

Website Enhancement Report
Ken-Dor Garden Center

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Course
Introduction to JavaScript

Instructor
Frank Lu

Introduction

This development plan outlines the enhancement of the Ken-Dor Garden Center website, a key digital asset for the well-established garden center located in Qualicum Beach, British Columbia. In the digital age, a robust online presence is vital for retail success. The proposed improvements aim to bolster user engagement, provide valuable information, and streamline the customer experience through the integration of JavaScript-powered features.

Overview

The Ken-Dor Garden Center website serves as a crucial component of the company's digital marketing strategy, showcasing a vast array of plants and gardening products. It reflects their commitment to quality and customer satisfaction, rooted in extensive horticultural expertise. To leverage its online potential fully, the integration of the following features is proposed.

Features Implementation

1. Live Chat Bot Support

Enhancement: Provides instant support, answering queries in real-time, and assists with navigation and personalized recommendations, significantly enhancing user engagement.

JavaScript Techniques: Implementation involved event listeners for toggling the chat interface, DOM manipulation for message display, and asynchronous fetch API calls to OpenAI for dynamic chatbot responses.

2. Customer Feedback and Rating System

Enhancement: Enables customers to rate and review products, fostering trust and offering valuable insights to both the garden center and prospective customers.

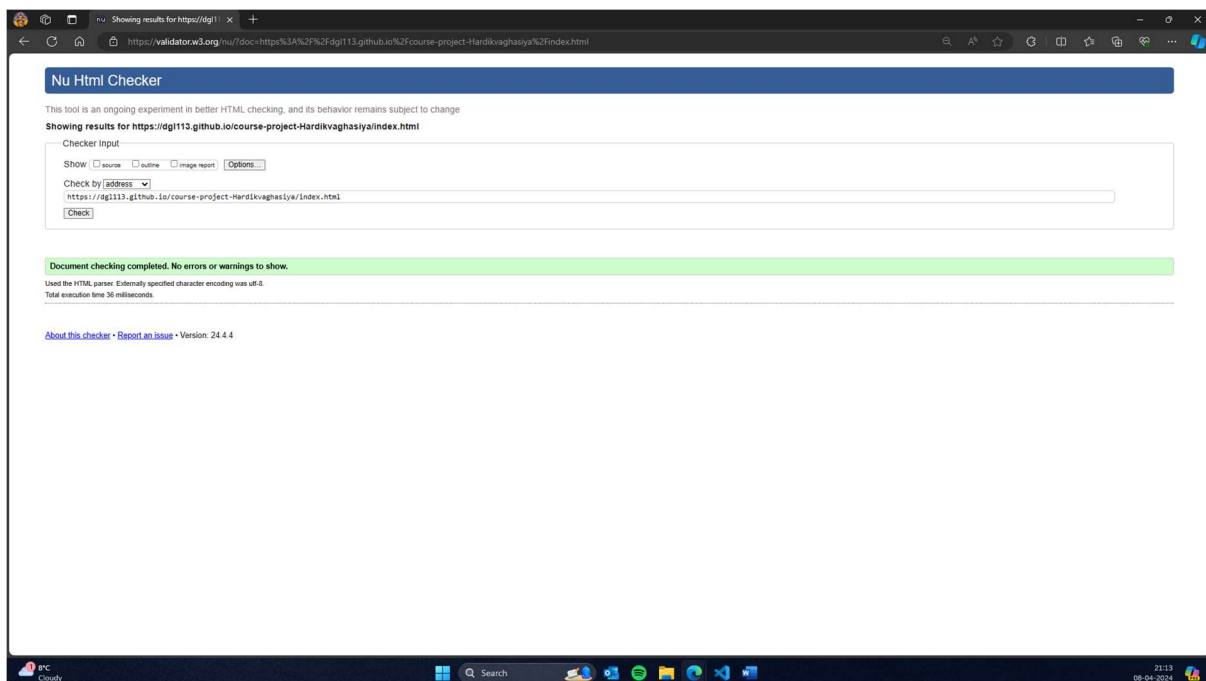
JavaScript Techniques: Utilized form handling to capture user submissions, DOM updates to dynamically showcase feedback, and potentially local storage or server-side integration for persisting data.

3. Interactive Plant Finder Tool

Enhancement: Facilitates efficient search and filtering of plants based on specific criteria, aiding customers in making informed decisions and enhancing the overall shopping experience.

JavaScript Techniques: Employed key-up event listeners for instant search results, array filtering for search criteria, and DOM manipulation to reflect search results dynamically.

