

Amazon: A Comprehensive Overview of E-Commerce Operations

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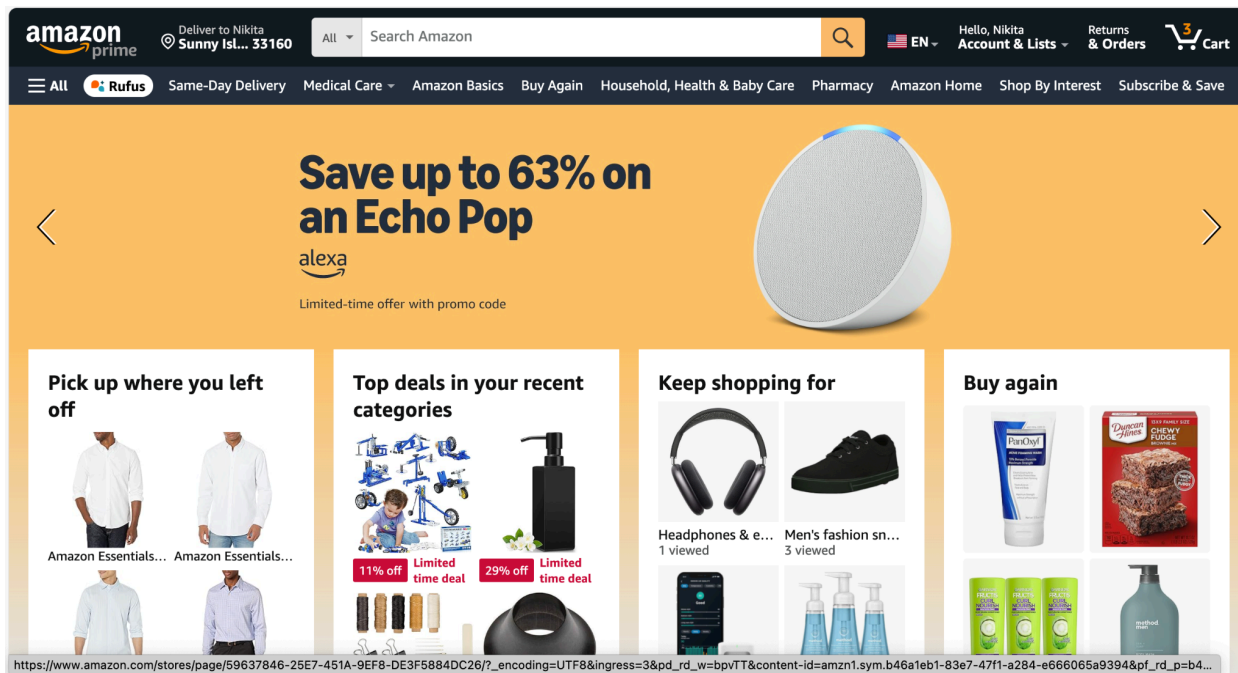
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Report 1 (ER)

Company Overview


Amazon Homepage:



Task Description:

Amazon is a leading global e-commerce platform that enables customers to purchase a diverse range of products such as electronics, apparel, and home goods. The site supports the entire buying journey, including product exploration, payment processing, and delivery arrangements. Typical user scenarios involve browsing available items, reviewing feedback, adding products to a shopping cart, and finalizing purchases through a checkout process.

Web Page Implementation



Roll over image to zoom in

3 VIDEOS

Apple AirPods Max Wireless Over-Ear Headphones, Active Noise Cancelling, Transparency Mode, Personalized Spatial Audio, Dolby Atmos, Bluetooth Headphones for iPhone – Space Gray

[Visit the Apple Store](#)
4.6 ★★★★★ 7,330 ratings | [Search this page](#)

Amazon's Choice

10K+ bought in past month

-18% \$449⁰⁰
List Price: \$549.00

Or **\$32.65** /mo (18 mo). [Select from 1 plan](#)

✓prime Same-Day
FREE Returns







May be available at a lower price from [other sellers](#), potentially without free Prime shipping.

Style: **Lightning**

Lightning
\$449.00
FREE Delivery Today 5 PM - 10 PM

USB-C
See available options

Color: **Space Gray**



Brand	Apple
Color	Space Gray
Ear Placement	Over Ear
Form Factor	Over Ear
Noise Control	Active Noise Cancellation

About this item

- **BREATHTAKING AUDIO QUALITY** — Apple-designed dynamic driver provides high-fidelity audio. Computational audio combines custom acoustic design with the Apple H1 chip and software for breakthrough listening experiences.
- **FOCUS ON WHAT'S PLAYING** — Active Noise Cancellation blocks outside noise so you can immerse yourself in music.
- **HEAR THE WORLD AROUND YOU** — Transparency mode lets you hear and interact with the world around you.
- **PERSONALIZED SPATIAL AUDIO** — With sound that suits your unique ear shape along with dynamic head tracking, AirPods Max deliver an immersive listening experience that places sound all around you. You can also listen to select songs, shows, and movies in Dolby Atmos.
- **ACOUSTIC-FIRST DESIGN** — Designed with a knit-mesh canopy and memory foam ear cushions for an exceptional over-ear fit that perfectly seals in sound.
- **MAGICAL EXPERIENCE** — Pair AirPods Max by simply placing them near your device and tapping Connect on your screen. AirPods Max pause audio when you take them off. And Automatic Switching makes listening between your iPhone, iPad, and Mac completely effortless.
- **LONG BATTERY LIFE** — Up to 20 hours of listening, movie watching, or talk time with Active Noise Cancellation and Personalized Spatial Audio enabled.

[Show more](#)

[Report an issue with this product or seller](#)

Delivery Pickup

Buy new:
\$449⁰⁰

✓prime Same-Day
FREE Returns

FREE delivery **Today 5 PM - 10 PM.**
Order within **7 secs**

📍 Deliver to Nikita - Sunny Isles... 33160

In Stock

Quantity: 1

Add to Cart

Buy Now

Ships from Amazon.com
Sold by Amazon.com
Returns 15-day refund/replacement
Support Product support included
✓ See more

Add a Protection Plan:
☐ AppleCare+ for Headphones for **\$59.00**
☐ Add a gift receipt for easy returns

[Add to List](#)

Other sellers on Amazon

New & Used (17) from **\$392³²**
✓prime

Target Web Page:

For this project, I am working on a simplified version of the **Product Detail Page**, where users can view detailed product information and add items to their shopping cart.

Web Page Explanation:

The Product Detail Page is designed to provide users with useful information about a specific item. Visitors can explore the product's description, view images, check pricing, and read customer reviews. Interested users can select quantities and click the "Add to Cart" button to include the item in their cart for future purchase.

Job Implementation Details:

This project involves creating the Product Detail Page using HTML and CSS. The page will showcase essential product details, including name, price, and features. Users will be able to interact with the page by choosing quantities and adding products to their cart. The backend will handle shopping cart functionality, ensuring items remain stored in a session until the user decides to check out. The focus will be on designing an intuitive user interface that is visually appealing. Key resources include HTML/CSS for front-end design, JavaScript for interactivity, and a backend language (Python) for data management.

Business Rules for E-R Diagram:

- Customers must register with unique email addresses.
- Each customer may have multiple orders, but each order is associated with a single customer.
- A product can be part of several categories, while a category can include multiple products (many-to-many relationship).
- Each order may contain multiple products, and each product can be found in various orders (many-to-many relationship).

E-R Diagram

