Sneaker World

Topic: E-commerce Website Using PHP

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Abstract

The goal of this project is to implement an e-commerce website that allows stores to move online. It uses a dynamically generated web page based on PHP and MySQL to enable the purchase of items. Implement a shopping cart system so that customers can save their products. We also plan to implement an authentication system to distinguish normal customers from customers logged in using a MySQL database. The user is managed using a PHP session and can make changes to the shopping cart. These changes are saved as session variables so users can go back and restore them to previous sessions.

E-commerce means any transaction over the Internet. In online marketing, a shopping cart is a piece of e-commerce software on a web server that allows your website visitors to select the items they will ultimately purchase. Like "shopping cart" in American English.
This software allows online shopping customers to create a list of items to buy. This list is metaphorically called "add items to cart" or "add to cart". At checkout, the Software generally calculates the entire order, including shipping and handling charges (ie, shipping and packaging) and applicable taxes, if applicable

Features of the Project:

- *User Registration*
- *User login system*
- *Change password*
- *Forgot password*
- *Profile management*

system.

- *Shopping cart*
- *Wishlist*
- *Order History*

Software Required

- *XAMPP Server*

Sneaker World E-commerce Website

INTRODUCTION

E-commerce is rapidly establishing itself as a recognized and used business paradigm. More and more business houses are implementing websites providing functions for conducting business transactions over the web. It is fair to say that the process of shopping on the web is becoming commonplace.

The goal of this project is to build a universal e-shop where products can be purchased from the comfort of home via the Internet. However, for implementation purposes, this project will deal with online Sneakers shopping.

An e-commerce website is a virtual store on the Internet where customers can browse a catalog and select products that interest them. Selected items can be picked up in the shopping cart. At checkout, the items in your shopping cart will appear as an order. When checking out, more information will be required to complete the transaction. The customer will be prompted to fill in or select a billing or shipping address.

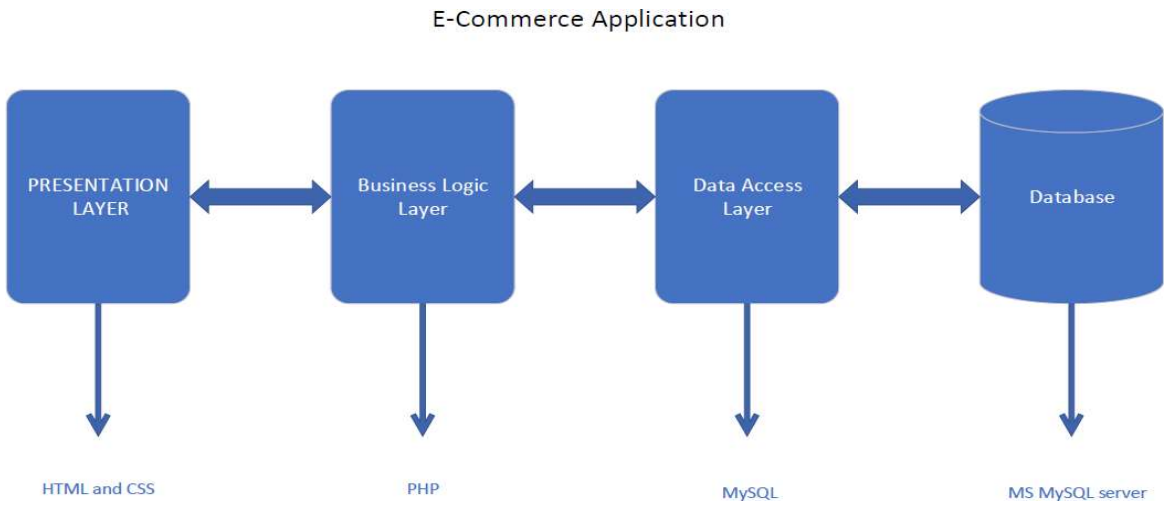
Architecture

Layered architecture pattern, also known as n-tier architecture pattern. This pattern is the de facto standard for most applications and is therefore widely known to most architects, designers and developers. The layered architecture pattern closely matches the traditional IT communication and organizational structures of most companies, making it a natural choice for most business application development efforts.

This pattern can be used to structure programs that can be decomposed into groups of subtasks, each at a particular level of abstraction. Each layer provides services to the next higher layer.

The architecture comprises of the following three layers:

- **Presentation layer** (also known as **UI layer**)
- **Business logic layer** (also known as **domain layer**)
- **Data access layer** (also known as **persistence layer**)



Functional Requirements:

•*Registration:*

If customer wants to buy the product then he/she must be registered, unregistered user can't go to the shopping cart.

•*Login:*

Customer logins to the system by entering valid user id and password for the shopping.

•*Changes to Cart:*

Changes to cart means the customer after login or registration can make order or cancel order of the product from the shopping cart.

•*Payment:*

For customer there are many types of secure billing will be prepaid as debit or credit card, post-paid as after shipping, check or bank draft. The security will provide by the third party like Pay-Pal etc.

•*Logout:*

After the payment or surf the product the customer will logged out.

•*Report Generation:*

After all transaction the system can generate the portable document file (.pdf) and then sent one copy to the customer's Email-address and another one for the system data base to calculate the monthly transaction.

•*Review:*

Storing feedback given by the customer.