HTML Code validator



CSS Code validator

W3C CSS Validator results for <https://dgl113.github.io/course-project-Hardikvaghasiya> (CSS level 3 + SVG)

Jump to: Errors (6) Warnings (87) Validated CSS

W3C CSS Validator results for <https://dgl113.github.io/course-project-Hardikvaghasiya> (CSS level 3 + SVG)

Sorry! We found the following errors (6)

URI: <https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.11.0/css/all.min.css>

6	.fa-beat	var(--fa-animation-delay, 0) is not a animation-delay VALUE: var(--fa-animation-delay, 0)
6	.fa-bounce	var(--fa-animation-delay, 0) is not a animation-delay VALUE: var(--fa-animation-delay, 0)
6	.fa-beat-fade, .fa-fade	var(--fa-animation-delay, 0) is not a animation-delay VALUE: var(--fa-animation-delay, 0)
6	.fa-flip	var(--fa-animation-delay, 0) is not a animation-delay VALUE: var(--fa-animation-delay, 0)
6	.fa-shake, .fa-spin	var(--fa-animation-delay, 0) is not a animation-delay VALUE: var(--fa-animation-delay, 0)
6	.fa-rotate-by	var(--fa-rotate-angle, none) is not a transform VALUE: rotate(var(--fa-rotate-angle, none))

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Warnings (87)

URI: <https://dgl113.github.io/course-project-Hardikvaghasiya/style.css>

276 The property `clip` is deprecated

URI: <https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.11.0/css/all.min.css>

6	:-moz-osx-font-smoothing	is a vendor extension
6	:-webkit-font-smoothing	is a vendor extension
6	Due to their dynamic nature, CSS variables are currently not statically checked	
6	:-webkit-animation-name	is a vendor extension
6	:-webkit-animation-delay	is a vendor extension
6	:-webkit-animation-iteration	is a vendor extension

Website testing for firefox

Browserling.com: <https://www.browserling.com/browse/win/10/firefox/124/https://dgl113.github.io/course-project-Hardikvaghasiya/index.html#>

Ken-Dor Garden Center

(250) 594-1117 ken-dor@shaw.ca Facebook Instagram

Ken-Dor Garden Center Home Plants Feedback

Our Nursery

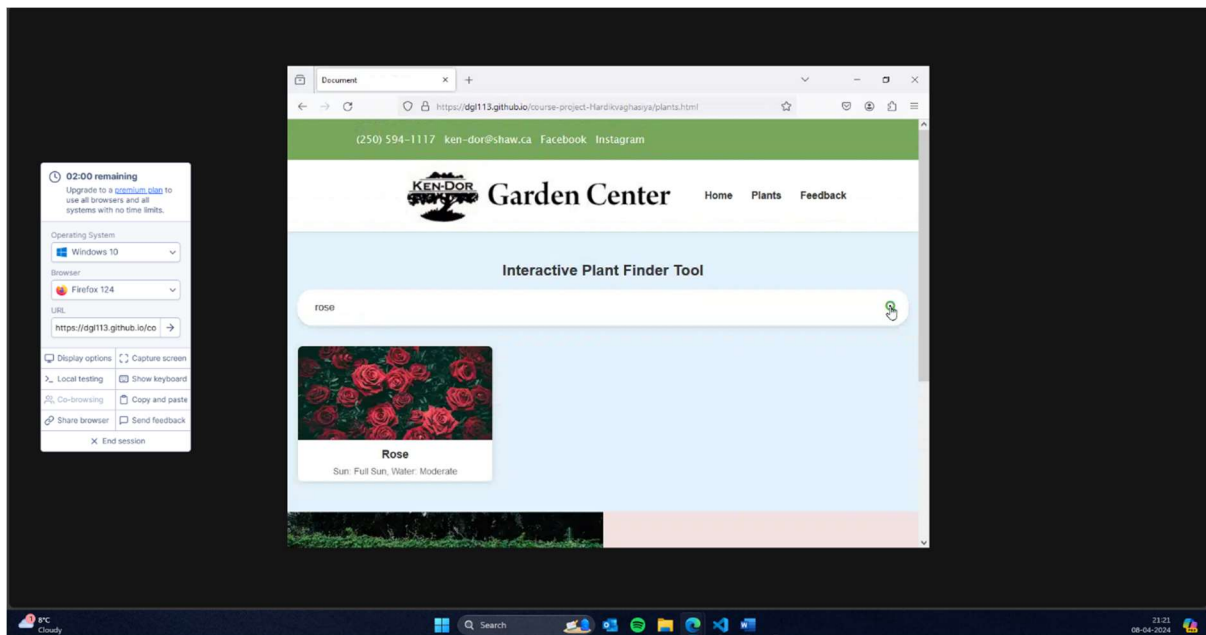
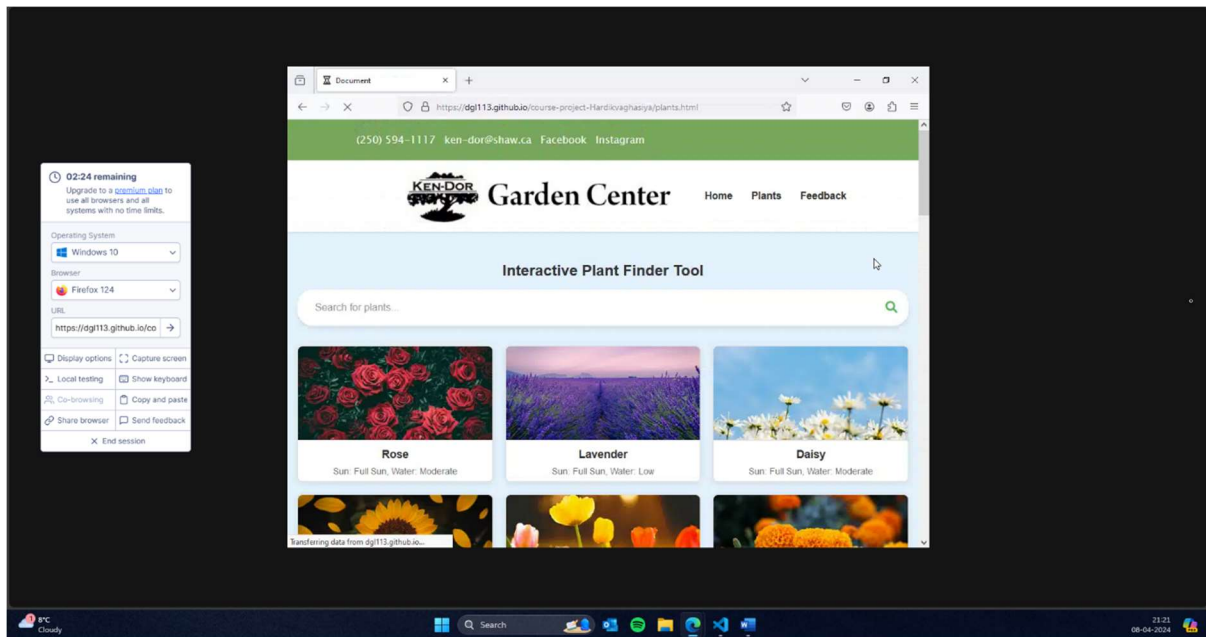
Ken-Dor's Nursery represents decades of work and knowledge in horticulture

