



FINAL PROJECT DOCUMENTATION

AMAZON CLONE - FULL STACK WEB

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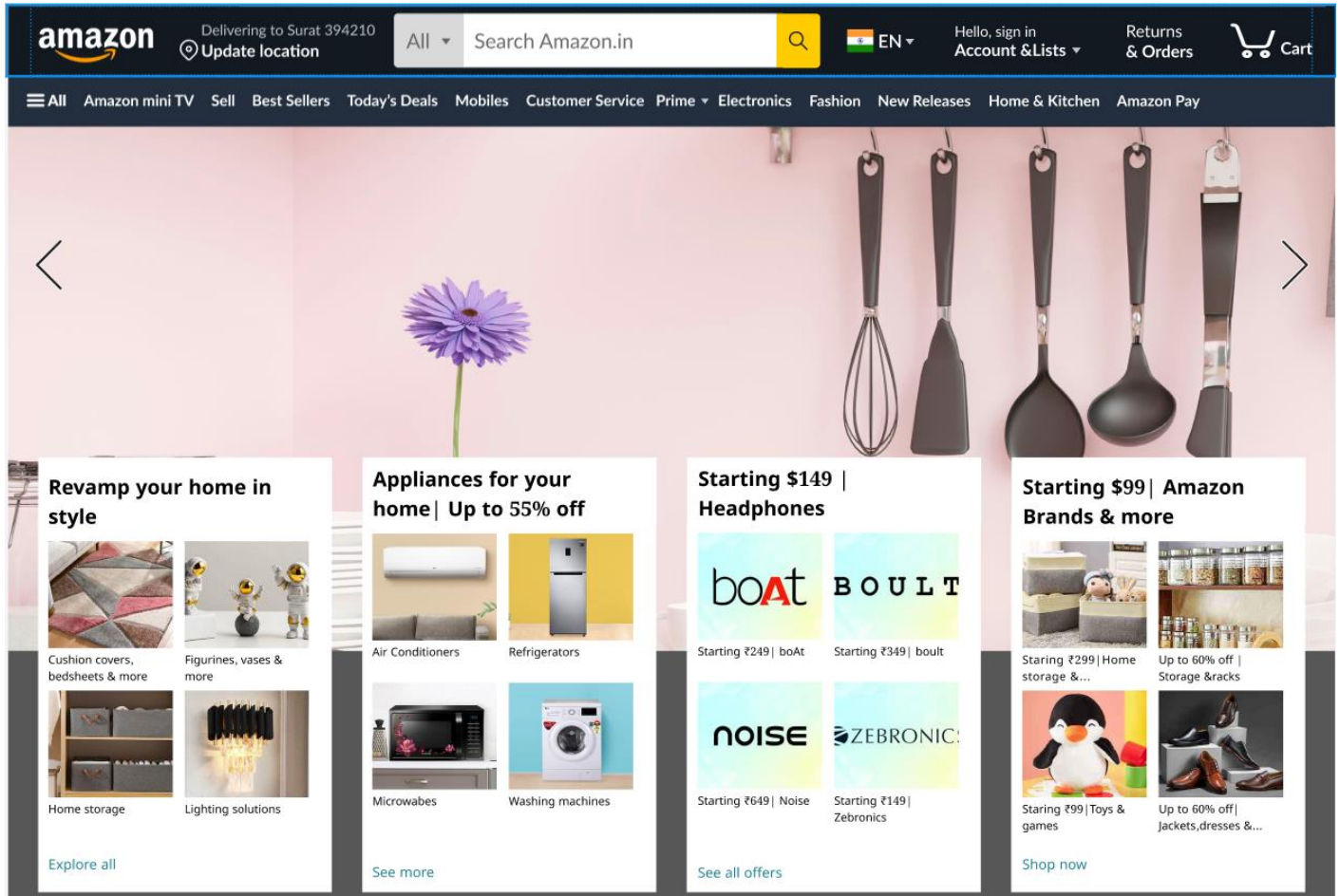
Project Overview

This project is a fully responsive Amazon website clone built with **React.js**, **Tailwind CSS**, and **Redux** for state management. The application mimics core functionalities of Amazon, including:

- User Authentication (Sign-in/Sign-up)
- Product Browsing & Search
- Shopping Cart & Checkout
- Responsive UI (Mobile, Tablet, Desktop)
- API Integration (Firebase)

Developed as a team project, this clone demonstrates modern web development practices, including component-based architecture, global state management, and responsive design.

