

**Smart
Internz**

Project Documentation

APSCHE SMARTINTERNZ INTERNSHIP PROJECT

FRONTEND DEVELOPMENT

Project Title : Ecommerce - Shoe Store

Team Members

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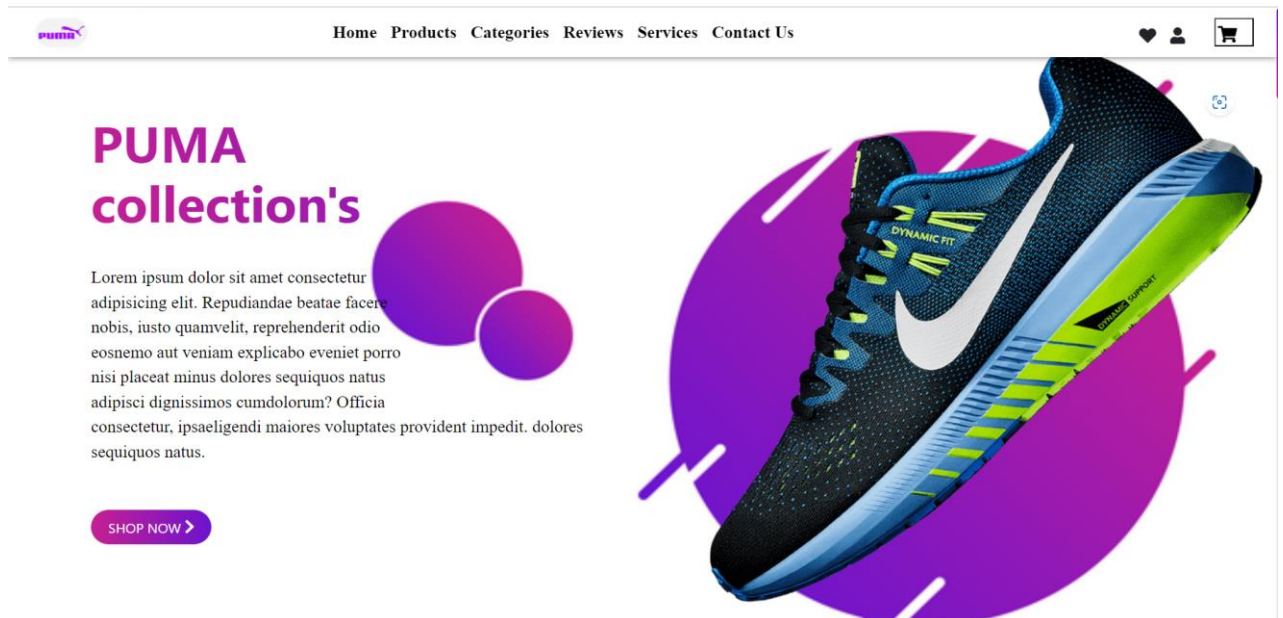
20MH1A05C7(Gowthu Raja)

20MH1A0585(Kadavala Nikhilkumar)

Project Description:

E-commerce :

Shoe Store is a web application that provides the user to watch various shoes according to the categories like running, casual shoes, etc. It allow users to move their shoes to the cart and accordingly shows how much items are their in there cart and shows price as well. Contains bootstrap items like carousels, cards, models, etc .



Purpose:

The E-commerce Shoe Store is a user-friendly web application that facilitates the buying and selling of shoes. Customers can browse a wide selection of shoes, view product details, and read reviews. They can securely create accounts, add products to their carts. Order tracking keeps customers informed about their purchases. With a responsive design, the platform aims to deliver a seamless and enjoyable shopping experience for all users.

LITERATURE SURVEY:

Existng problem :

There are several existng approaches and methods to solve the problem of building an E-commerce Shoe Store web applicaton. One common approach is to use popular e-commerce platforms such as Shopify, WooCommerce, or Magento, which provide ready-to-use templates and plugins to set up online stores quickly. These platforms handle various aspects of the applicaton, including product listngs, shopping carts, payments, and order management.