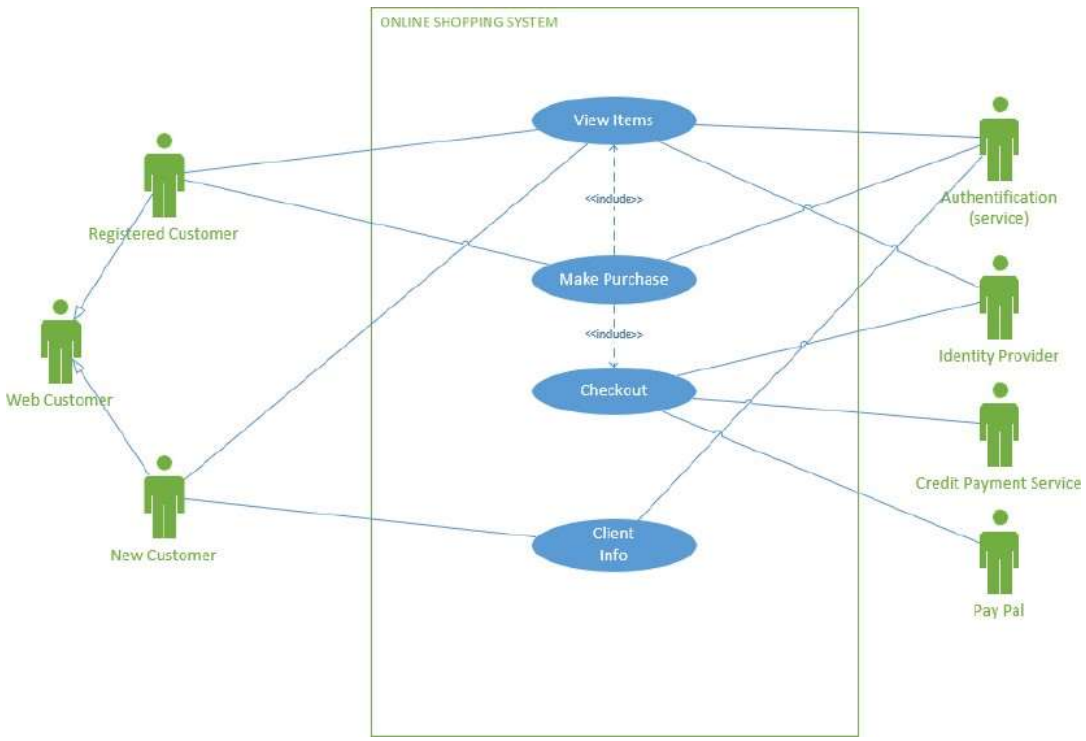
•*Orders:*

This module keeps the record of products ordered and details about the product is delivered or not.

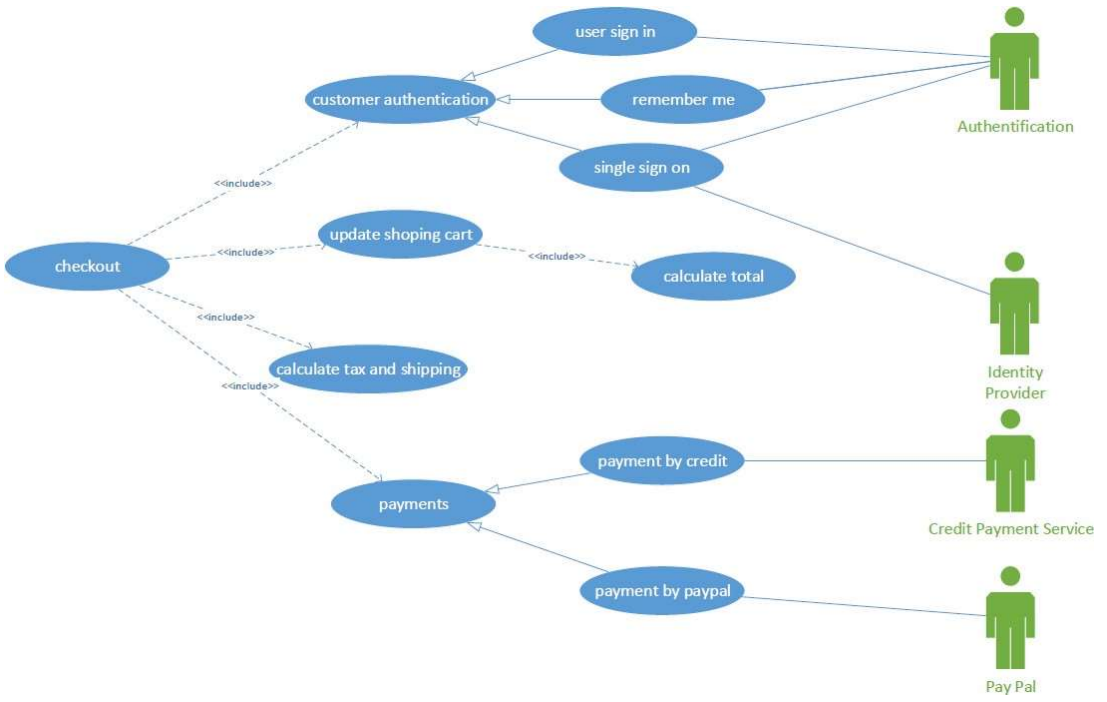
Non-functional requirements:

- Secure access of confidential data (customer details)
- 24 x 7 availability
- Better component design to get better performance at peak time.
- Flexible service-based architecture will be highly desirable for future extension.
- Various other non-functional requirements include:
    1. Reliability
    2. Security
    3. Maintainability
    4. Portability
    5. Reusability
    6. Compatibility
    7. Resource Utilization

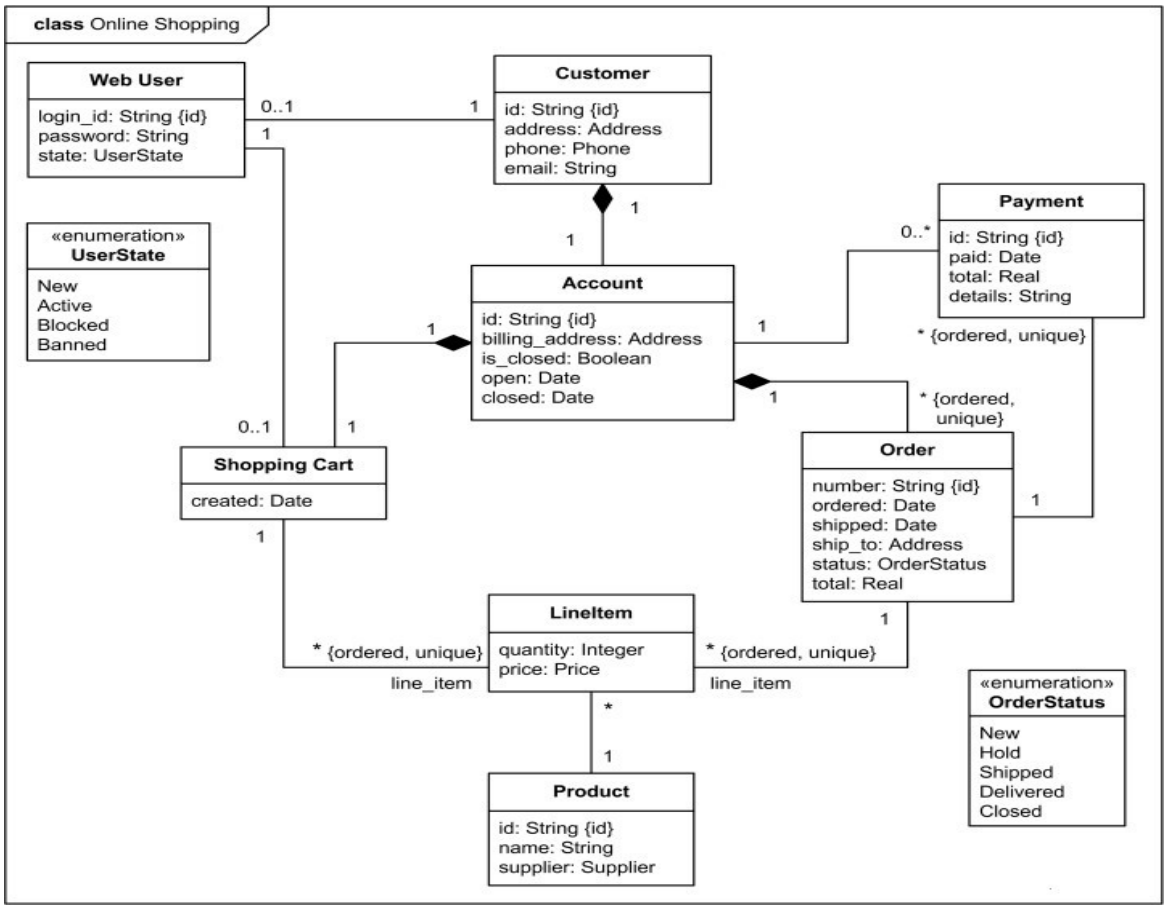
Use Case diagram:



