

NOTHIN' BUT NET SRS

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General Description

Nothin' But Net is your go-to destination for basketball apparel, featuring a wide selection of sneakers, clothing, and accessories from top brands such as Nike, Adidas, and Reebok. It's the ultimate hub for true basketball fans! Nothin' But Net. At Nothin' But Net, we want to make our customer has great shopping and for that reason, we have included website features such as the homepage, carts, customer profile picture, customized profile picture, a search bar, and filter feature for our customers to enjoy our website. Making sure that the customer has a great shopping experience is very important to us as we take pride in knowing that we made a positive impact on your shopping experience. Here are some features that we included to facilitate your shopping experience and give you options you didn't know you could have.

Functional Requirements

FR0: The website will allow users to look at the product through the website with the option of being a guest user.

FR1: If decided by the user to log in or creates an account, they will be prompted to a log in/sign up page.

FR2: The website will allow users to customize their profile picture with something that represents them.

FR3: The website will allow the user to filter their preferences such as sizes, colors, apparel, shoes, balls, apparel, etc.

FR4: The website will allow users to search for the product that they are looking for.

FR5: The website will allow users to save their preferred items in the carts.

The website will allow the user to give feedback about the products.

FR7: The website will allow users to ask any questions that they have about the products and get an answer from us in less than a day.

FR8: Before an account can be created successfully, the admin will need to verify the creator's account.

Non-Functional Requirements

(Description: How the product works behind the scenes, what the customer doesn't see)

- **Performance:** The homepage will load in under 3 seconds, even during high traffic times.
- **Security:** User data, including login details and payment information, will be securely protected.
- **Usability:** The search feature will return relevant results within 2 seconds of a query.
- **Reliability:** The system will consistently enforce strong password policies, requiring at least 8 characters with a mix of letters, numbers, and special characters.
- **Scalability:** The system will handle increasing numbers of users without compromising performance.

1. Create/ modify customer profile – Marcel Kongozo

- **Initial Assumption:** Customers can easily manage their profiles. The user has access to our website and is a registered member
- **Description:** Customers can create a new profile, update their profile, or delete their profile.
- **What Can Go Wrong:**
 - Invalid or incomplete contact information. To fix it, users must fill out the account information accordingly.
 - Accidental profile deletion. To fix it, we can add two-step authentications if you want to cancel an account.
- **Other Activities:** Verifying email addresses and changing passwords.
- **System State on Completion:** The customer's profile is successfully created, updated, or deleted, reflecting the latest information.

2. Browse and Purchase Products

- **Initial Assumption:** Customers can easily find and buy all the products that we offer. (e.g., shoes, training gear, clothing, and more).
- **Description:** Customers can browse product categories, view details, and make purchases at any time.
- **What Can Go Wrong:**
 - Items out of stock or unavailable. To fix it, we must watch out stock levels and order new batches of stock when running low.
 - Payment processing errors. To fix it, we will implement real-time validation for payment details before processing to catch any issues immediately, such as incorrect card numbers or expiration dates.
 - Issues with order confirmation and shipping address. To fix this, we will always have an email confirmation that can be sent again to the email aligned with the order.
- **Other Activities:** Filtering products, adding items to the cart, applying discount codes.
- **System State on Completion:** The purchase is completed, and the customer receives an order confirmation.

3. View Product Reviews

- **Initial Assumption:** Customers can read reviews to inform their purchasing decisions.
- **Description:** Customers can access reviews for various products on the site.
- **What Can Go Wrong:**

- Reviews not loading or displaying incorrectly. To fix this, we could use error handling to catch any issues related to reviews.
- Inappropriate comments in reviews. We encourage our customers to speak their minds about how they feel, but we require a level of decency. To fix this, we will have certain words removed to ensure that no unacceptable language is there.
- Delays in review updates. We don't want our site to look outdated. To fix this, we must maintain the most up-to-date reviews on our products so upcoming customers get the best experience when shopping with us.
- **Other Activities:** Sorting reviews by rating, comparing products based on feedback
- **System State on Completion:** Customers can see accurate and relevant reviews that will help them choose the products that they want to purchase.