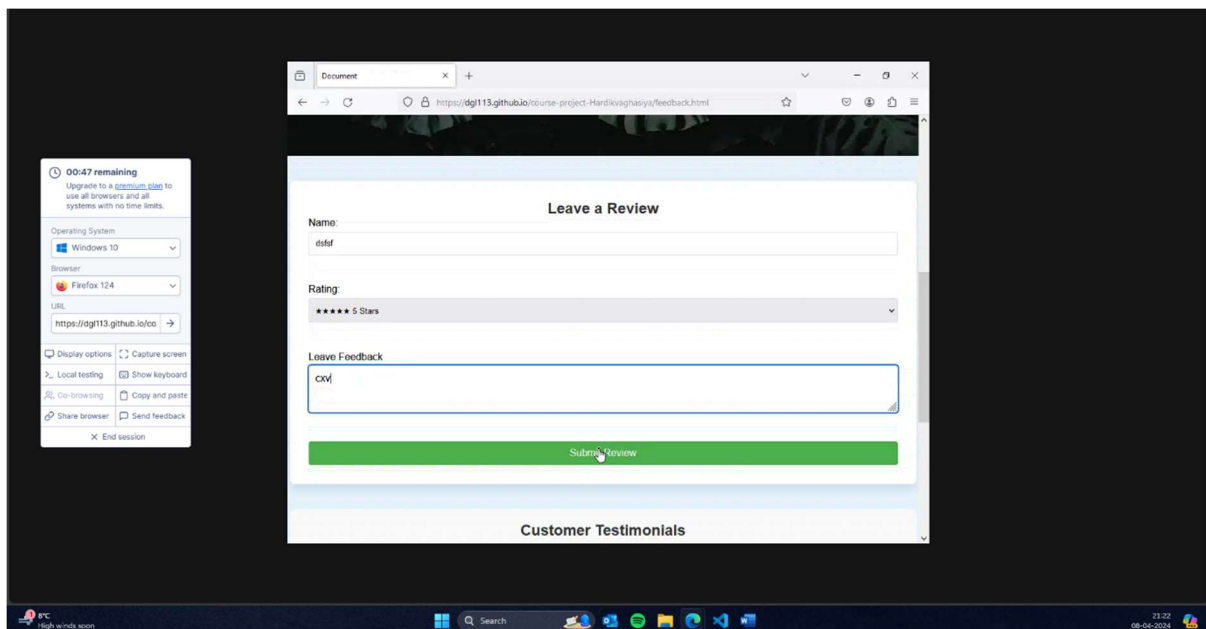
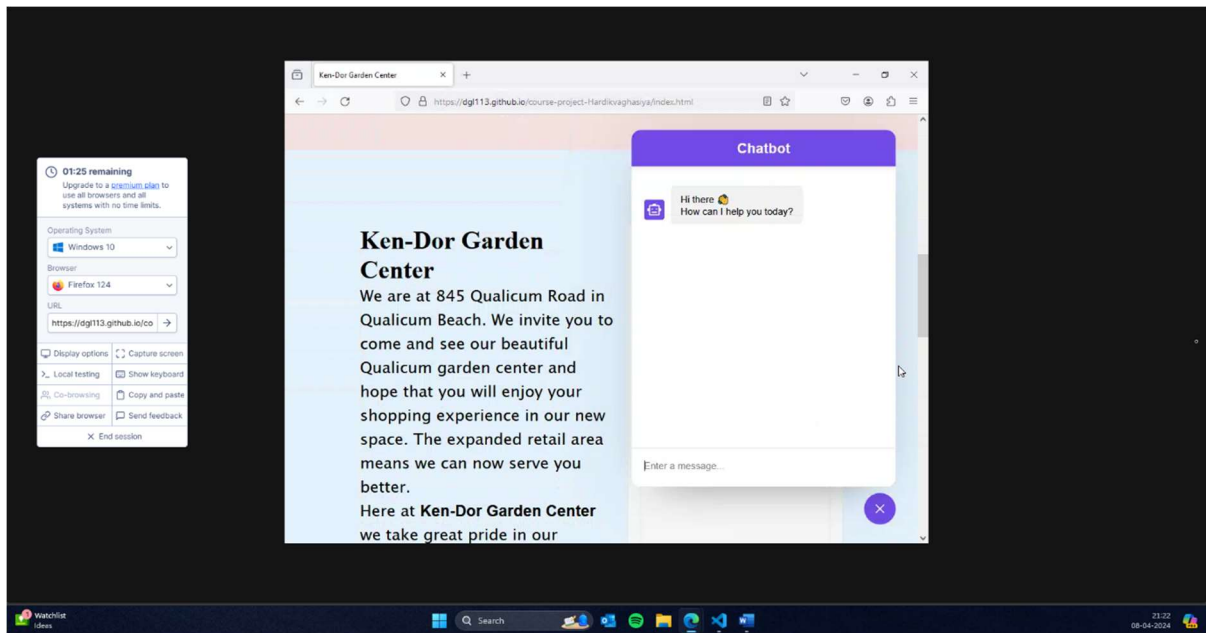
[Learn More](#)