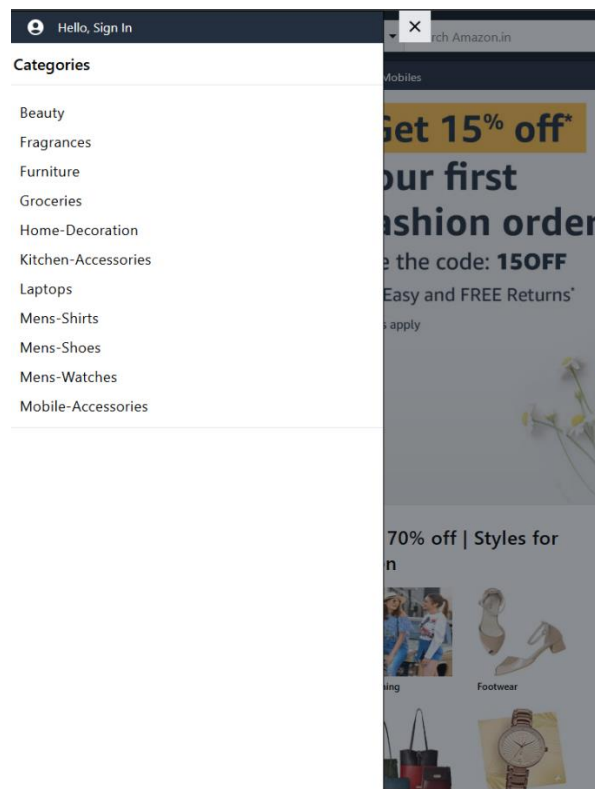
Home Page



Key Features:

- **Header Section:**
 - Search Bar (with category dropdown)
 - Account & Lists (User authentication link)
 - Returns & Orders (Simulated order history)
 - Shopping Cart Icon (Displays item count)
- **Location Selector:** "Delivering to [Location]" (Dynamic based on user preference)
- **Navigation Bar:**
 - "All" Dropdown (Category selection)
 - Quick Links (Today's Deals, Customer Service, Prime, etc.)
- **Hero Banner:** Promotional offers (e.g., "Revamp your home")
- **Product Grids:**
 - Featured categories (Electronics, Home & Kitchen, Fashion, etc.)
 - Discount banners (e.g., "Up to 60% off")
- **Responsive Layout:** Adapts to mobile, tablet, and desktop views.

Category Navigation



Key Features:

- **Left Sidebar Menu:**
 - *Categories List (Beauty, Fragrances, Furniture, etc.)*
 - *User Greeting ("Hello, Sign In") with account link*
- **Promotional Banners:**
 - *"15% off first fashion order" (with promo code 150FF)*
 - *"70% off | Styles for men" (dynamic deals)*
- **Mobile & Footwear Sections:** *Quick-access links for popular categories.*

Shopping Cart

Hello
Select your address

All
Search Amazon.in

EN

Hello, Sign in
Accounts & Lists
Returns & Orders
Cart

All
Amazon miniTV
Sell
Best Seller
Today's Deals
Mobiles

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) : ₹ 29.97999999999997.00

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

SubTotal (2 items) : ₹ 29.97999999999997.00

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

The price and availability of items at Amazon.in are subject to change. The shopping cart is a temporary place to store a list of your items and reflects each item's most recent price. Do you have a promotional code? We'll ask you to enter your claim code when it's time to pay.

