INTRODUCTION

This project is a simple frontend web application developed using HTML, CSS, and JavaScript. Frontend development focuses on creating the user interface and user experience of a website. This task provides hands-on exposure to building a static web application and understanding how different frontend technologies work together.

OBJECTIVES

1 To understand the basics of frontend web development
2 To create a simple and structured static web application
3 To learn how HTML, CSS, and JavaScript interact
4 To gain practical experience in building user interfaces
5 To understand the process of hosting a static website

TECHNOLOGIES USED

HTML: Used to define the structure and layout of the webpage.
CSS: Used to style the webpage and improve visual appearance.
JavaScript: Used to add interactivity and handle user actions.
GitHub: Used for maintaining and managing source code.
Netlify: Used for hosting and testing the static web application.

PROJECT STRUCTURE

KT_4_Task
|— index.html
|— style.css
|— script.js

IMPLEMENTATION DETAILS

The implementation of the project was carried out in a step-by-step manner. HTML was used to build the structure, CSS enhanced the appearance, and JavaScript added interactivity through button click events.

FUNCTIONAL DESCRIPTION

The webpage contains basic content and a button. When the button is clicked, a JavaScript function executes and displays an alert message to the user.

ADVANTAGES

1 Easy to understand and implement
2 Improves basic frontend development skills
3 Demonstrates separation of structure, style, and behavior
4 Helpful for beginners
5 Provides real-time static website experience

LIMITATIONS

The project supports only basic frontend features and does not include backend logic or database connectivity.

FUTURE ENHANCEMENTS

Future improvements may include responsive design, form handling, validation, backend integration, and advanced UI features.

CONCLUSION

The KT_4 frontend task was successfully completed and provided strong foundational knowledge in frontend web development.

EXECUTION EVIDENCE

The application was executed in a browser and verified by observing the alert message on button click.