- Another method is to build a custom web application using web development frameworks like Django, Ruby on Rails, or Node.js, where developers have more flexibility and control over the features and design.
- To enhance user experience, applying responsive design principles and optimizing performance are crucial.
- AWS or Azure can provide scalability and reliability for the application. Finally, employing data analytics tools can offer valuable insights into customer behaviour and sales trends, enabling data-driven improvements to the platform.

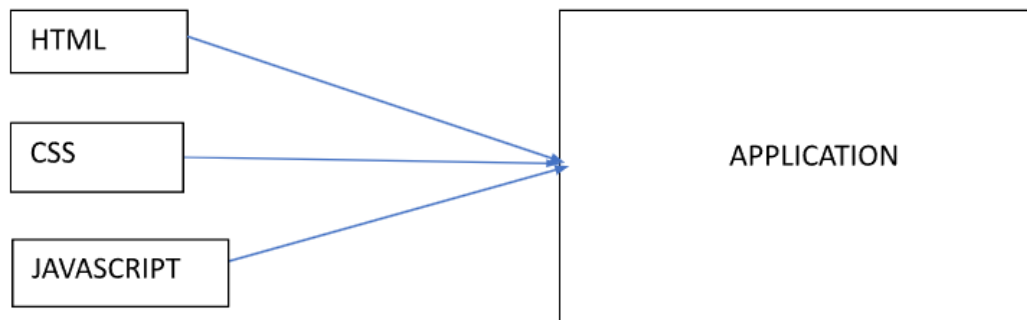
Proposed solution :

- ☐ The proposed solution for building the E-commerce Shoe Store web application involves using HTML, CSS, and JavaScript to create a dynamic and interactive user interface.
- ☐ HTML will be used to structure the web pages, CSS for styling and layout design, and JavaScript for implementing various functionalities and user interactions.
- ☐ The front-end will be designed with a responsive approach, ensuring optimal user experience across different devices and screen sizes.

THEORITICAL ANALYSIS :

Block diagram

Diagrammatic overview of the project.



Hardware / Software:

A code editor (such as Visual Studio Code, Sublime Text, or Atom)

- ☐ A web browser
- ☐ An internet connection
- ☐ HTML, CSS or Bootstrap, and JavaScript knowledge

Software Folder Structure:

- casuals.html
- running.html
- fashion.html
- sports.html
- final.html
- final.css
- final.js

