* **LESSON 6 HANDS-ON PRACTICE: STYLING YOUR WEB PAGE**
* **Course Overview:**

In this course, you will learn how to style your web pages using CSS (Cascading Style Sheets) while keeping cybersecurity best practices in mind. You'll understand how styling affects not just the visual appearance, but also the security of your web applications.

* **Learning Objectives:**
* Understand the basics of CSS and its role in web development.
* Learn how to style HTML elements to create visually appealing web pages.
* Explore techniques to enhance web page security through proper styling practices.
* Gain hands-on experience in implementing security-focused styling strategies.

**Course Outline:**

* **Introduction to CSS:**
  + Overview of Cascading Style Sheets (CSS).
  + Importance of CSS in web development.
  + Basic syntax and structure of CSS.
* **Styling HTML Elements:**
  + Selectors and properties.
  + Text styling (fonts, colors, sizes).
  + Box model (margins, padding, borders).
* **Layouts and Positioning:**
  + Positioning schemes (static, relative, absolute, fixed).
  + Flexbox and Grid layout systems.
* **Responsive Design:**
  + Media queries for responsive styling.
  + Fluid layouts vs. fixed layouts.
* **Security Considerations in Styling:**
  + Cross-Site Scripting (XSS) vulnerabilities related to CSS.
  + Importance of Content Security Policy (CSP).
  + Sanitizing user inputs in CSS.
* **Best Practices for Secure Styling:**
  + Minimizing the use of inline styles.
  + Avoiding CSS injection attacks.
  + Using secure CDNs for CSS libraries.
* **Hands-on Exercises:**
  + Implementing basic CSS styles on a sample web page.
  + Applying responsive design techniques.
  + Identifying and fixing security vulnerabilities in CSS.
* **Project: Secure Web Page Styling:**
  + Students will work on a project to style a web page while ensuring it adheres to security best practices.
  + Emphasis on implementing responsive design and mitigating potential security risks.
* **Conclusion:**

In conclusion, this course will equip you with the knowledge and skills to style web pages effectively while prioritizing cybersecurity. By understanding the potential security implications of CSS and adopting best practices, you'll be better prepared to create secure and visually appealing web applications.