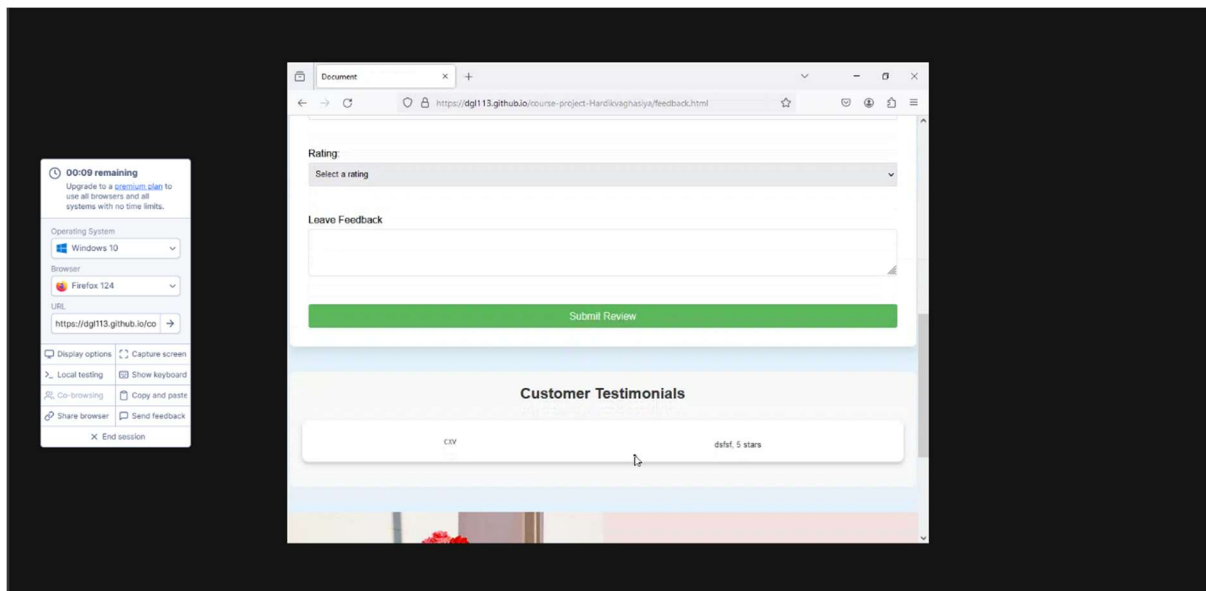
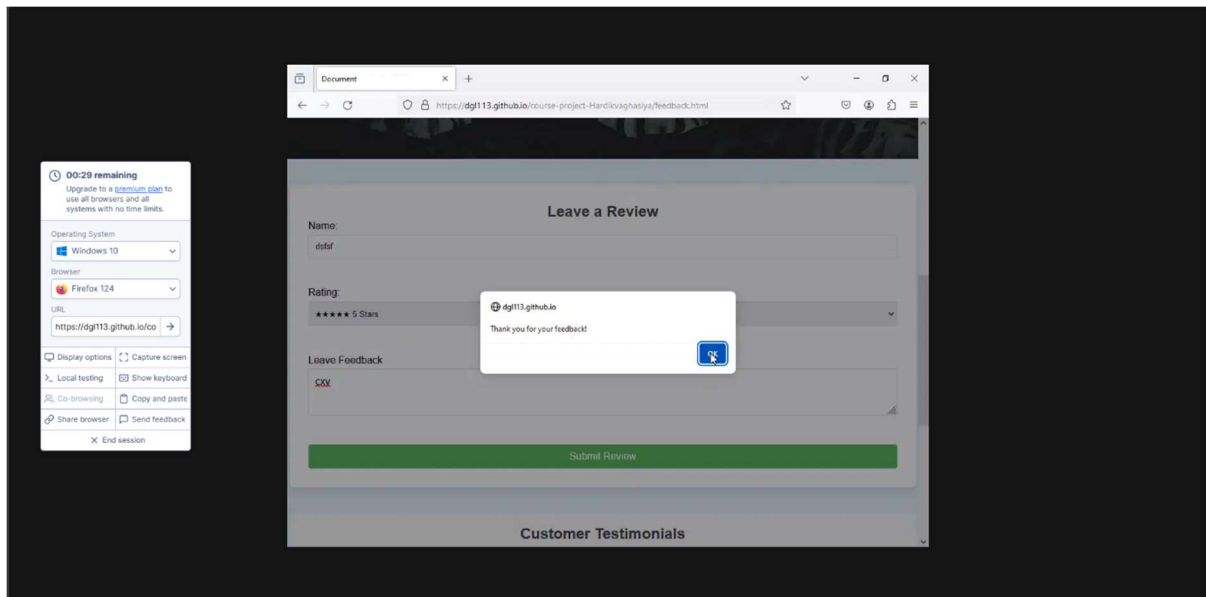
02:47 remaining
Upgrade to a [premium plan](#) to use all browsers and all systems with no time limits.