4. Leave a Review

- **Initial Assumption:** Customers can share their product experiences easily.
- **Description:** Customers can write and submit reviews for products they've purchased.
- **What Can Go Wrong:**
 - Submission errors (e.g., network issues).
 - Review not displaying after submission. To fix this, we will review comment submissions before they are posted to the site.
 - Violation of review guidelines leading to the review not being accepted. To fix this, the reviews will be checked for language before posting to the site.
- **Other Activities:** Editing submitted reviews and checking responses from the store.
- **System State on Completion:** The review is successfully submitted and displayed, contributing to the product's overall feedback.

1. Create/Modify/Withdraw Provider Profile – Seim Habte

- **Initial Assumption:** Providers can easily manage their profiles.
- **Description:** Providers can create a profile, update details, or delete their profile from the platform.
- **What Can Go Wrong:**
 - Invalid or incomplete information.
 - Profile deletion resulting in loss of visibility for products. To fix this, two-step authentication will be required before the user deletes their account to make sure it is intentional.
 - System errors during updates.
- **Other Activities:** Verifying contact information and updating payment details.
- **System State on Completion:** The provider's profile is successfully created, updated, or deleted, reflecting the latest information.

2. Creates services

- **Initial Assumption:** Providers can easily add and manage their apparel and equipment listings.
- **Description:** Providers can add new products, update existing listings, or remove products from the site.
- **What Can Go Wrong:**
 - Duplicate product entries. To fix this, we will implement validation checks during product uploads to ensure that new entries do not match existing ones based on key attributes such as product name
 - Incorrect product details (e.g., pricing, descriptions). To fix this, we will establish a review process for product submissions that includes verification of all key information before it goes live on the website.
 - Technical errors preventing product updates. To fix this, we will ensure that robust error handling and testing protocols are in place, allowing for seamless updates and providing clear feedback to users when an error occurs.
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- **Other Activities:** Reviewing inventory, adjusting pricing, and managing stock levels.
- **System State on Completion:** The product listings are updated, reflecting accurate information available to customers.

3. View Sales Statistics

- **Initial Assumption:** Providers have access to data on their sales performance.
- **Description:** Providers can view analytics regarding their product sales and customer engagement.
- **What Can Go Wrong:**
 - Inaccurate or incomplete sales data: We will implement automated data validation procedures to ensure accuracy and completeness in sales reporting.

- System errors preventing data retrieval: We will enhance system architecture and conduct regular maintenance to minimize downtime and ensure reliable data access.
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- **Other Activities:** Analyzing trends and adjusting marketing strategies based on insights.
- **System State on Completion:** Providers have access to accurate sales statistics, aiding in business decisions.

4. Respond to Customer Reviews

- **Initial Assumption:** Providers can engage with customer feedback.
- **Description:** Providers can read customer reviews and respond to them.
- **What Can Go Wrong:**
 - **Technical issues preventing access to reviews:** We will regularly monitor system performance and perform updates to ensure seamless access to user reviews.
 - **Inappropriate responses that could damage reputation:** We will implement moderation guidelines and training for providers to promote professional and constructive engagement with customer feedback.
 - **Delays in the visibility of new reviews:** We will optimize the review submission process to ensure that new feedback is published and visible to users within minutes of submission.
- **Other Activities:** Monitoring new reviews and assessing feedback for product improvement.
- **System State on Completion:** The provider's response is recorded and displayed alongside the review, enhancing customer relations.

5. Manage Promotions and Discounts

- **Initial Assumption:** Providers can create promotions to attract customers.
- **Description:** Providers can set up and manage discounts or promotional offers on their products.
- **What Can Go Wrong:**
 - **Promotions not applying correctly at checkout:** We will conduct thorough testing of the checkout process to ensure that all promotions are applied accurately before finalizing purchases.
 - **System errors preventing the creation of discounts:** We will implement robust error handling and validation checks to minimize system issues during the discount creation process.
 - **Confusion over promotion terms leading to customer complaints:** We will clearly communicate promotion terms on the product pages and during the checkout process to ensure customers fully understand the offers.
- **Other Activities:** Analyzing promotional effectiveness, and adjusting offers based on sales data.