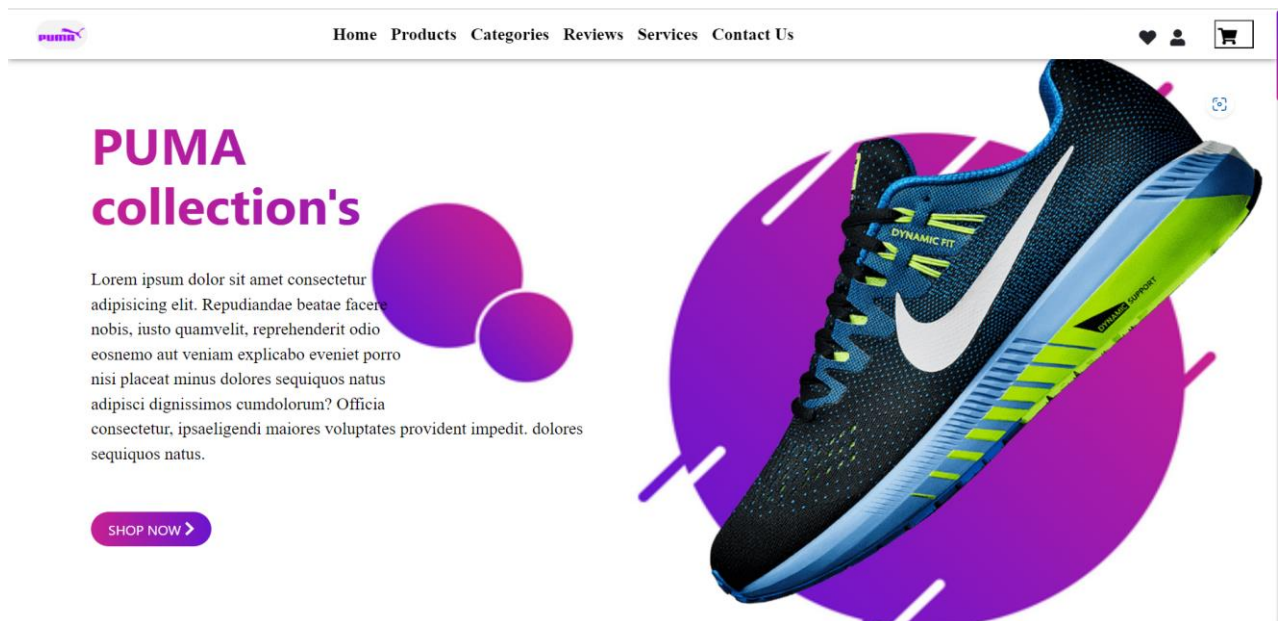
Final.html: The main HTML file that contains the structure of the webpage.

final.css: The CSS file that defines the styles for the user interface.

final.js: The JavaScript file that handles data and all functions that are used in projects and updates the UI.

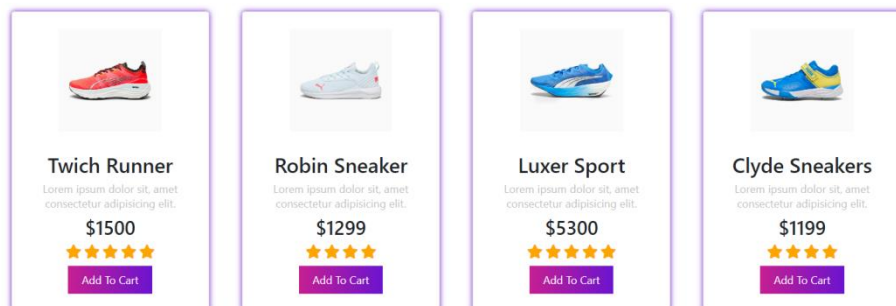
Project Final Output:

Home:



Products:

PRODUCTS



Categories:

TOP CATEGORIES



Running



Fashion

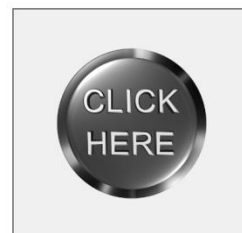


Sports










Casuals

Offers:







Contact Us:





Contact	Get Help	Our Stores	Follow Us	Newsletter
 123/Colombo/Sri Lanka	FAQ	Sri Lanka	   	<input type="text" value="You email id here"/>
 +94 12 345 6789	Shipping	USA		Subscribe
 contact@gmail.com	Returns	India		
	Payment Options	Japan		

Items by category:





CASUALS COLLECTION

			
Ink Black <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Smash Casual <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Manor Casual <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Krick Casual <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>
\$1126 ★★★★★	\$1221 ★★★★★	\$1111 ★★★★★	\$1109 ★★★★★
Add To Cart	Add To Cart	Add To Cart	Add To Cart


SPORTS SHOES

			
Youth Indoor <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Shuttle Aero <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Ultra Aero <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Turco youth <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>
\$1290 ★★★★★	\$1090 ★★★★★	\$2750 ★★★★★	\$2314 ★★★★★
Add To Cart	Add To Cart	Add To Cart	Add To Cart


