

AMAZON - CLONE - WEBSITE

MEET THE TEAM :

KHALED HANY – FRONTEND DEVELOPER

MOHAMED IBRAHIM – FRONTEND DEVELOPER

YOUSSEF HATEM – BACKEND INTEGRATION & FIREBASE

FARIS ABDELBAZI – PRODUCT MANAGEMENT & TESTING

AHMED ALAZZBAAWY – API INTEGRATION & REDUX MANAGEMENT

TEAMWORK EXPERIMENT

- Working with the team helped me learn how to communicate better and listen to others' opinions.
- We divided the tasks between us, and everyone had a clear role — we supported each other the whole time.
- We faced many challenges, but teamwork was what helped us overcome them.
- This experience made a big difference for me and made me love the idea of succeeding as a team, not as individuals.
- I also learned how to take responsibility for my part and deliver my work on time.
- I realized how fun and meaningful teamwork can be when everyone gives it their all.

PROJECT IDEA AND TYPE OF E-COMMERCE WE WORKED ON

THE PROJECT IS A SIMPLIFIED VERSION OF THE AMAZON WEBSITE, OFFERING AN ONLINE SHOPPING EXPERIENCE THAT INCLUDES LOGIN, PRODUCT BROWSING, ADDING ITEMS TO THE CART, PLACING ORDERS, AND MAKING PAYMENTS, ETC.

THE TYPE OF E-COMMERCE WE WORKED ON IS B2C (BUSINESS TO CUSTOMER), WHERE THE PLATFORM DIRECTLY SERVES CUSTOMERS TO PURCHASE PRODUCTS ONLINE.

TARGET USERS

WE TARGETED EVERYDAY USERS WHO ENJOY SHOPPING ONLINE WITH EASE AND SPEED, WITHOUT COMPLICATIONS.

OUR FOCUS WAS ON DELIVERING A CLEAN, FAST, AND RESPONSIVE USER INTERFACE ACROSS ALL DEVICES (MOBILE – TABLET – LAPTOP).

THE MAIN AGE GROUP WE AIMED FOR WAS BETWEEN 18 AND 40 YEARS OLD

TECHNOLOGIES USED

- **React** - For building a dynamic and interactive UI.
- **Redux Toolkit** - For centralized and organized state management.
- **Firebase** - For authentication, database storage, and order management.
- **Tailwind CSS** - For fast and modern UI styling.
- **React Router** - For smooth and simple page navigation.
- **Formik + Yup** - For form handling and validation.
- **Axios** - For communicating with APIs (CRUD operations).
- **React Toastify, Spinners & Icons** - For better user experience with notifications, loading indicators, and intuitive icons

PROJECT DEMO

- Main Pages Overview :
- Home Page : Displays products attractively with filtering options by category or brand.
- Login / Register Page: Allows users to create a new account or log into an existing one.
- Product Page : Shows detailed information about the product, including price, reviews, and buttons to add to cart or wishlist.
- Cart Page: Lets users review selected items before checkout, modify quantity, or remove products.
- Checkout Page : A form to enter shipping information and select the payment method.
- Orders Page : Enables users to view their previous orders and their statuses (In Progress – Delivered)

Starter

Made for a simple website or blog

\$3.95/mo

Save 60%

For 36 month term
Renews at \$9.99/mo

Choose Plan

Websites & Hosting

10 Websites

10 GB NVMe Storage

Ideal for 40K visits/mo

AI Site Creation Tools

30-day Money-Back Guarantee

Free Domain 1st Year

Free Site Migration Tool

Free CDN

Managed WordPress Updates

24/7 Chat Support

Security

Free SSL- Let's Encrypt

RECOMMENDED

Business

Ideal for multiple sites needing storage, security, + backups

\$6.45/mo

Save 57%

For 36 month term
Renews at \$14.99/mo

Choose Plan

Websites & Hosting

50 Websites

50 GB NVMe Storage

Ideal for 200K visits/mo

AI Site Creation Tools

30-day Money-Back Guarantee

Free Domain 1st Year

Free Site Migration Tool

Free CDN

Managed WordPress Updates

24/7 Chat Support

Phone Support Included

Security

Free SSL- Let's Encrypt

eCommerce Essentials

Essential commerce tools to sell your content online

\$6.95/mo

Save 61%

For 36 month term
Renews at \$17.99/mo

Choose Plan

Websites & Hosting

100 Websites

100 GB NVMe Storage

Ideal for 400K visits/mo

AI Site Creation Tools

30-day Money-Back Guarantee

Free Domain 1st Year

Free Site Migration Tool

Free CDN

Managed WordPress Updates

24/7 Chat Support

Phone Support Included

Commerce Tools

Secure Payment Processing



Blue & Black Check Shirt

Brand : Fashion Trends

3.64 ★★★★★ 30 ratings

₹ 29.99 (15.35% Off)

No Cost EMI available

Offers

No Cost EMI

EMI interest savings on
Amazon Pay ICICI...

Bank Offers

Upto ₹1,750.00 discount
on select Credit Cards,
HDFC...

Partner Offers

Get GST invoice and save
up to 28% on business
purchases.



Free Delivery



Pay on Delivery



7 days Replacement



Amazon Delivered



Secure transaction

About this item

The Blue & Black Check Shirt is a stylish and comfortable men's shirt featuring a classic check pattern. Made from high-quality fabric, it's suitable for both casual and semi-formal occasions.

₹ 29.99 (15.35% Off)

Delivery within Two Days.