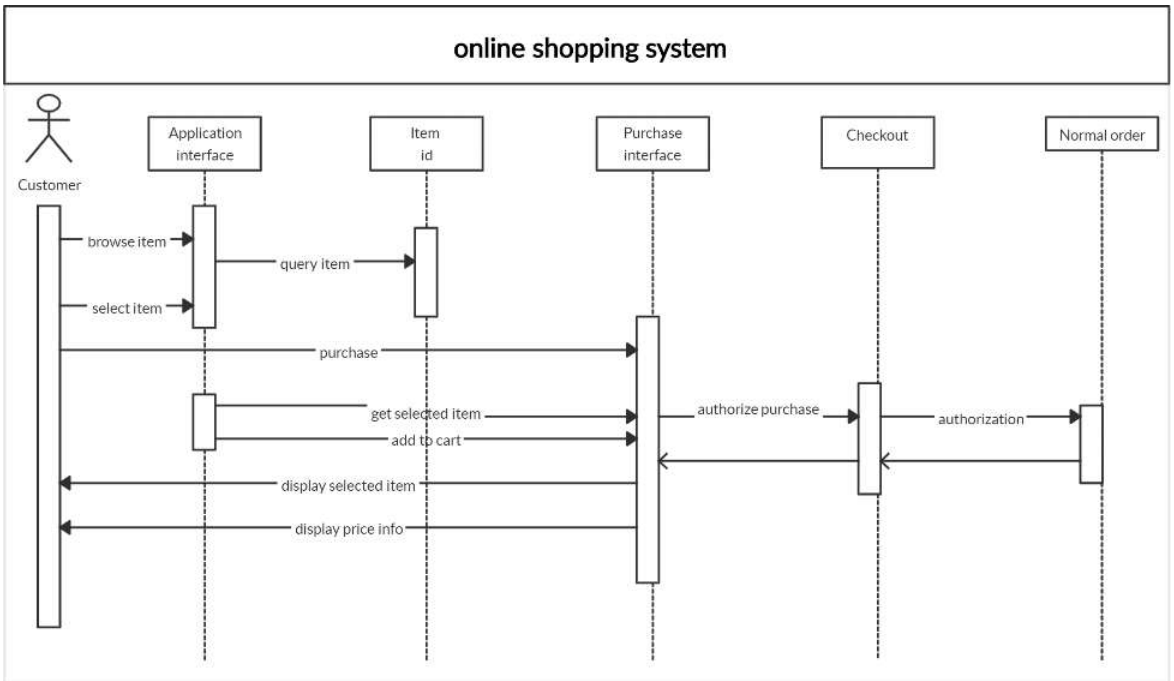
search items
view items
view recommended items
view item
customer authentification
add to shopping cart
add to wish list
<<extend>>
<<include>>


user sign in
customer authentication
remember me
single sign on
Authentification
checkout
update shoping cart
calculate total
calculate tax and shipping
Identity Provider
payment by credit
payments
Credit Payment Service
payment by paypal
Pay Pal
<<include>>

Class Diagram:



Sequence Diagram:



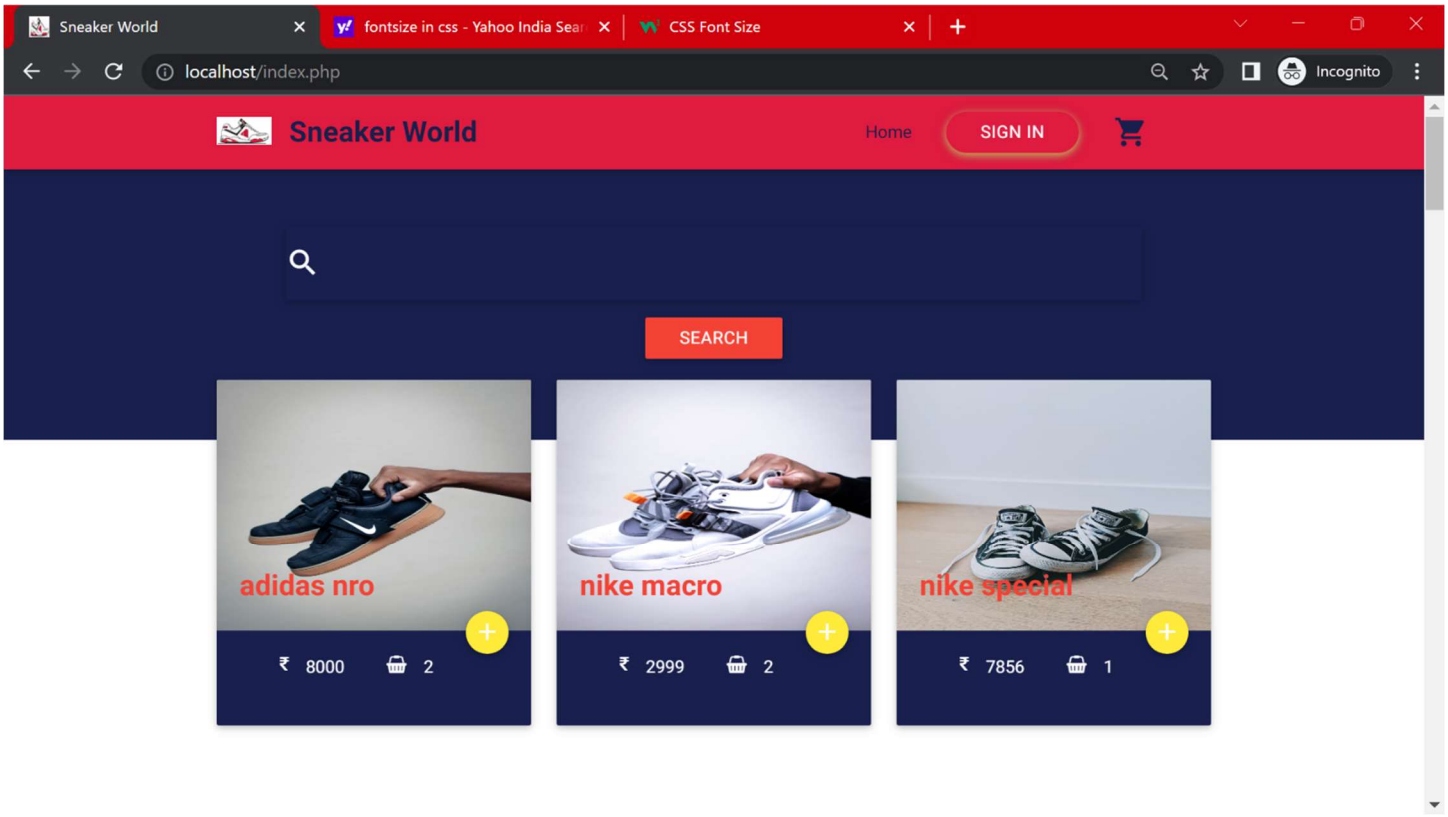
Features of Admin:

