Project Report: Product Web Page Development

**1. Project Title**

Sneaker E-commerce Product Page

**2. Objective**

To design and implement a user-friendly, responsive product display web page showcasing various sneakers with essential product information and shopping functionality (size selection and add-to-cart button).

**3. Technologies Used**

* **HTML5**: For structuring the content.
* **CSS3** (linked via styles.css): For styling the layout and ensuring visual consistency.
* **Responsive Design**: Achieved via meta viewport tag.

**4. Features Implemented**

* **Product Display Section**: Each product is shown in a separate div with:
  + Product Image
  + Title
  + Brand Name
  + Price
  + Product Description
  + Size Selection Dropdown
  + "Add to Cart" Button
* **Multiple Products**: The page displays four unique sneaker products with different images and prices.
* **Consistent Design**: Every product uses the same structure and class names (product-container, product-image, product-details), promoting scalability and clean design.

**5. Product Listings**

Each product is labelled **"Cool Sneakers"** by **Trendy Shoes Co.**, priced individually:

1. **$89.99** - White and Blue Premium Sneakers
2. **$69.99** - Common Projects-style sneakers
3. **$90.99** - Lacoste-inspired design
4. **$85.99** - Classic minimal design

**6. Responsiveness**

The web page is structured to work on various devices, thanks to:

* Use of the meta viewport tag.
* Semantic HTML structure ready for styling with responsive CSS (not shown but expected in styles.css).

**7. Improvements & Future Enhancements**

* **Dynamic Cart Functionality** using JavaScript
* **Product Filtering & Sorting**
* **User Reviews & Ratings**
* **Backend Integration** for inventory management
* **Accessibility Improvements** (e.g., ARIA roles)

**8. Conclusion**

This product page is a foundational element of an e-commerce site. It effectively demonstrates how a clean, simple layout with structured content can deliver a seamless shopping experience. Future versions can enhance interactivity and backend connectivity to complete the shopping flow.