Operating System: Windows 10
Browser: Firefox 124
URL: <https://dgl113.github.io/>

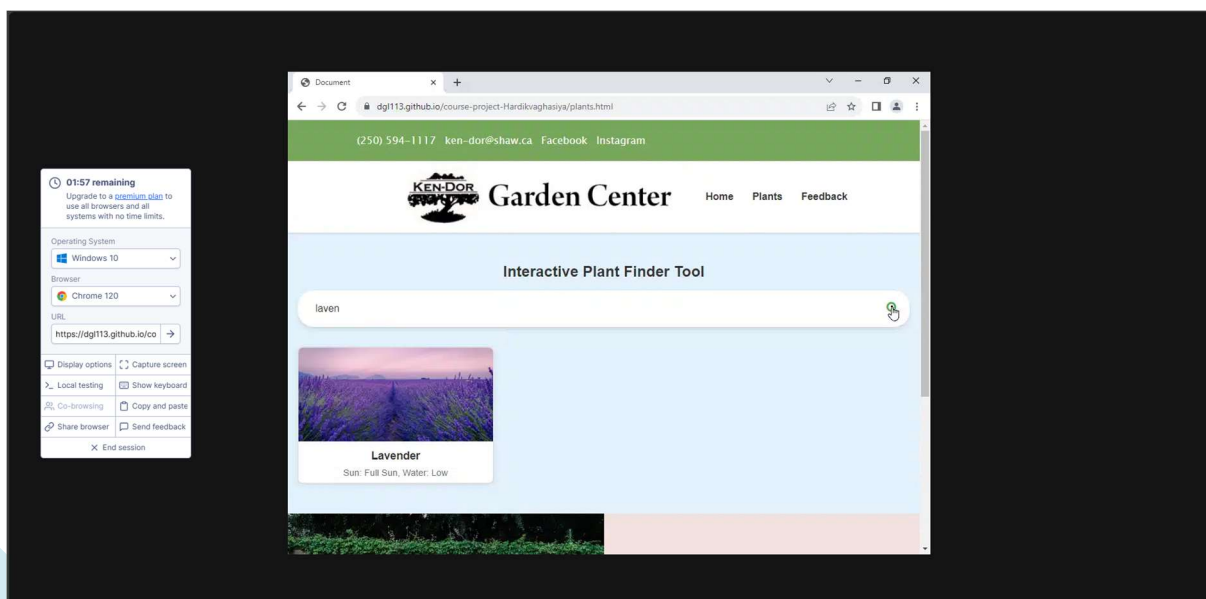
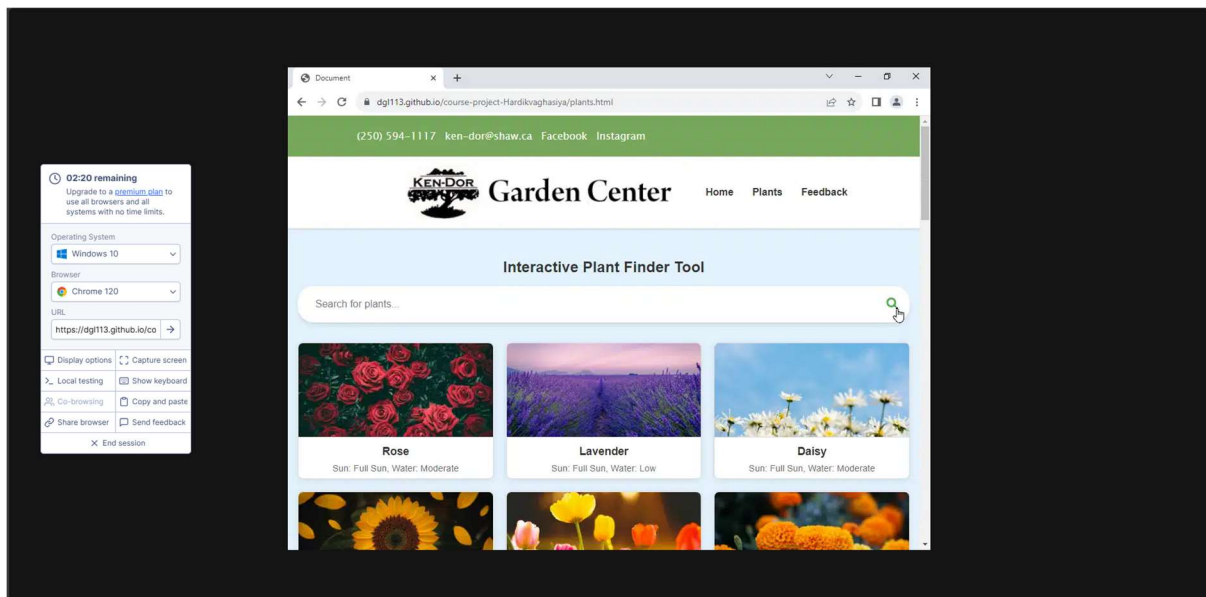