- Functionality to add and delete products
- Display product statistics and stock.
- Query, display and delete all users that signed up on the website.
- Admin can edit his/her own profile's email address and password.
- Logout of the current session.

Features of User:

- Signing up for a user account
- Change e-mail id and password
- Add items to a cart/basket prior to purchasing
- Purchasing items and delivering them to a specific address

Landing page

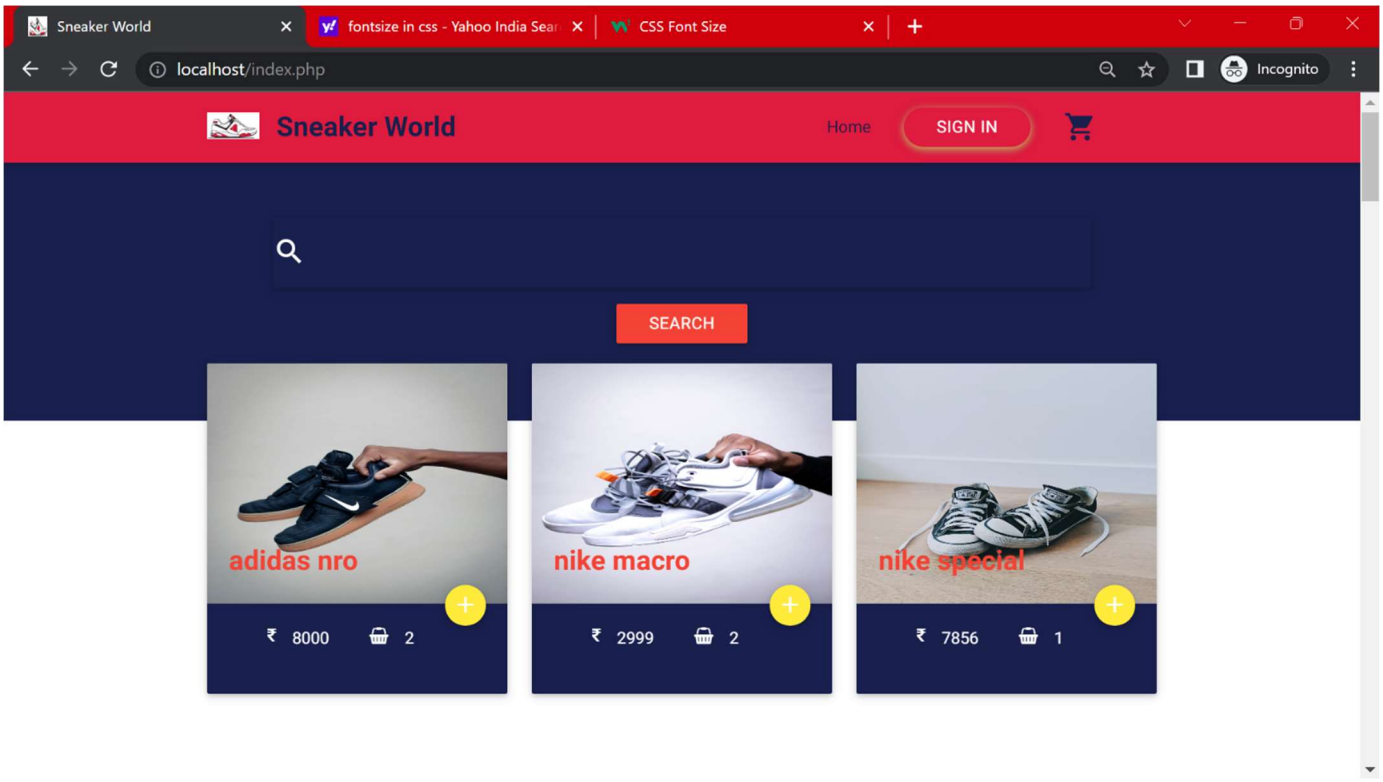


The landing page consist of the following sections:

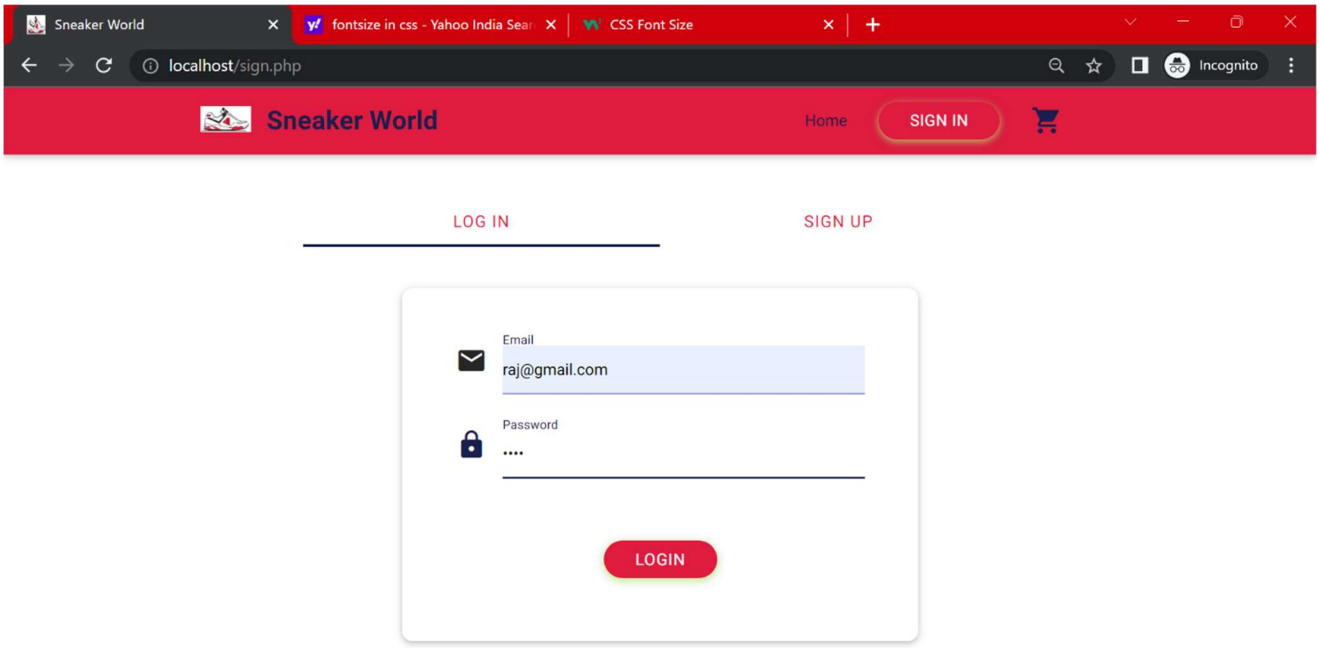
- Navigation Bar
- Header
- Categories
- About
- Contact us