Key Features:

- **Cart Items List:**
 - *Essence Mascara Lash Princess (₹9.99)*
 - *Eyeshadow Palette with Mirror (₹19.99)*
 - *Each item shows:*
 - *Price, Stock status, Seller info, Quantity selector*

- **Subtotal Calculation:**
 - Displays total cost (₹29.98)
- **Recommended Products:**
 - "Customers who bought these also bought..." section
 - Dynamic suggestions (e.g., Red Lipstick, Powder Canister)
- **Checkout Flow:**
 - Promo code input field
 - Note about price fluctuations before payment

Product Detail Page

The screenshot displays the Amazon India product detail page for a 'Blue & Black Check Shirt' by Fashion Trends. The page layout includes a top navigation bar with the Amazon logo, a search bar, and links for account and order management. The product image is prominently featured on the left, with a smaller thumbnail strip on the far left. The product title and brand are clearly visible. The price is shown as ₹29.99, marked as a 15.35% discount. Below the price, there are sections for 'Offers' including 'No Cost EMI', 'Bank Offers', and 'Partner Offers'. The page also displays the product's rating (3.64 stars) and the number of ratings (38). At the bottom, there is a 'Sign in' button and a link to 'See Personalised Recommendation'.

Key Features:

- **Product Info:**
 - Title & Brand ("Blue & Black Check Shirt" by Fashion Trends)
 - Ratings & Reviews (38 ratings, star display)
 - Price & Discount (₹29.99, 15.35% off)

- **Purchase Options:**
 - "Add to Cart" (Stores in Redux cart)
 - "Buy Now" (Direct checkout)
- **Offers Section:**
 - No-Cost EMI, Bank Discounts, Business Purchase benefits
- **Product Description:**
 - Details about fabric, style, and usage
- **Seller & Fulfillment Info:**
 - "Sold by Fashion Trends, Fulfilled by Amazon"
 - Delivery estimate ("Delivery within Two Days")

Sign-In Page



Sign in



Continue with Google



Continue with Facebook

Or

Email or mobile number

Password

Continue

By continuing, you agree to Amazon's [Conditions of Use](#) and [Privacy Notice](#).

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Create your Amazon account

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Key Features:

- **Authentication Options:**
 - Email/Mobile Login
 - Social Login (Google, Facebook)
- **Form Validation:**
 - Checks for valid email/phone input
- **New User Prompt:**
 - "New to Amazon? Create your account"
- **Footer:**
 - Legal links (Conditions of Use, Privacy Notice)

Account Creation Page




Create Account

Your Name

Mobile number (optional)

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](#).