RUNNING SHOES

			
Velocity Runner <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	E Comfort Runner <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	Walter Runner <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>	X KI Columbus <small>Lorem ipsum dolor sit, amet consectetur adipiscing elit.</small>
\$1199 ★★★★★	\$1250 ★★★★★	\$1129 ★★★★★	\$1000 ★★★★★
Add To Cart	Add To Cart	Add To Cart	Add To Cart


LATEST FASHION'S




Manore Fashion
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.
\$1209
 ★★★★★
 Add To Cart



Xt Fashion
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.
\$1110
 ★★★★★
 Add To Cart



SuperTech Open
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.
\$1390
 ★★★★★
 Add To Cart



Radiate Women
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.
\$1500
 ★★★★★
 Add To Cart

Services:

OUR SERVICES



Fast Delivery
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.




10 Days Replacement
 Lorem ipsum dolor sit, amet
 consectetur adipiscing elit.




24 x 7 Support
 Lorem ipsum dolor sit, amet
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Customer Review:


CUSTOMER'S REVIEW




Ranidi Lochana
 ★★★★★
 Lorem ipsum dolor sit amet consectetur, adipiscing
 elit. Debitis, amet nesciunt voluptatem cum
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Sayuru Tharanga
 ★★★★★
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Senuda Dilwan
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Kaveesha Vidurangi
 ★★★★★
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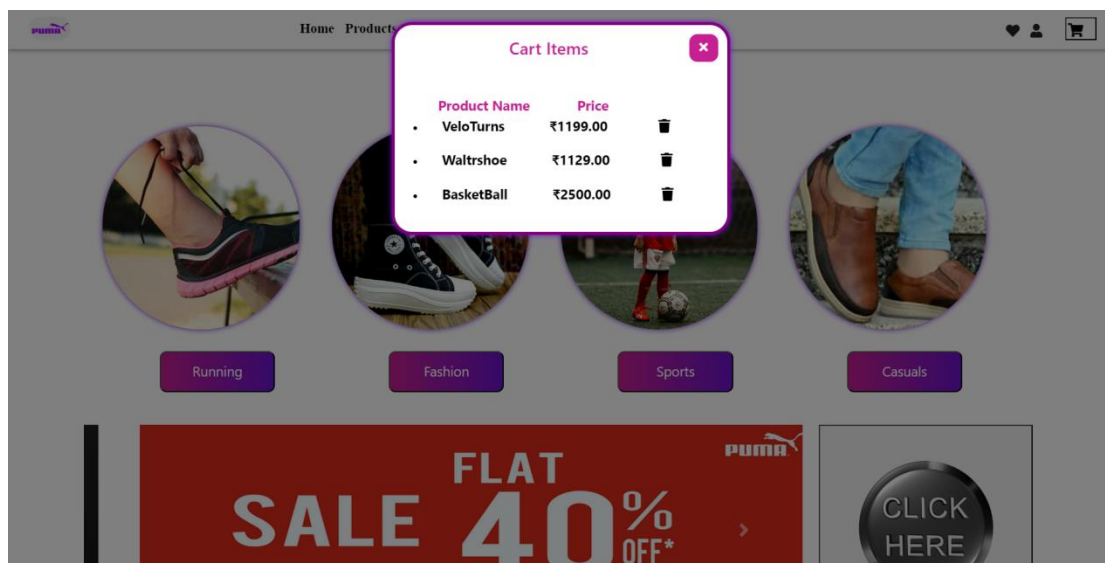
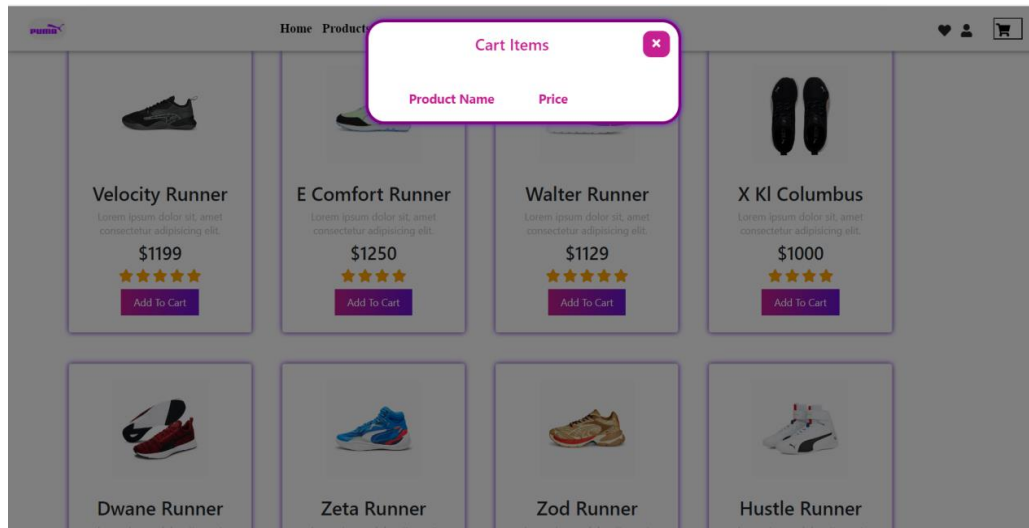