Screenshots

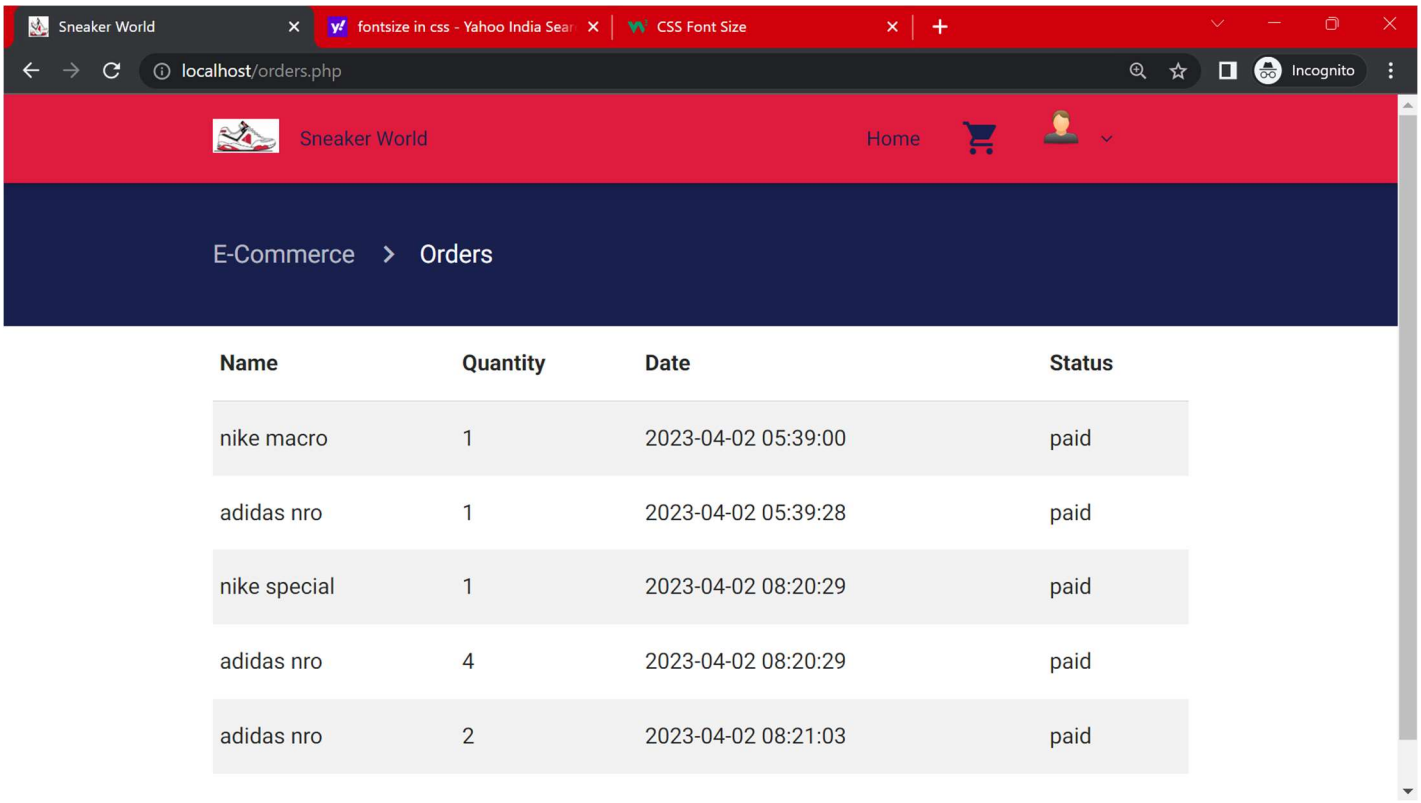
1) Home Page



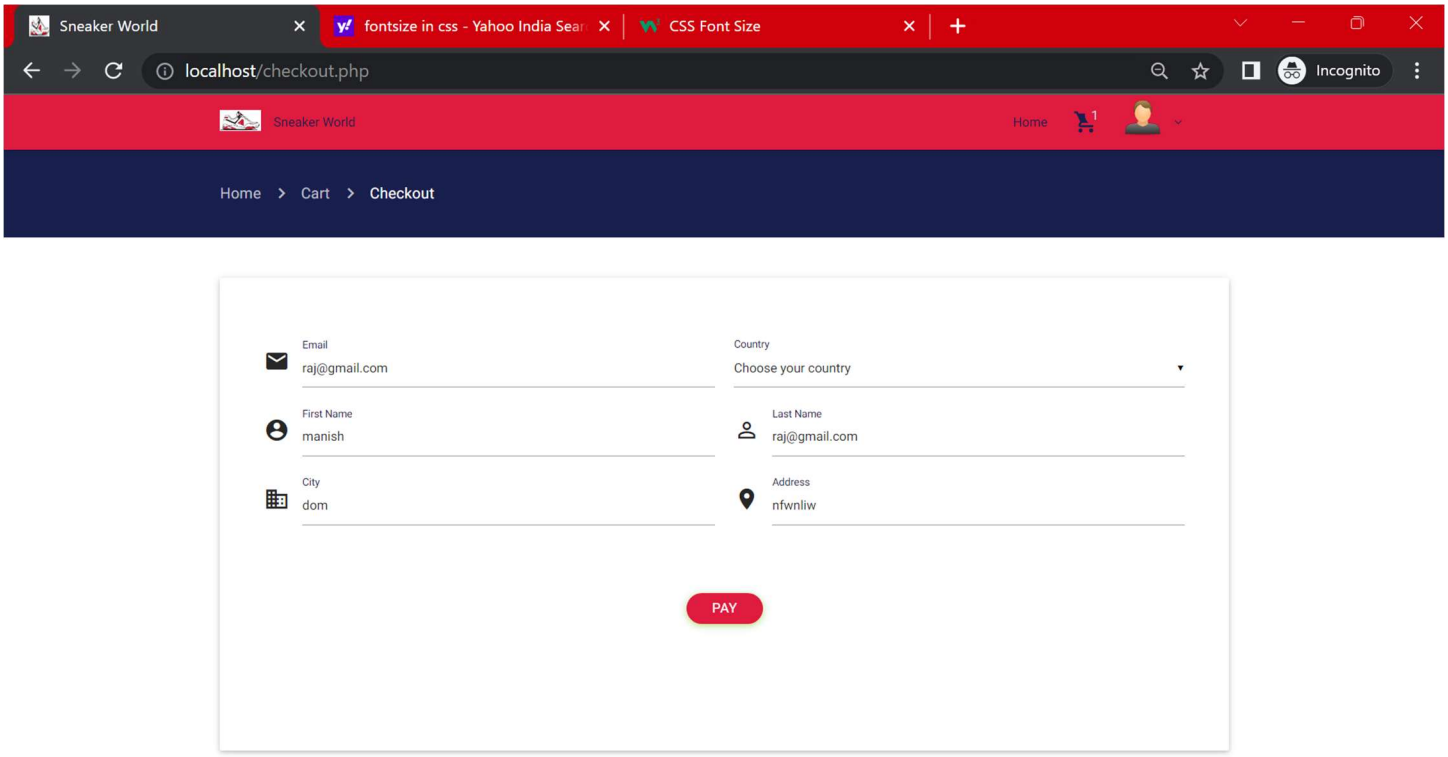
2) Sign IN Page



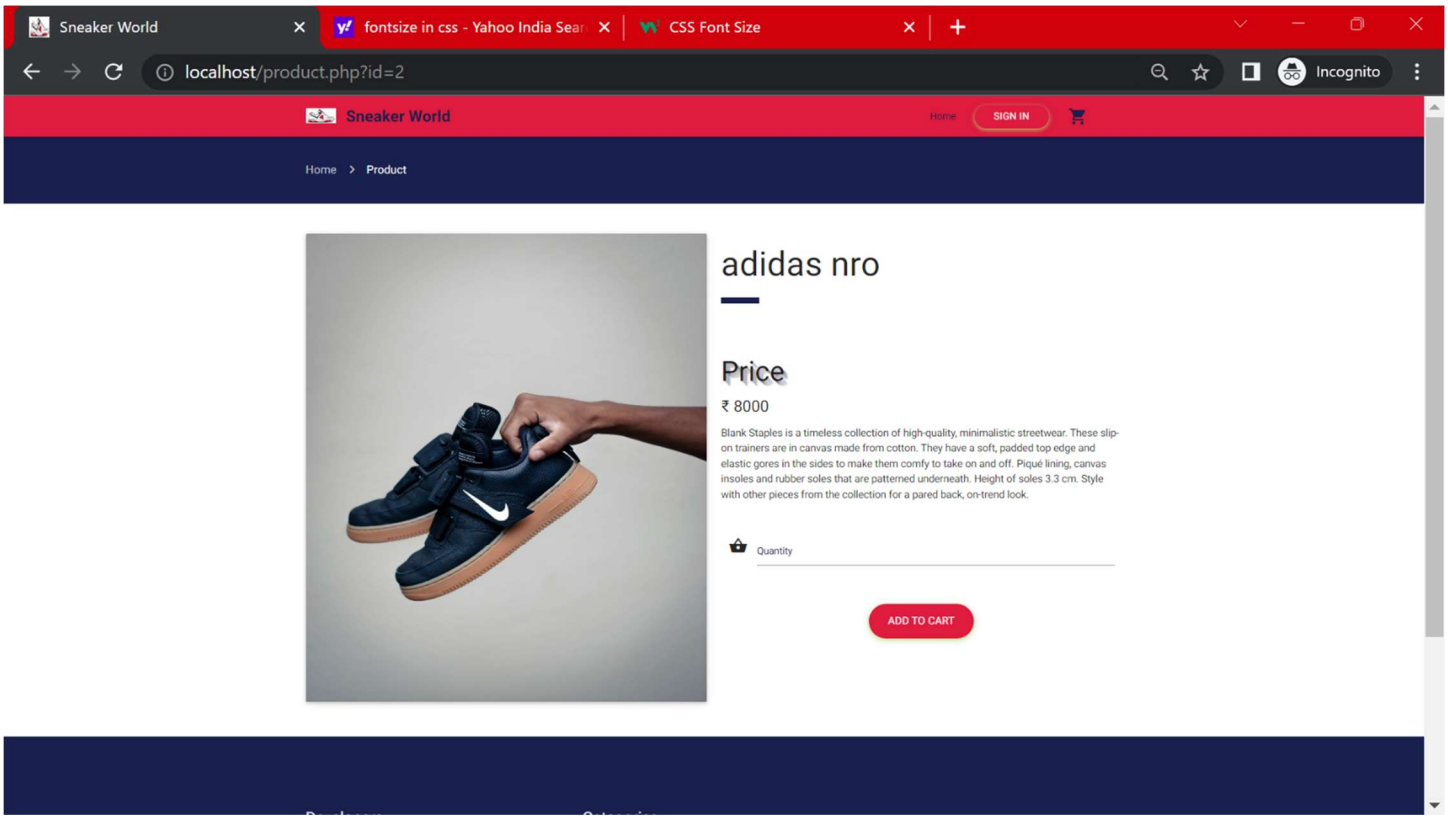
3) Orders Page



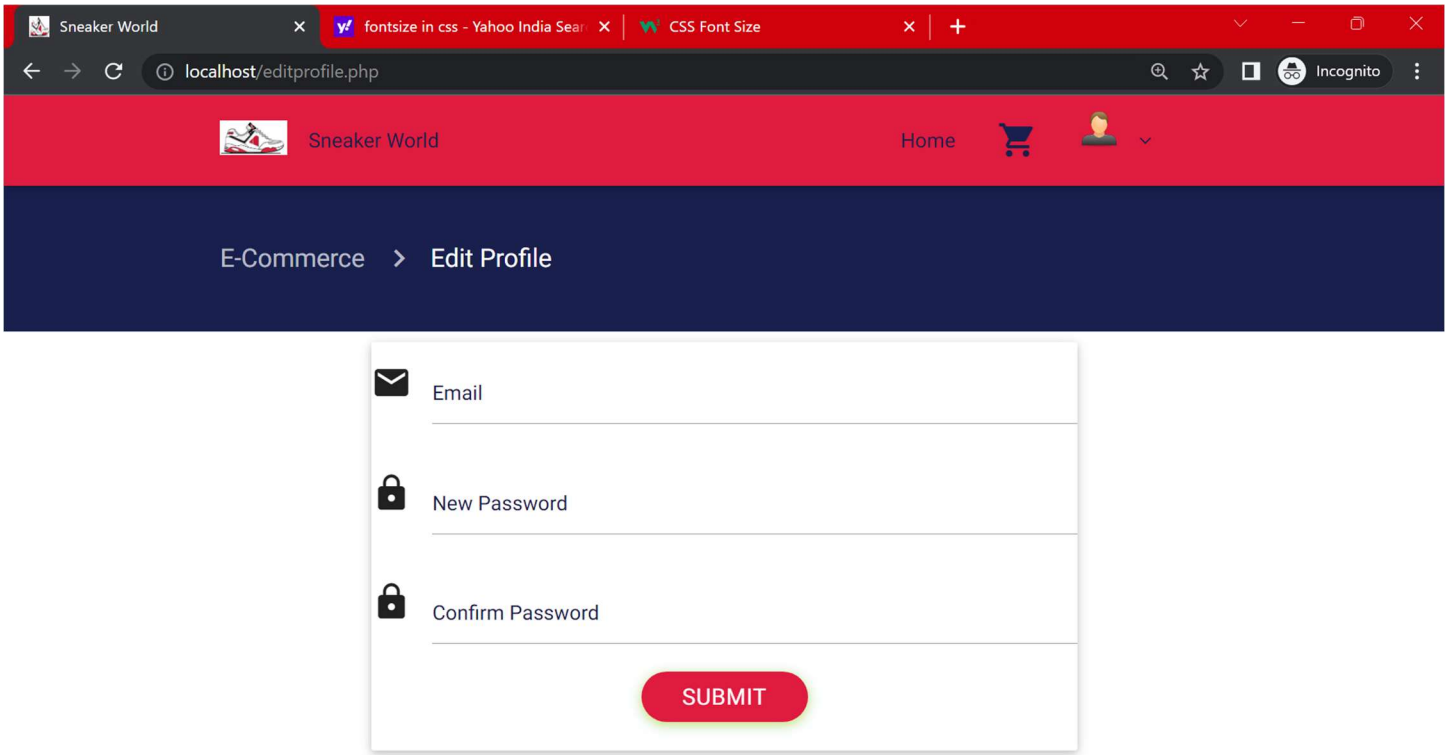
4) Checkout Page



