1. Introduction

Stay Fragrant is a modern, visually rich perfume e-commerce website designed to provide users with a premium shopping experience. The platform allows users to browse, explore, and purchase luxury fragrances for men and women in an elegant and interactive environment. The website focuses on smooth animations, clean design, easy navigation, and user-friendly features such as product sliders and cart functionality.

The goal of this project was to apply web development concepts learned in the lab by building a complete, real-world styled website using HTML, CSS, and JavaScript.

2. Objectives of the Project

The main objectives of this project are:

- To design a visually attractive perfume store

- To provide smooth navigation and page transitions

- To display products dynamically using sliders

- To implement an Add-to-Cart system

- To create multiple pages including Login, Collection, Cart, and About

- To apply modern UI/UX principles

3. Scope of the Project

The website can be used by:

- Perfume brands

- Online fragrance stores

- Startups selling luxury products

It can be extended in the future to include:

- Online payment systems

- User accounts

- Order tracking

- Admin dashboard

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4. Technologies Used

Technology Purpose

Technology	Purpose
HTML5	Page structure
CSS3	Styling, layout, animations
JavaScript	Interactivity, cart system, slider
GitHub	Version control
Browser	Testing and debugging

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5. System Overview

The Stay Fragrant website consists of the following pages:

1. Home Page

- Displays hero section
- Featured perfume slider
- Navigation bar and footer

2. Login Page

- Allows users to enter username and password
- Styled modern form

3. Collection Page

- Displays all perfumes in grid format
- 5 products per row

4. Men's & Women's Pages

- Filtered collections

5. Cart Page

- Displays selected products
- Shows total price
- Allows item removal

6. About Page

- About the brand
- About the team

6. Key Features

➤ **Smooth Product Slider**

The featured perfumes rotate continuously using JavaScript to avoid stuttering and ensure seamless animation.

➤ **Add to Cart System**

Users can:

- Add products

- View cart

- Remove items

- See total price

➤ **Responsive Layout**

The website adjusts to different screen sizes.

➤ **Modern UI**

Includes:

- Dark theme

- Orange accent

- Hover effects

- Smooth transitions

7. Team Contributions

This project was developed as a collaborative effort.

Member	Contribution
Abdul Rafay Siddique	UI Design, Frontend Development, Animations, JavaScript
Muhammad Shimaas	Product research, content planning, page layout ideas
Ahsan Zafar	Testing, bug reporting, documentation, and presentation

8. Challenges Faced

- Slider animation stutter
- Layout alignment issues
- Cart state handling
- Page navigation errors

These were solved using:

- JavaScript cloning for infinite slider
- CSS flexbox fixes
- DOM manipulation
- Event listeners

9. Future Enhancements

- User authentication

- Online payments

- Order history

- Admin dashboard

- Product reviews

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10. CONCLUSION

The Stay Fragrant website successfully demonstrates the use of modern web technologies to create a functional and visually appealing e-commerce platform. It meets all the objectives of the project by providing a smooth, interactive, and professional perfume shopping experience. This project helped the team gain hands-on experience in UI design, JavaScript logic, and web structure.