John Deo
 ★★★★★
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Charith Aruna
 ★★★★★
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Cart:



ADVANTAGES & DISADVANTAGES:

Advantages of the Proposed Solution:

The proposed solution, which involves using HTML, CSS, and JavaScript for building the E-commerce Shoe Store web application, offers several significant advantages.

- First and foremost, the web application becomes platform independent, allowing users to access it from various devices with web browsers. Whether customers are using desktops, laptops, tablets, or smartphones, they can seamlessly browse and shop for shoes on the platform.
- This broad accessibility enhances the potential reach of the application and accommodates a diverse audience.
- Additionally, HTML and CSS support various media formats, which is vital for an E-commerce Shoe Store. High-quality images and multimedia content can be seamlessly integrated into the platform to showcase the shoes effectively.

Disadvantages of the Proposed Solution:

While the proposed solution has several advantages, it also comes with certain disadvantages that need consideration.

- One significant concern is security. JavaScript, being a client-side language, can expose the application to potential security risks, such as cross-site scripting (XSS) attacks.
- To ensure data and user security, developers must implement robust security measures, validate user inputs, and sanitize data effectively.
- Performance challenges can also arise from the extensive use of JavaScript.
- The inclusion of multiple scripts or the execution of complex operations on the client-side can result in slower page loading times, particularly for users with limited processing power and slower internet connections.
- Optimizing JavaScript code and limiting its usage can mitigate this issue.

APPLICATIONS :

The proposed solution of building an E-commerce Shoe Store web application using HTML, CSS, and JavaScript can be applied in multiple areas.

- ☐ Firstly, it serves as an excellent platform for online shoe retail, where customers can conveniently browse and purchase shoes.
- ☐ Additionally, the same infrastructure can be extended to fashion and apparel retail, enabling sellers to list a broader range of products like clothing and accessories.
- ☐ The solution can also be adapted to function as a multi-vendor marketplace, allowing various shoe sellers and brands to create their own stores within the platform.
- ☐ For sports enthusiasts, the web application can be specialized to cater to athletic and sports shoes, providing a comprehensive range of footwear designed for different sports and activities.

CONCLUSION:

In conclusion, the E-commerce Shoe Store web application, developed using HTML, CSS, and JavaScript, offers a user-friendly platform for buying and selling shoes.

- ☐ The solution provides a visually appealing and interactive interface, ensuring a seamless shopping experience for customers.
- ☐ While the platform showcases numerous advantages, it also address potential challenges related to security and performance. With its versatility, the application can be applied to various areas With in online retail, fashion, and beyond.

THANKYOU!