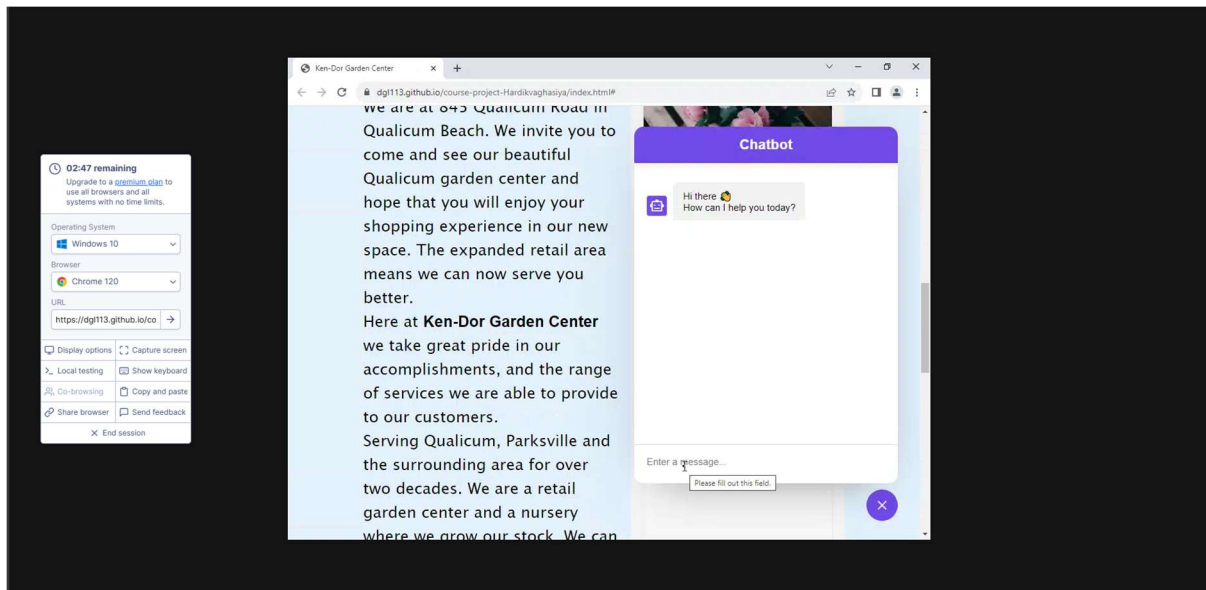
Display options: Capture screen
Local testing: Show keyboard
Co-browsing: Copy and paste
Share browser: Send feedback
End session