System State on Completion: Promotions are successfully created and active, visible to customers

Manage user access

Initial Assumption:

The sysadmin has the necessary permissions to manage user accounts and access levels.

What Can Go Wrong:

- Incorrectly banning a user could lead to customer dissatisfaction or legal issues: We will establish a clear review process for bans to ensure that all actions are justified and documented to avoid misunderstandings.
- Mismanagement of access might allow unauthorized users to gain access: We will implement strict access control measures and regular audits to ensure that user permissions are managed accurately and securely.

Other Activities:

- Reviewing user activity logs.
- Communicating with affected users regarding their access status.

System State on Completion:

- User access lists are updated, reflecting any bans or changes on different accounts.
- Notifications sent to users affected by access changes.

2. Moderate Services

Initial Assumption:

The sysadmin can accurately assess and decide on which services meet community standards.

What Can Go Wrong:

- **Subjective judgment could lead to inconsistent moderation: We will create a clear set of guidelines for moderation to ensure that all decisions are consistent and fair across the platform.**
- **Removing legitimate services may frustrate users: We will establish a transparent appeals process for service removals, allowing users to contest decisions and ensuring that only inappropriate content is taken down.**

Other Activities:

- Reporting inappropriate services to higher authorities.
- Collaborating with content creators to improve listings.

System State on Completion:

- Updated service listings with inappropriate ones removed.
- A log of moderated services for future reference.

3. Moderate Reviews

Initial Assumption:

The sysadmin has access to all reviews and can decide which one is acceptable, and which one isn't.

What Can Go Wrong:

- Deleting reviews without justification may lead to accusations of bias: We will implement a clear review policy that outlines the criteria for deletion, ensuring that all actions are justified and transparent.
- Misinterpretation of reviews can result in wrongful deletions: We will provide training for moderators to accurately interpret reviews and establish a review process to minimize errors in judgment.

Other Activities:

- Engaging with users to clarify review policies.
- Conduct periodic inspections of reviews to see who has violated community standards.

System State on Completion:

- Review database reflects approved content, with unacceptable reviews removed.
- A history of moderation actions maintained for transparency.

4. View Usage Statistics

Initial Assumption:

The sysadmin can access and interpret usage data effectively.

What Can Go Wrong:

- Data inaccuracies can lead to misguided conclusions about system performance. We will cross check the data to ensure the metrics are correct before publishing anything.

Other Activities:

- Analyzing trends in user behavior to inform policy changes.
- Sharing insights with stakeholders to improve the system.

System State on Completion:

- Updated statistical reports generated and saved.

- Insights documented for future decision-making.

Scenarios with screenshots (Marcel Kongozo: User)

Log In Page

NOTHIN' BUT NET

HOME MEN'S WOMEN'S RETRO KID'S HELP

Welcome back to Nothin' But Net! Sign in to access your personalized recommendations, exclusive offers, and much more.

Login
Username:
Yamine1
Password:

Login

Customer Profile page after logging in

Hello, Yamine!

Account Overview

Email: Yamine1@gmail.com

Phone Number: 919-537-7854

Username: Yamine1

Password: \$2a\$10\$epwX7pd7xuZ6vVobjGDkuWKf4uDfHgA9piRI1yvgY48U9FR9IFaa

Address: New Old Street

Gender: male

Username: Yamine1

City: Los Angeles

Zipcode: 34567-78678

State: California

Payment type: 7857-4758-7564-9507

Edit Profile

Access

Help

Log Out

Help Center Page

Nothin' But Net - Help Center

Home

My Account

Contact Us

Basketballs

Find the perfect basketball for your game. Whatever size you are looking for, we got you covered.

