

Week 6 – Designing Dynamic Web Applications

Opening Note

This document provides a structured account of the learning activities undertaken during the specified week of the Web Technologies module. It outlines the practical tasks completed, the technical and conceptual challenges encountered, and the key learning outcomes achieved. The purpose of this reflective summary is to demonstrate progressive skill development in web design and development, as well as critical engagement with the underlying principles of modern web technologies. The reflections are grounded in practical implementation and aligned with the module learning outcomes.

What was done

An interactive web application was implemented using JavaScript, incorporating client-side validation and asynchronous content updates to simulate client–server interaction.

Challenges faced

Managing asynchronous logic and handling browser security restrictions during local testing presented challenges.

Learning outcomes

The task enhanced understanding of event-driven programming, asynchronous processing, and dynamic user interface behaviour.