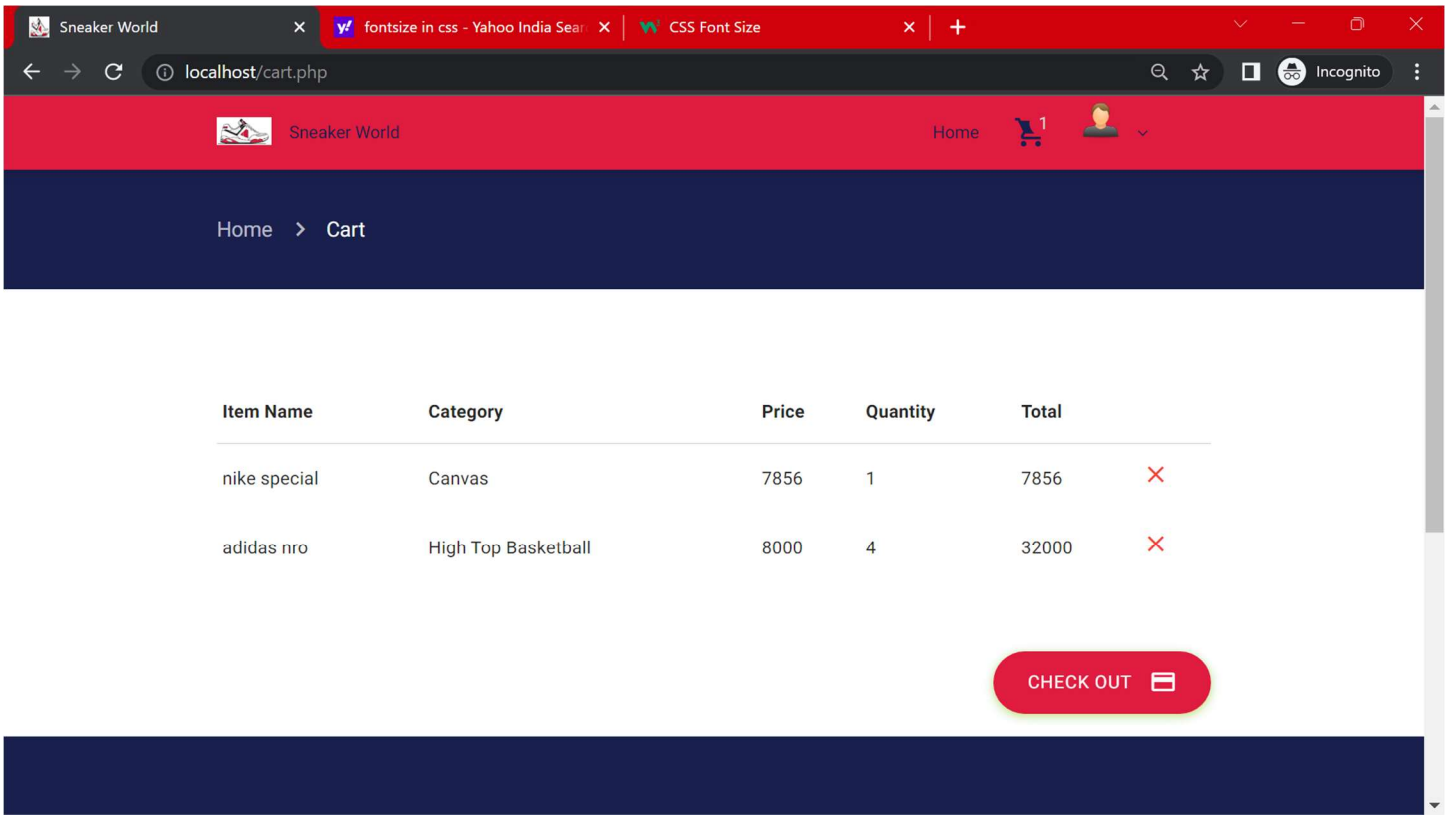
5) Product Page



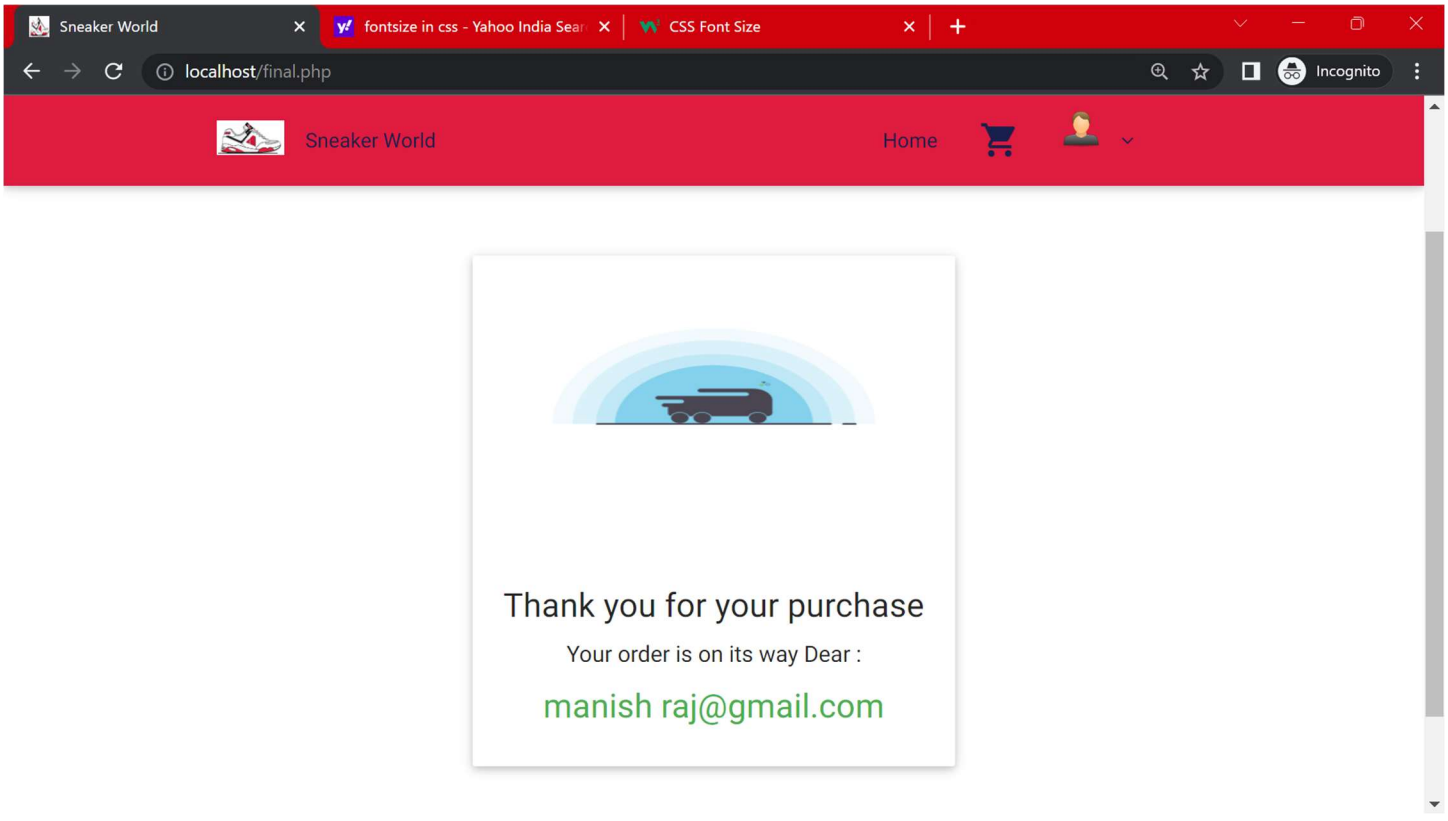
6) Edit Profile Page



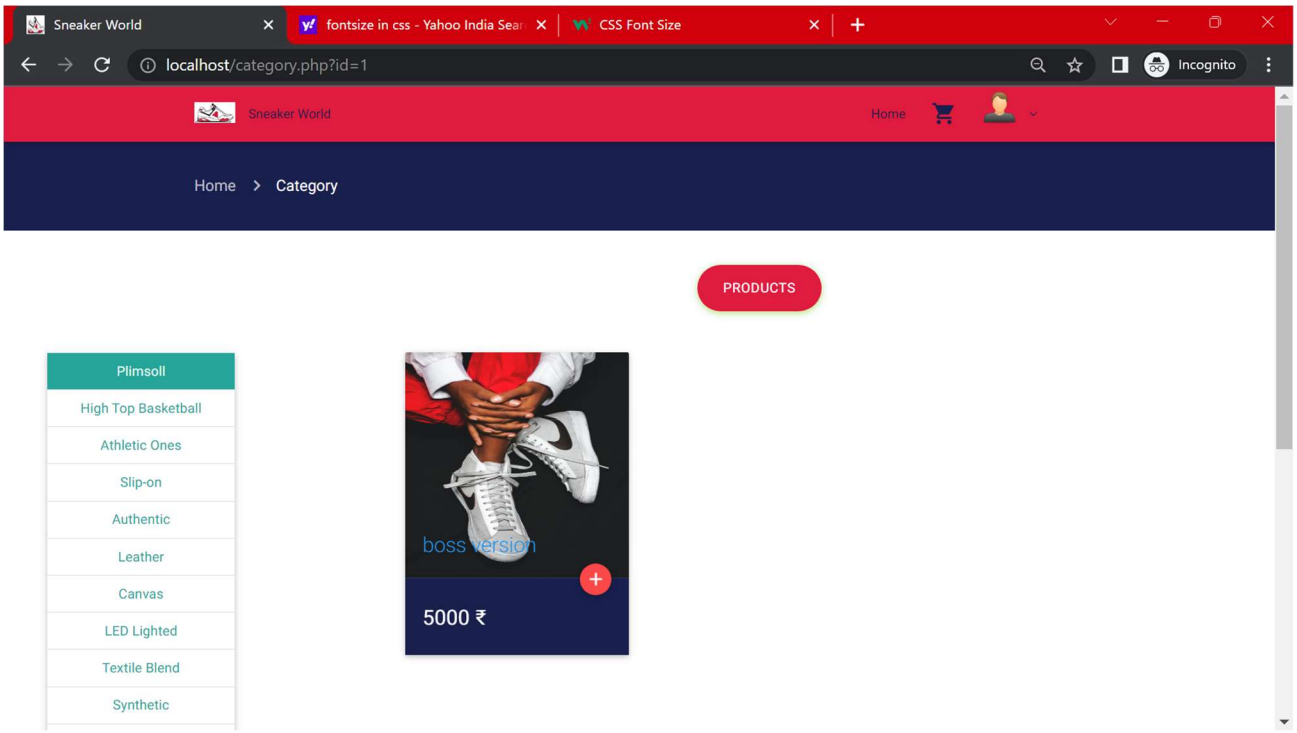
7) Cart Page



8) Thanks Page



9) Category Page



Steps to purchase a product:

- **STEP 1:**

  Login ,If you don't have an account, Sign up.

- **STEP 2:**

  Browse the required category and select the item which you want to buy.(Click on the "+" Button) Mention the required quantity and Click on ADD TO CART

- **STEP 3:**

  Click on button.Click on "CHECK OUT"

STEP 4:

Fill-in all the details and click on PAY button, to get the Confirmation.

- **STEP 5:**

Congratulations, your order has been placed successfully and you can see the same inthe "Orders" section on the Nav Bar.