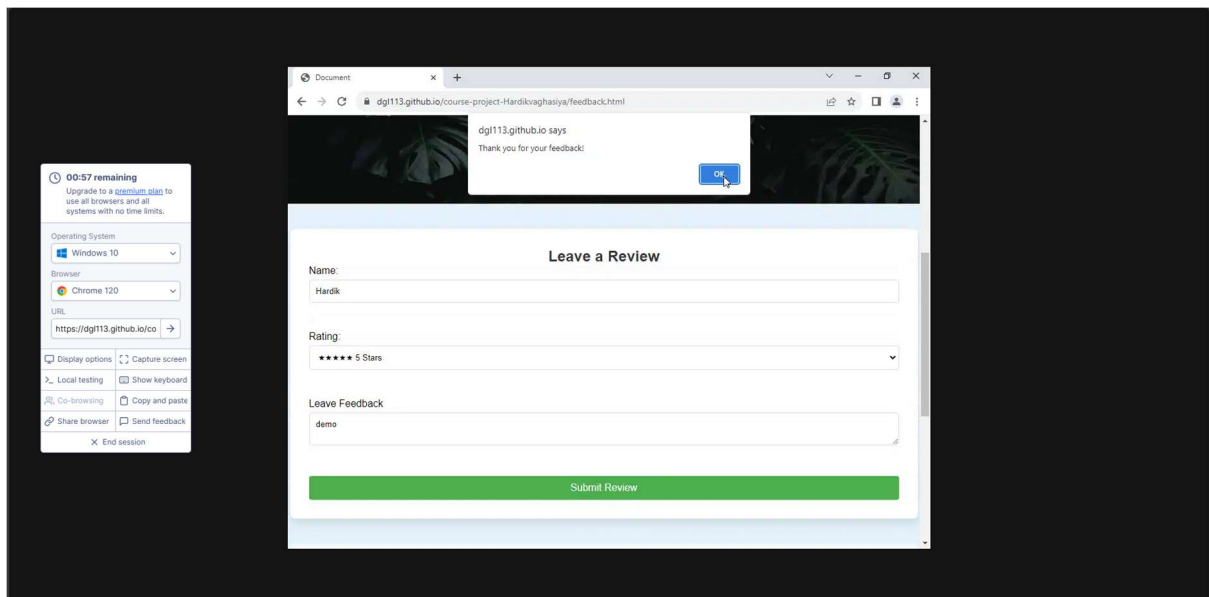
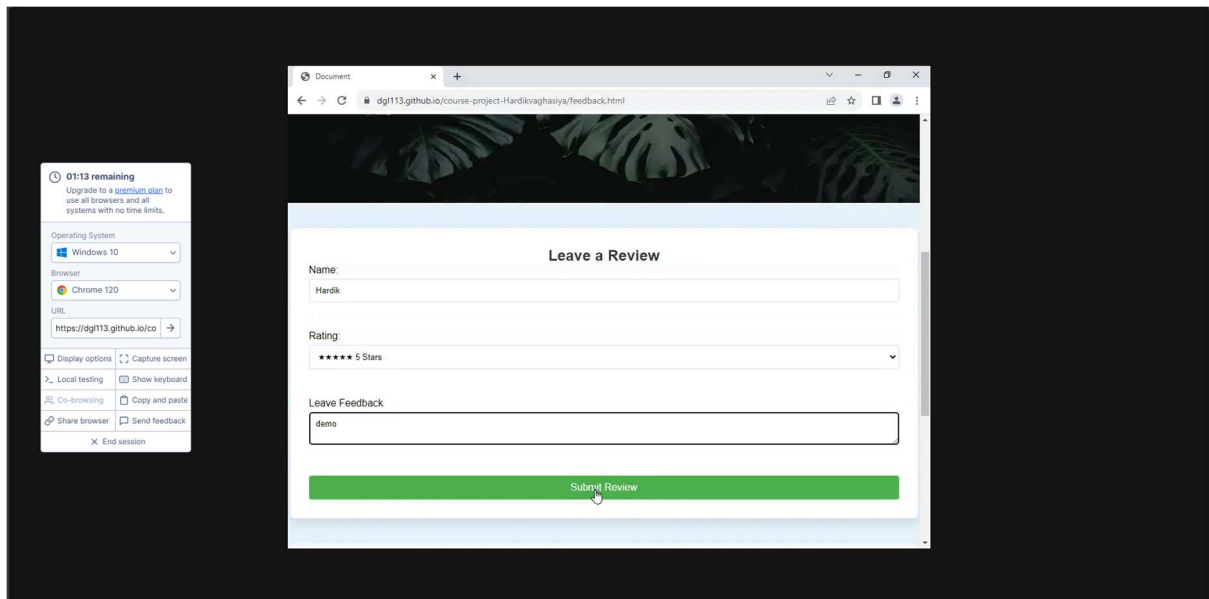


