

CyberSafeGuard: a beginner-friendly website created to help users understand essential cybersecurity topics.

Website Link: <https://cybersafeguard.netlify.app/>

Fall 2025 Capstone II Project

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Overview

Purpose: Provide interactive modules, quizzes, and resources to teach cybersecurity fundamentals in a clear, engaging way.

Audience: Students, professionals, and enthusiasts seeking practical cybersecurity knowledge.

Core Features:

Modular lessons (e.g., Cybersecurity Fundamentals, Passwords & Authentication).

Pre-lesson intro videos for context and motivation.

Quizzes and practice zones for reinforcement.

Neon-dark themed UI for modern, immersive learning.

News ticker and feed for daily cybersecurity updates.

2. Technology Stack

Frontend:

HTML5, CSS3 (custom neon-dark theme), JavaScript (interactive modules, animations).

Grid and Flexbox layouts for responsive design.

Tools:

Video scripts and modules authored in structured markdown/HTML.

3. UI/UX Design

Theme: Neon-dark palette (#06061a background, cyan highlights #0bdcd1).

Layout:

Modular grid for lessons.

Flexbox for horizontal flow in news feed.

Components:

News Section: Compact cards with hover effects.

Lesson Modules: Title, intro video, content, quiz.

Practice Zone: Interactive quizzes styled with neon accents.

Accessibility:

High contrast text.

Responsive design for mobile and desktop.

4. Content Structure

Modules:

Module 1: Cybersecurity Fundamentals

Module 2: Passwords & Authentication

Module 3: Network Security Fundamentals

Module 4: Phishing & Social Engineering

Module 5: Malware Types

Lesson Flow:

Short intro video → Detailed lesson content → Quiz/practice → Complete

Supporting Content:

Cybersecurity news

5. Development Notes

CSS Adjustments:

Compact card design with hover transitions.

Flexbox for description + metadata alignment.

JavaScript Enhancements:

News ticker scrolling.

Quiz logic with feedback.

Video embedding and autoplay for intros.

File Structure

^a about.css

^a about.html

a index.html

a quiz.css

a structure.txt

a styles.css

a

+---.vscode

a launch.json

a

+---images

a background.jpg

a background.webp

a logo.png

a module1card.jpg

a module2card.webp

a module3card.jpg

a module4card.jpg

a module5card.jpg

a

+---modules

a module1.css

a module1.html

a module2.css

a module2.html

a module3.css

a module3.html

a module4.css

a module4.html

a module5.css

a module5.html

a

+---quizbank

a module1-quiz.json

a module2-quiz.json

a module3-quiz.json

a module4-quiz.json

a module5-quiz.json

a securityplus.json

a

+---scripts

a navigation.js

a quiz.js

a securityplus.js

a tips.js

a

+---sounds

a Celebration.mp3

a Correct Sound.mp3

a

+---videos

Module1.mp4

Module2.mp4

Module3.mp4

Module4.mp4

Module5.mp4