Basketball Shoes

Shop the latest sneakers from top brands like Nike, Adidas, and Under Armour for the best grip and support.

Apparel

Browse our collection of jerseys, shorts, and accessories to help you look and play your best.

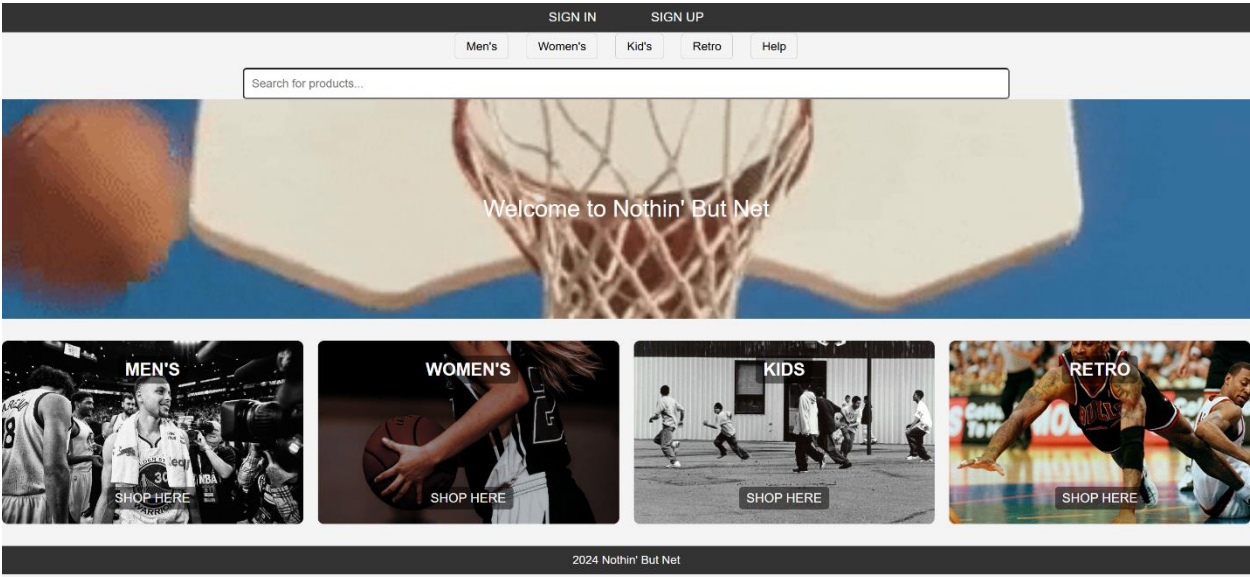
Shipping & Returns

Need help with shipping or returns? Find all the info you need about our policies and processes.