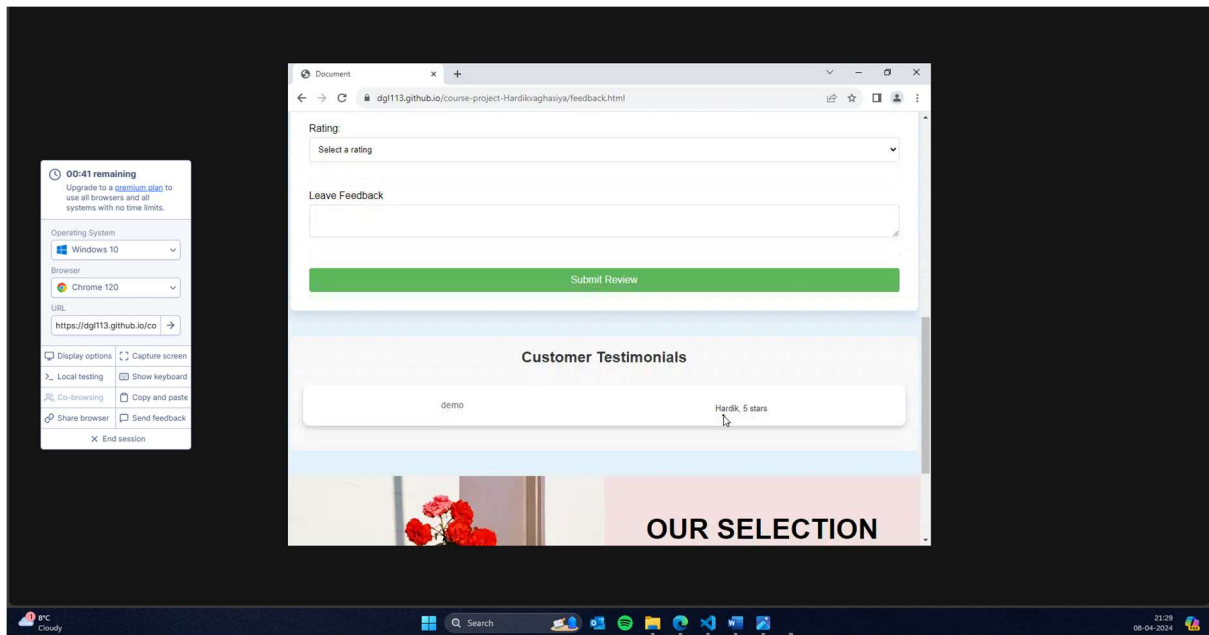




Website testing for Chrome







Project Work Experience

Time Spent – 42-45 hrs

Throughout the project, I acquired the following insights.

1. **JavaScript Interactivity:** How to incorporate interactive elements into your website using JavaScript. This includes handling user interactions through event handling, manipulating the DOM to change content dynamically, and perhaps obtaining data from external APIs for real-time features like chatbots.
2. **CSS Layouts and Styles:** Knowledge in CSS layout and styling, including responsive design methods like Flexbox, media queries, and grid, ensures that the website appears well on all platforms, including desktops and mobiles.
3. **Debugging and Validation:** Knowledge to troubleshoot HTML, CSS, and JavaScript; additionally, use tools such as the W3C Validator to make sure the code is error-free and compliant with web standards.
4. **Project management:** The ability to plan, manage your time effectively, and fulfill deadlines are essential for any development project.

The difficulties I encountered with the project.

When working on the chatbot feature for the project, I encountered several challenges that tested both my technical skills and problem-solving abilities. These difficulties provided valuable learning experiences and highlighted areas for future growth and development. Creating a chatbot that was both intelligent and responsive required a thorough understanding of natural language processing (NLP) principles as well as the use of APIs. It took a lot of testing and fine-tuning to create responses that sounded genuine and added value for the user.