

# TevoKicks Final Project Report



## 1. Executive Summary

TevoKicks is a sneaker e-commerce website designed and built as a final project to demonstrate full-stack web development skills using HTML, CSS, PHP, and MySQL. The site features dynamic product pages, user authentication, a shopping cart system, and payment integration. It includes product filtering by gender and size, a structured database, and

customer feedback through a rating system. The project aimed to create a functional, visually appealing, and secure online shopping experience tailored to sneaker enthusiasts.

## 2. Background and Motivation

My love for sneakers and the need for user-friendly platforms that cater to various age groups and demographics inspired me to create TevoKicks. This project was chosen to enhance my practical web development experience, simulate real-world application functionality, and explore payment system integrations. It also reflects my personal interest in fashion and e-commerce trends.

## 3. Problem Statement and Objectives

The primary objective was to create a web-based sneaker store that supports product listing, customer reviews, shopping cart functionality, and secure checkout. Specific goals included:

- Implementing a user registration and login system.
- Creating separate pages for the Men, Women, and Kids categories.
- Allowing users to select sneaker sizes and view availability.
- Supporting ratings and reviews for sneakers.
- Integrating PayPal for live transaction processing.
- Developing a structured and normalized database schema.

## 4. Project Design and Implementation

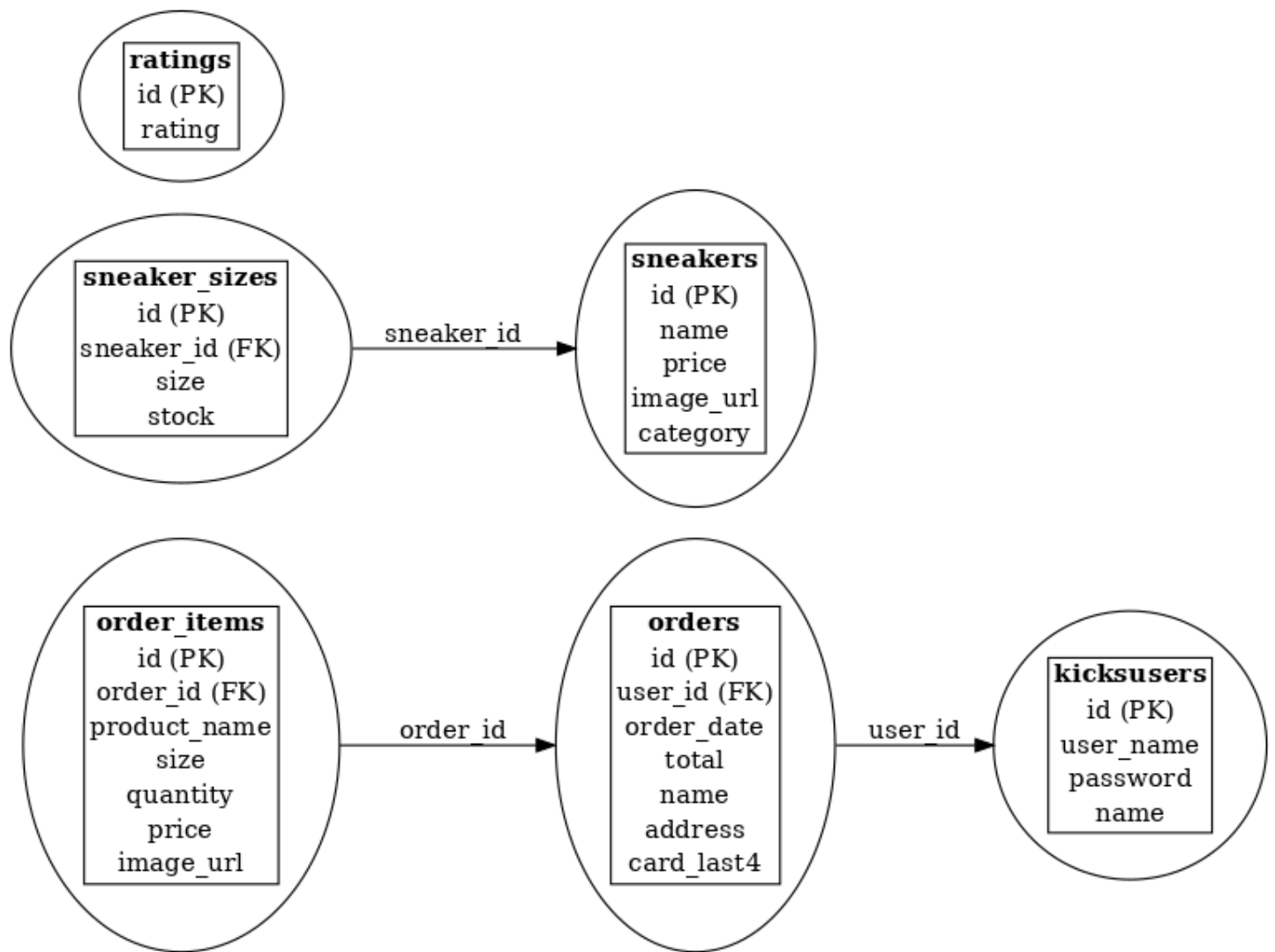
### Technologies Used:

