Week 6 – Secure Registration and Validation

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

A secure registration system was designed with emphasis on password strength, validation rules, and user consent. Security weaknesses in basic registration systems were critically analysed.

Challenges faced

Balancing usability with strong security constraints required careful design of validation feedback.

Learning outcomes

The week improved awareness of authentication risks, secure data handling, and privacy-by-design principles.