In stock.

Sold by Fashion Trends and Fulfilled by Amazon.

Quantity: 1

Add to Cart

Buy Now

Secure transaction

See Personalised Recommendation

Sign in

New Customer? [Start here.](#)

Price

Under ₹10
₹10 - ₹100
₹100 - ₹500
₹500 - ₹1,000
Over ₹1,000

Avg. Customer Review

4.5 ★ and Up
4 ★ and Up
3 ★ and Up
2 ★ and Up
1 ★ and Up

Category

All
Beauty
Fragrances
Furniture
Groceries
Home-Decoration
Kitchen-Accessories
Laptops
Mens-Shirts
Mens-Shoes
Mens-Watches
Mobile-Accessories

Results

Default Sorting

Total : 5



Annibale Colombo Bed

The Annibale Colombo Bed is a luxurious and elegan...

★★★★★ 4.77

₹ 1899.99 (8.57% Off)

Add to Cart



Annibale Colombo Sofa

The Annibale Colombo Sofa is a sophisticated and c...

★★★★☆ 3.92

₹ 2499.99 (14.4% Off)

Add to Cart



Bedside Table African Cherry

The Bedside Table in African Cherry is a stylish a...

★★★★☆ 2.87

₹ 299.99 (19.09% Off)

Add to Cart



Shopping Cart



Essence Mascara Lash Princess

The Essence Mascara Lash Princess is a popular mascara known for its volumizing and lengthening effects. Achieve dramatic lashes with this long-lasting and cruelty-free formula.

₹ 9.99.00

In stock

Sold By : Essence

Category : Beauty

Qty : - 1 +

[Delete](#)

Eyeshadow Palette with Mirror

The Eyeshadow Palette with Mirror offers a versatile range of eyeshadow shades for creating stunning eye looks. With a built-in mirror, it's convenient for on-the-go makeup application.

₹ 19.99.00

In stock

Sold By : Glamour Beauty

Category : Beauty

Qty : - 1 +

[Delete](#)[Clear Cart](#)

SubTotal (2 items) : ₹ 29.979999999999997.00

✓ Part of your order qualifies for FREE Delivery. Select this option at checkout.

SubTotal (2 items) ₹ 29.979999999999997.00

[Proceed to Buy](#)

EMI Available

Customers who bought other items

[Essence Mascara](#)

₹ 9.99.00

[Eyeshadow Palet](#)

₹ 19.99.00

[Powder Canister](#)

₹ 14.99.00

[Red Lipstick](#)


₹ 12.99.00

[Red Nail Polish](#)

₹ 8.99.00

[Calvin Klein CK](#)

REGISTRATION - PAGE



Create Account


Your Name

Mobile number (optional)

IN +91 ▾

Email

Password

 Password must be atleast 6 characters.

By enrolling your mobile phone number, you consent to receive automated security notifications via text message from Amazon. Message and data rates may apply.

Continue

Already have an account?Sign in ▶

Buying for work?Create a free business account ▶

By Creating or logging in, you agree to Amazon's Conditions of Use and Privacy Policy.


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Help


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 Continue with Facebook

Or

Email or mobile number

Password

Continue

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KEY FEATURES IMPLEMENTED:

SECURE LOGIN USING FIREBASE AUTHENTICATION.

- **COMPREHENSIVE CART & WISHLIST MANAGEMENT WITH REDUX TOOLKIT.**
- **FULLY RESPONSIVE DESIGN THAT WORKS SEAMLESSLY ON MOBILE AND TABLET DEVICES.**
- **REAL ORDER SYSTEM WITH DATA STORED AND MANAGED IN FIREBASE.**
- **INTERACTIVE NOTIFICATIONS USING REACT TOASTIFY.**
- **HIGH PERFORMANCE POWERED BY REACT AND TAILWIND CSS.**

CHALLENGES WE FACED & HOW WE SOLVED THEM:

1. File Organization & Component Overload:

At first, the project became messy due to the large number of files and components.

✔We implemented a clear folder structure and followed a modular development approach to keep things organized.

2. Working with Firebase Authentication for the First Time:

Understanding the login flow and session management was a bit tricky.

✔We carefully read the official Firebase docs and implemented the flow step by step after fully understanding it.

3. Responsive Design Issues on Small Screens:

Some pages didn't display well on mobile or tablet screens.

✔We fixed that using Tailwind's responsive breakpoints and tested the layout on multiple screen sizes.

4. Data Duplication & State Management Problems:

Some data was being duplicated or not updating correctly.

✔We used Redux Toolkit in a clean, organized way by creating separate slices for each data domain.

FUTURE STEPS & PLANNED ENHANCEMENTS

- We already have ideas to take this project to the next level:
- Implement a Ratings & Reviews System to allow users to share feedback and rate products.
- Integrate Real Payment Gateways like Stripe or PayPal instead of the current dummy payment flow.
- Enhance User Experience with advanced filtering options and faster page loading.
- Develop an Admin Dashboard to manage products, orders, and user activity efficiently



💡 KEY TAKEAWAYS & REFLECTIONS

- **Good Planning & Structure at the beginning is essential for building any successful project.**
- **Teamwork Made a Huge Difference — it accelerated our progress and allowed knowledge-sharing across the team.**
- **A Very Practical Learning Experience — we faced real development challenges and learned how to solve them hands-on.**
- **Everyone on the Team Improved noticeably in both technical and collaboration skills — the journey was productive *and* fun!**