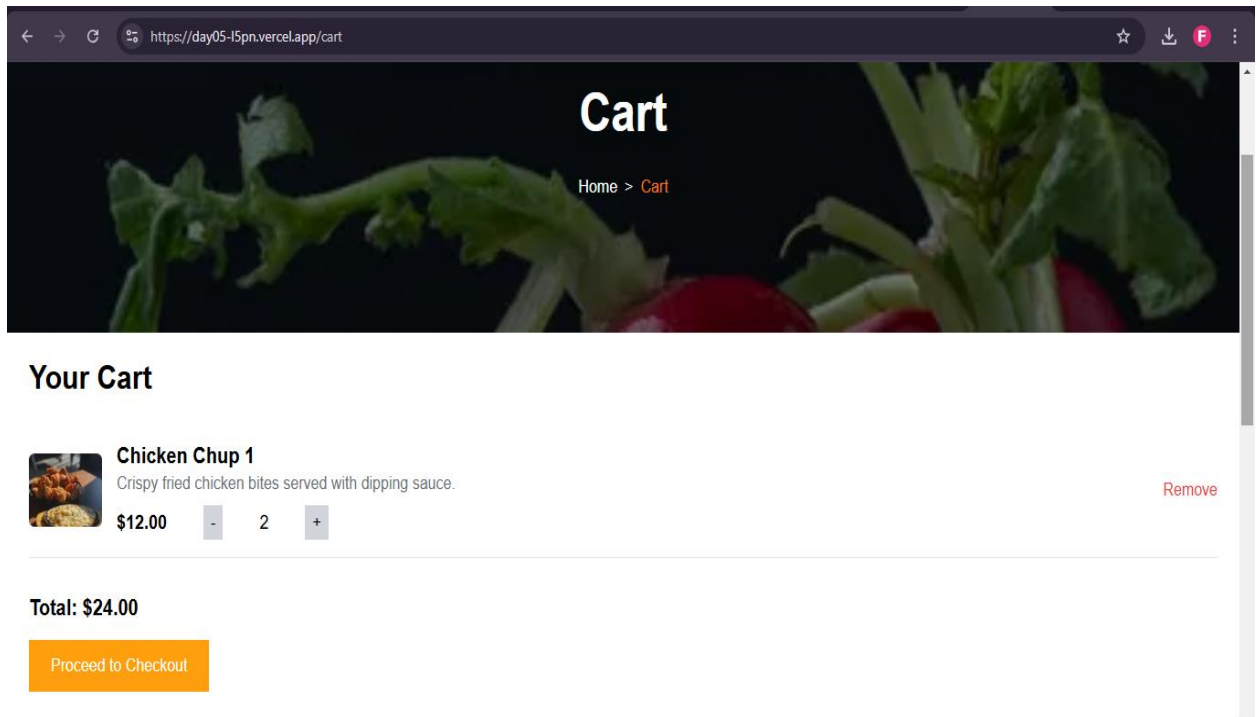


Mobile Phones

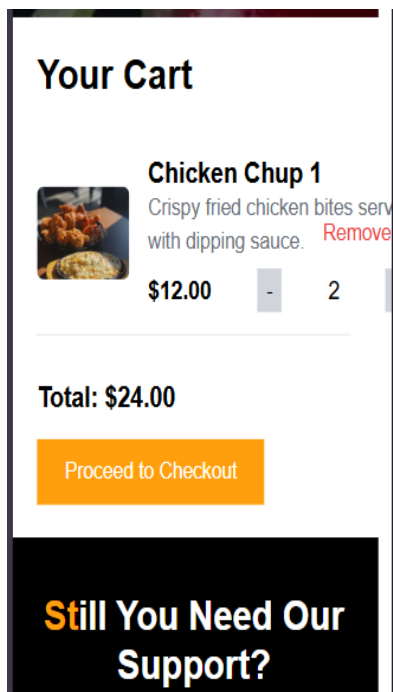


Cart

Desktop

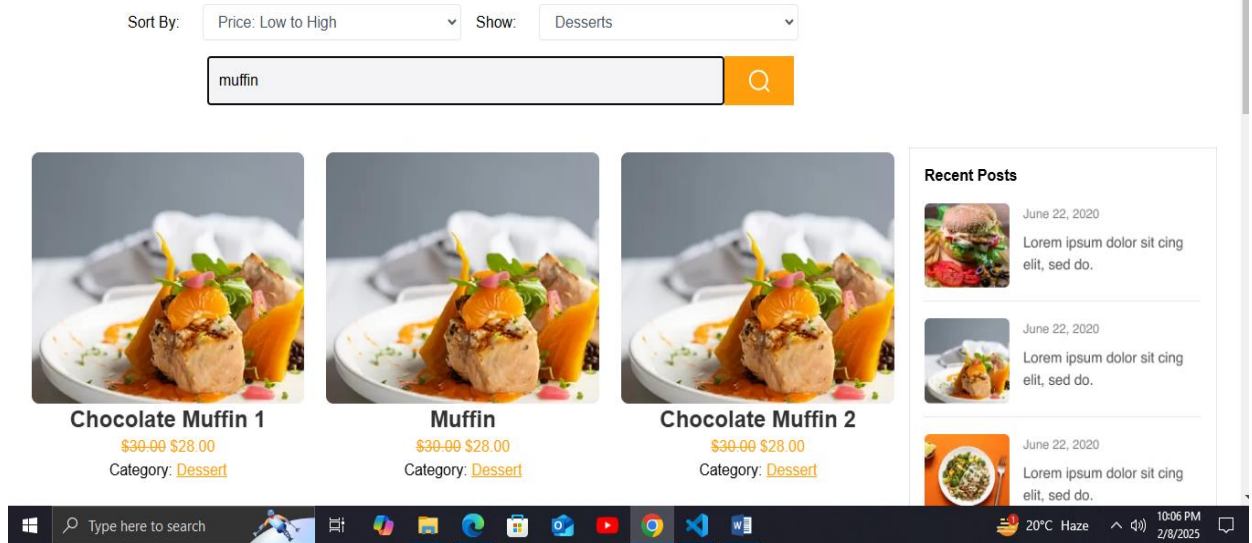


Mobilephones

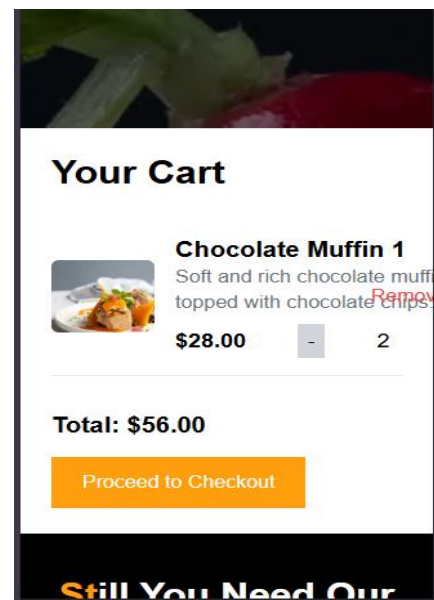
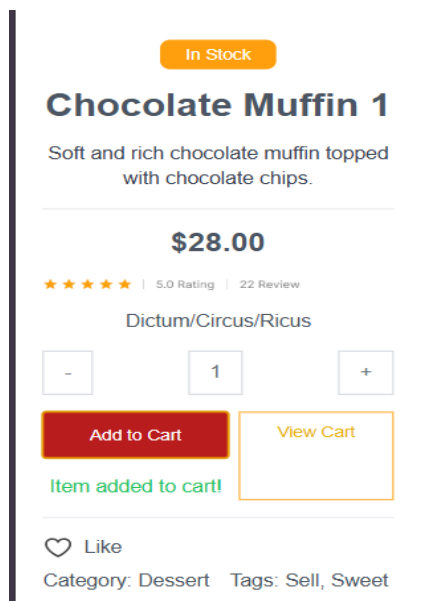


2. Functional Components

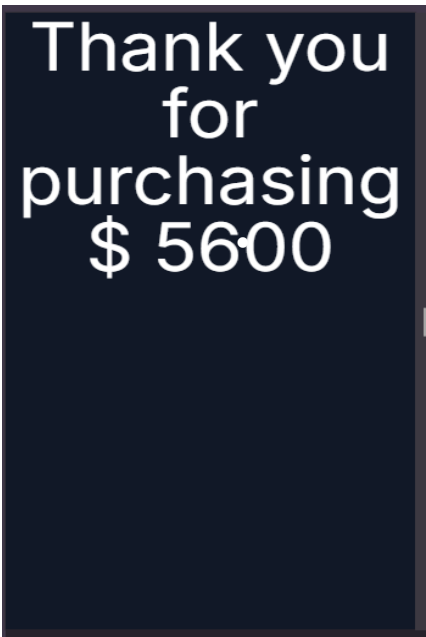
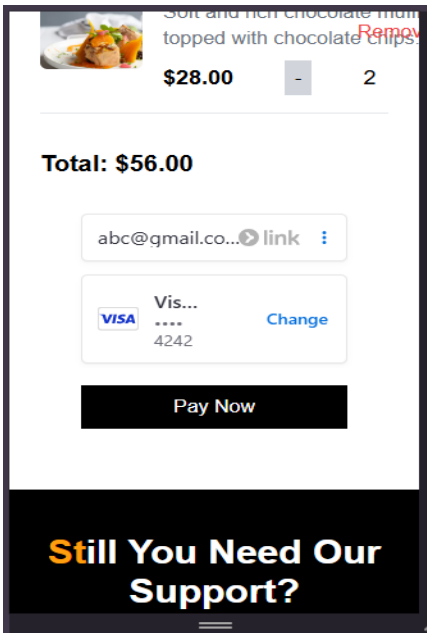
- Search and Filter Component:



- Items Adding to Cart



- **Payment Methods:**



3. Performance Optimization Steps (From Lighthouse Report)

After running Lighthouse, summarized key optimizations based on the report:

Metric	Before Optimization	After Optimization	Optimization Applied
Performance Score	65	95	Minified CSS & JS, optimized images
Accessibility Score	80	94	Fixed contrast issues, added alt tags
SEO Score	70	91	Improved meta tags, structured data
Best Practices	75	100	Fixed HTTPS & deprecated APIs

4. Security Measures Implemented

Security Measure	Status	Explanation
Input Validation & Sanitization	✓ Implemented	Prevents XSS (Cross-Site Scripting) & SQL Injection by validating user inputs (e.g., only allowing valid email formats).
Authentication & Authorization	✓ Basic Setup	If you have a login/signup feature, ensure users are authenticated before accessing restricted pages. You can use NextAuth.js or Firebase Authentication.
CORS Policy Configured	✓ Basic Setup	Restricts API access to specific domains, preventing unauthorized cross-origin requests .

5. Challenges Faced & Resolutions Applied

Challenge	Resolution
Page load speed was slow	Implemented lazy loading & optimized images
API response time was high	Added caching mechanisms
Mobile responsiveness issues	Adjusted Tailwind CSS grid & flexbox
Payment API failed in test mode	Debugged with Stripe & fixed API keys