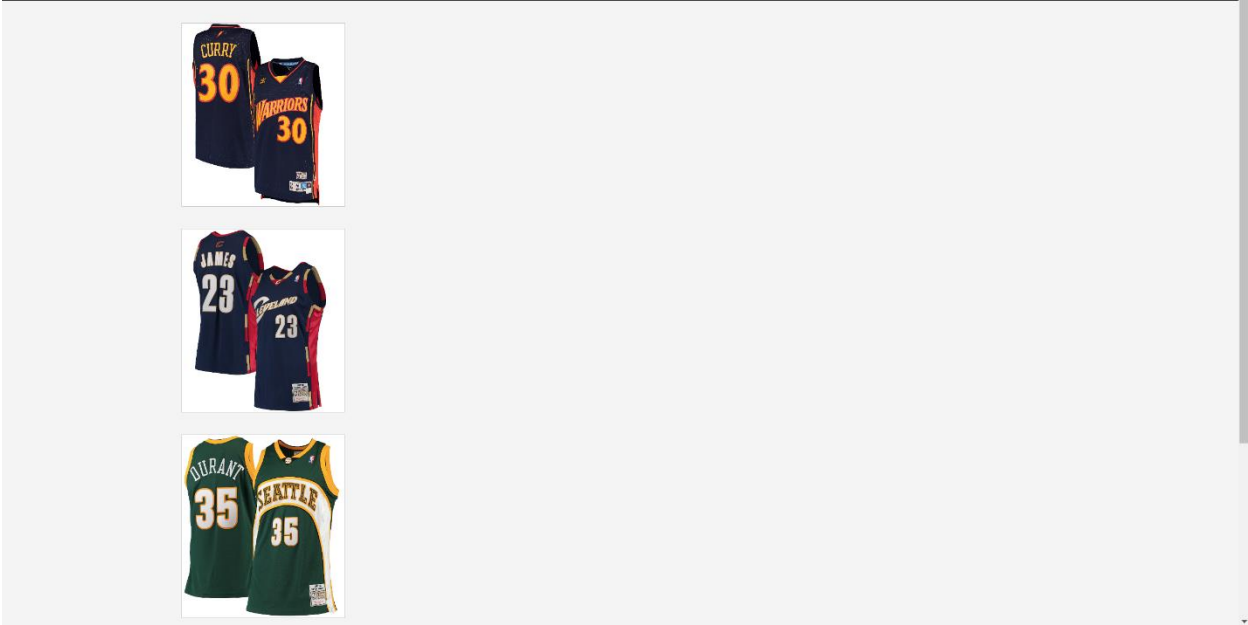
Frequently Asked Questions

- How do I see my previous order?
- Can I exchange my basketball shoes for a different size?
- Do you offer free shipping?
- What payment methods do you accept?

Home Page




Product Category Men



Product Details Display

[HOME](#) [SIGN IN](#) [SIGN UP](#)



Stephen Curry Golden State Warriors Jersey

Men's Adidas NBA Comfortable Hardwood Classics Jersey

Color: Royal Blue with yellow/gold accents

Category: Mens

Quantity: 20

Price: \$65.0

Select Sizes:

Shipping Instructions: All orders will be shipped within 3-5 business days. Shipping delays may occur during holidays.

[Buy Now](#)