- **Frontend:** HTML, CSS (with Bootstrap for layout)
- **Backend:** PHP using procedural MySQLi
- **Database:** MySQL via phpMyAdmin
- **Other:** PayPal Sandbox (for testing payments)

### Major Components:

- **User System:** kicks users table storing login credentials
- **Order Management:** orders and order\_items tables tracking user purchases
- **Product Catalog:** sneakers and sneaker\_sizes tables storing sneaker info and inventory
- **Feedback Mechanism:** ratings table for user-submitted reviews

## Database Schema:



## UI Snapshots:

## Login/Register Page:

## LOGIN

User Name

Password

Continue as guest

Login

Register

## User Registration

Username:

Password:

Name:

Register

**Sneaker Listing (Men, Women, Kids):**

[HOME](#)[MEN](#)[WOMEN](#)[KIDS](#)[HOT TOPICS](#)[UPCOMING DROPS](#)[FAQ](#)[Cart](#)[Login](#)

## Men Sneakers



**Nike Air DT Max 96**  
**"Love Letter to Connie"**

\$170.00

Select Size: -- Select Size --

Quantity: 1

Add to Cart

Tester Sneakers  
**Tester Sneakers**

\$0.00

Select Size: -- Select Size --

Quantity: 1

Add to Cart

## Women Sneakers



**Air Jordan 1 Low**  
**OG "Rust Pink"**

\$140.00

Select Size: -- Select Size --

Quantity: 1


Add to Cart

Grammarly Kids Sneakers - TevoKicks

Not secure informatics.mercer.edu/~tevinb/TevoKicks/kids\_sneakers.php

HOME MEN WOMEN KIDS HOT TOPICS UPCOMING DROPS FAQ Cart Login

## Kids Sneakers



**Jewell Loyd x Nike Air Zoom G.T. Cut 3 Paint**  
\$120.00  
Select Size:  
-- Select Size --  
Quantity:  
  
[Add to Cart](#)


50°F Partly sunny 6:12 PM 5/2/2025

## Hot Topics:

Grammarly TevoKicks


Not secure informatics.mercer.edu/~tevinb/TevoKicks/hottopics.php

HOME MEN WOMEN KIDS HOT TOPICS UPCOMING DROPS FAQ Cart (2) Login




### The 25 Best New Jordans Of 2025


Sneakernews.com drops their list of the 25 best new jordans of 2025



**Confirmed**  
**Adidas Crazy 2 Is Back**  
Kobes most hated shoe is making a comeback...



**Rumor**  
**The END x Salomon XT-6 Emerald**  
Tackling Salomon's ever-popular XT-6 silhouette, the model comes in an Emerald iteration, honoring the traditional and modern gift given to celebrate 20th Anniversaries.