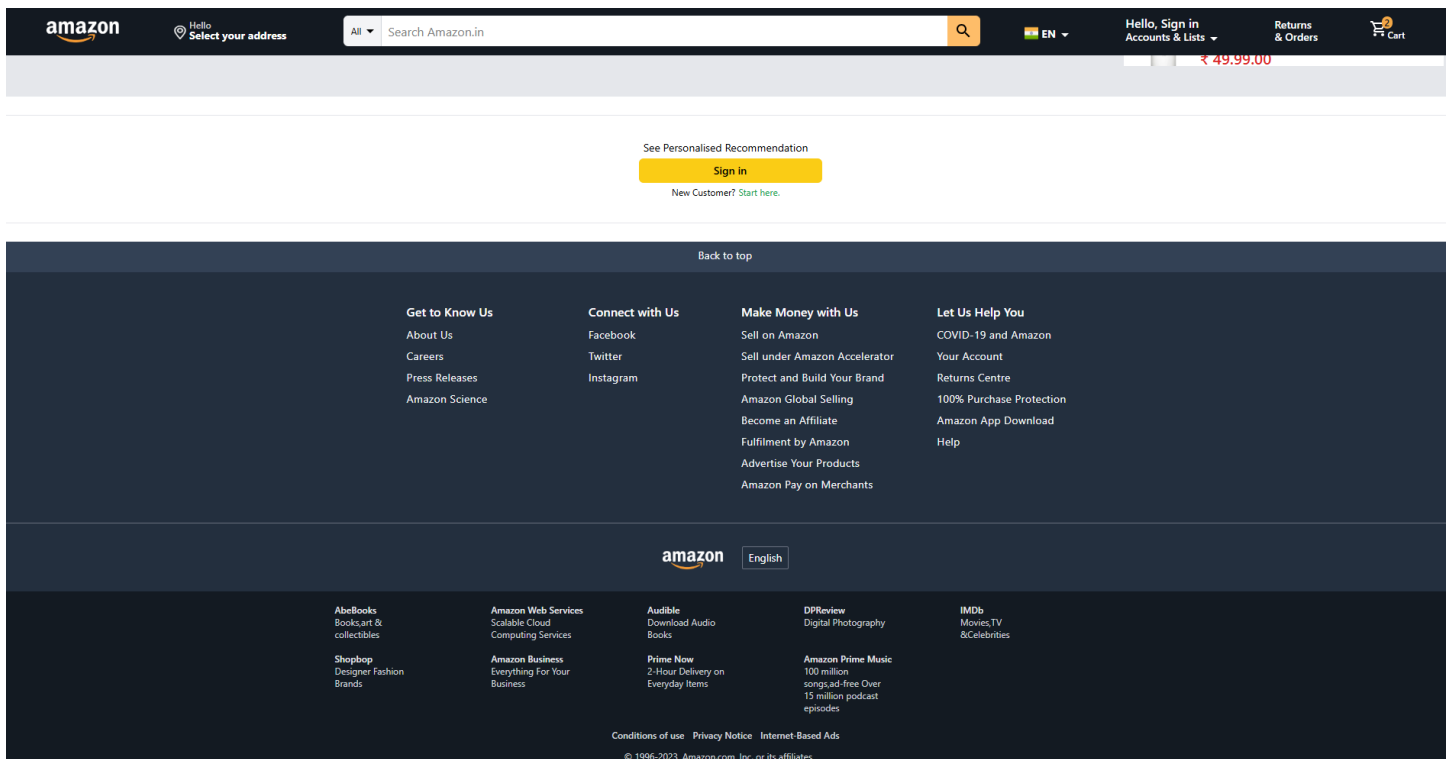
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Key Features:

- **Registration Form:**
 - Name, Mobile (optional), Email, Password
 - Password validation (min. 6 characters)
- **Security Notice:**
 - Consent for SMS notifications
- **Business Account Option:**
 - "Buying for work? Create a business account"
- **Footer:**
 - Links to Terms, Privacy Policy, Help

Footer Section



Key Features:

- **Four-Column Layout:**
 - Get to Know Us (About Us, Careers, Amazon Science)
 - Connect with Us (Facebook, Twitter, Instagram)

- *Make Money with Us (Sell on Amazon, Affiliate Program)*
- *Let Us Help You (COVID-19 Info, Returns, Help)*
- **Amazon Services Links:**
 - *Amazon Pay, AWS, Amazon Business*
- **Language Selector:**
 - *Toggle between English & other languages*
- **Copyright Notice:**
 - *"© 1996-2023, Amazon.com, Inc."*

Technical Implementation Details

Frontend (React.js + Tailwind CSS)

- *Component-Based Architecture (Reusable UI elements)*
- *Responsive Design (Mobile-first approach with Tailwind)*
- *Dynamic Routing (React Router for navigation)*
- *State Management (Redux for cart, user auth, and product data)*

Backend (Firebase API Integration)

- *Product Data Fetching (GET requests for categories, items)*
- *Cart Simulation (Redux stores cart items locally)*
- *User Auth Mock (Session persistence using localStorage)*

Team Collaboration

- *Git Version Control (Feature branches, PR reviews)*
- *Task Distribution (Components assigned per member)*
- *Code Consistency (ESLint, Prettier for formatting)*

Conclusion

This Amazon clone demonstrates a **fully functional e-commerce platform** with:

- ✓ **User Authentication**
- ✓ **Product Browsing & Search**
- ✓ **Cart & Checkout System**
- ✓ **Responsive UI**
- ✓ **API-Driven Data**

Built with **React, Redux, and Tailwind CSS**, it showcases modern web development best practices in a team environment.