2024 Nothin' But Net

Order Confirmation Page

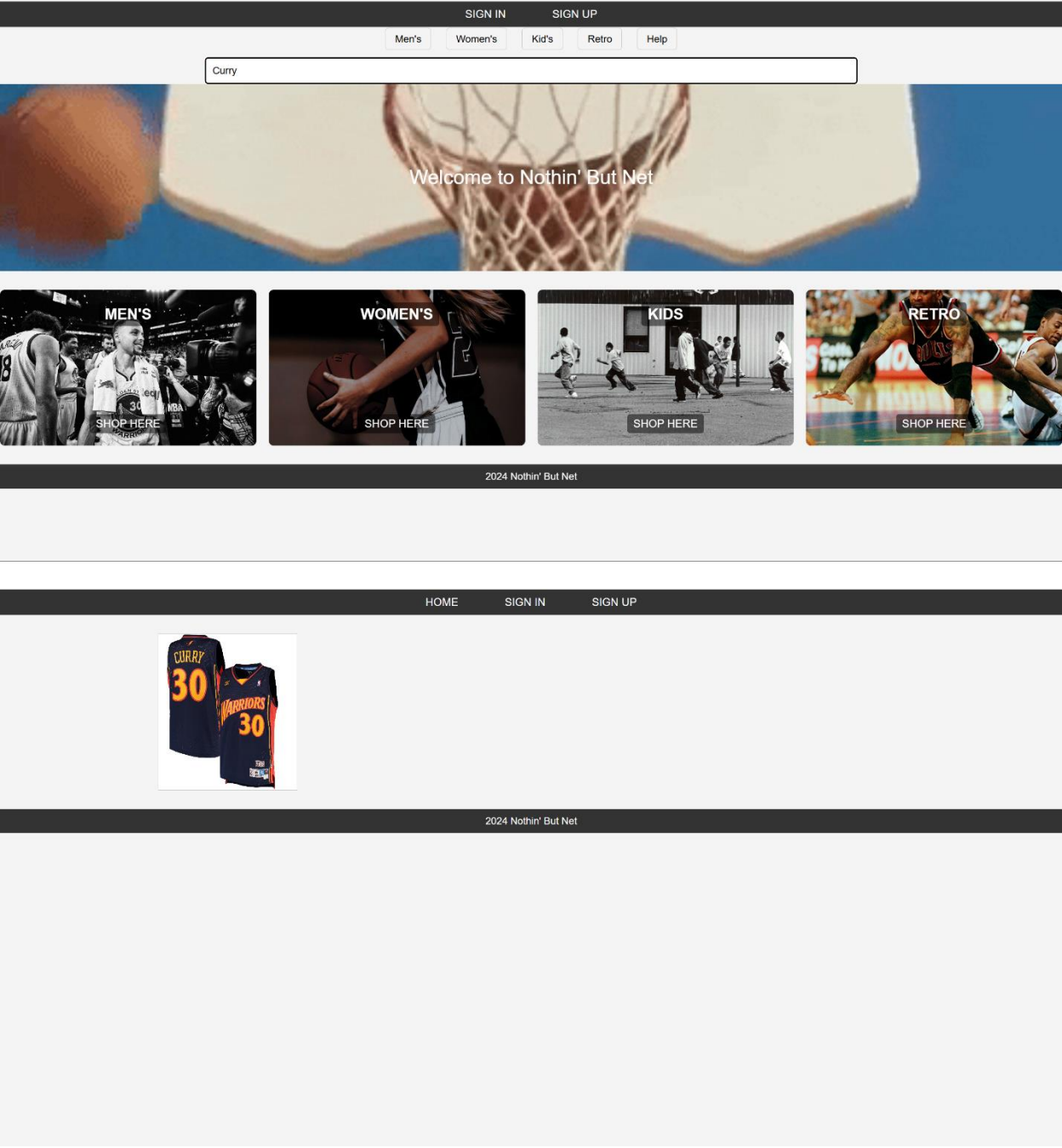
Order is Being Processed

Your order is currently being processed. An email will be sent to you regarding the status of your order.

Thank you for shopping with us

[Back](#)

Using the search by productname



Product List

Create New Product

Name	Provider ID	Stock	Price	Actions		
Kobe 8 Basketball shoes	1	20	45.0	View	Edit	Delete
Michael Jordan chicago Bulls Jersey (Men)	1	20	59.99	View	Edit	Delete
Shaquille O'Neal Jersey 1995 (Mens)	1	20	59.99	View	Edit	Delete
Seattle Storm Exploded edition(Women)	1	20	55.0	View	Edit	Delete
Victor wembanyama san Antonio spurs Jersey (kids)	1	20	45.0	View	Edit	Delete

Sales List

Create New Sale

ID	Product ID	Quantity	Total	Date	Actions		
3	1	1	45.0	12/25/2024	<button>View</button>	<button>Edit</button>	<button>Delete</button>
4	4	1	55.0	12/25/2024	<button>View</button>	<button>Edit</button>	<button>Delete</button>
5	1	1	59.99	12/25/2024	<button>View</button>	<button>Edit</button>	<button>Delete</button>
6	1	1	100.0	12/25/2024	<button>View</button>	<button>Edit</button>	<button>Delete</button>

PRODUCTS

PROVIDERS

SALES

Sales Statistics

Total Revenue: \$259.99

Total Number of Sales: 4

Average Sale Value: \$64.9975

Sales Per Product

Product ID	Number of Sales
1	3
4	1

Back to Sales List

PRODUCTS

PROVIDERS

SALES

Provider List

Create New Provider

ID	Name	Email	Actions
1	sam	sam@gmail.com	<div><div>View</div><div>Edit</div><div>Delete</div></div>

Login Page

Username:

Password:

Login

Link to our Design Document

[Design Document \(Nothin'But Net\).docx](#)