**Drop Alert**  
**The Rui Hachimura x Air Jordan 1 Retro Low OG**  
The Rui Hachimura x Air Jordan 1 Retro Low OG will release in Spring 2025 through Nike and possibly via select retailers online and in-store.

## Upcoming Drops:

[HOME](#)[MEN](#)[WOMEN](#)[KIDS](#)[HOT TOPICS](#)[UPCOMING DROPS](#)[FAQ](#)[Cart \(2\)](#)[Login](#)

## Upcoming Sneaker Drops



**Air Jordan 4 WMNS "Aluminum"**  
[Drop Date: May 3, 2025](#)



**Nike LeBron 21 "Prime 93 Fire Red"**  
[Drop Date: May 5, 2025](#)



**Nike A'One "Pink A'ura"**  
[Drop Date: May 6, 2025](#)



**Nike Air Diamond Turf Max '96 "Love Letter to Connie"**  
[Drop Date: May 7, 2025](#)



**A Ma Manière x Air Jordan 5 "White/Violet Ore"**  
[Drop Date: May 14, 2025](#)



**Nike KD 18 "Air Bakin"**  
[Drop Date: May 15, 2025](#)



**Air Jordan 12 "Melo"**  
[Drop Date: May 17, 2025](#)



**Air Jordan 1 High OG WMNS "Ruby"**  
[Drop Date: May 22, 2025](#)



**Air Jordan 4 "White Cement"**  
[Drop Date: May 24, 2025](#)



**Nike A'One "Black/Hyper Pink"**  
[Drop Date: May 29, 2025](#)



**Nike Kobe 5 Protro "Indiana Fever"**  
[Drop Date: June 1, 2025](#)



**Air Jordan 11 Low "Igloo"**  
[Drop Date: June 7, 2025](#)



**Air Jordan 1 Low OG "Rust Pink"**  
[Drop Date: June 21, 2025](#)



**UNDEFEATED x Air Jordan 4**  
[Drop Date: June 28, 2025](#)

## Shopping Cart:



### Your Shopping Cart

**Air Jordan 1 Low OG "Rust Pink"**

Size: 7.5 — \$140.00 × 1

**Total: \$140.00**

[Remove](#)

**Cart Total: \$140.00**

[Continue Shopping](#)[Proceed to Checkout](#)

## Checkout:

## Checkout

Product	Size	Price	Quantity	Total
Air Jordan 1 Low OG "Rust Pink"	7.5	\$140.00	1	\$140.00

**Total: \$140.00**  
**Shipping & Payment Info**

Full Name:

Shipping Address:

Card Number:

Expiration Date (MM/YY):

MM/YY

CVV:

Place Order

[← Back to Cart](#)



## 5. Testing / Evaluation / Validation

Extensive manual testing was performed to ensure that each feature functioned correctly:

- Verified user login and registration with session persistence
- Confirmed product filtering and size availability across all pages
- Simulated cart operations and validated order insertions
- Ensured ratings were stored and retrieved correctly from the database

Issues like empty cart sessions and NULL values in order fields were encountered and resolved through proper input validation and session handling.

## 6. Discussions

### Challenges Encountered:

- Debugging NULL values in order insertion
- Handling session management between cart and checkout
- Linking ratings properly to sneaker entries

### Solutions:

- Refined form handling and POST variable checks
- Ensured `session_start()` and `isset()` were used correctly
- Normalized tables and connected sneaker IDs properly

### Lessons Learned:

- Importance of ERD planning before coding
- How to debug PHP session-related issues
- Best practices in structuring e-commerce logic

### Suggestions for Future Work:

- Add admin backend for product uploads.
- Support user profile editing and order history
- Include advanced filters (brand, price range)

## 7. References

- W3Schools (PHP, HTML, CSS)
- PayPal Developer Documentation
- Stack Overflow
- ChatGPT for debugging and guidance