Scope of Work

Project Name	Project Manager
Cybersecurity Portfolio/Resource Website	**Michael Machin**

Project Goals and Objectives	The primary goal of this cybersecurity portfolio is to educate visitors on key security practices, techniques, and tools used to protect systems and data. Through various projects and resources, users will learn about identifying and mitigating vulnerabilities, conducting threat analysis, and implementing effective cybersecurity measures. This portfolio serves as both a learning hub and a showcase of practical cybersecurity applications. **Project Goal 1: Portfolio Page** • Navigation bar • Project card format • Download links **Project Goal 2: Library Page** • Navigation bar • Library item card format • Fill in a few library cards

Scope of Work Description	The scope of this cybersecurity portfolio website is to create an educational platform that provides visitors with valuable insights into key cybersecurity concepts, tools, and techniques. The website will showcase real-world projects, offer downloadable resources like guides and tutorials, and include interactive features to enhance learning. The project team will be responsible for creating clear, accessible content, designing a user-friendly, responsive website, and testing for optimal functionality across devices. The goal is to provide a comprehensive resource hub that educates users on cybersecurity best practices and practical applications.

Project Exclusions	The project exclusions for this cybersecurity portfolio website include advanced cybersecurity certifications or in-depth training courses, as the focus is on providing introductory and intermediate educational content. Additionally, tasks such as offering live security consulting, handling user data storage, or implementing complex security measures like real-time

	intrusion detection are not part of this project. The website will not include e-commerce features or interactive simulations beyond basic tutorials and demonstrations. Technical support for users outside of the website's intended educational scope is also excluded from the project.

Resource Requirements	**Web Development Tools:** • Text editor (e.g., Visual Studio Code, Sublime Text) • Basic knowledge of HTML, CSS, and JavaScript **Hosting & Domain:** • Local environment for self-hosting on your machine **Design Tools:** • Basic graphic design software for images or simple icons **Cybersecurity Resources:** • Local access to cybersecurity tools (Kali Linux, VirtualBox) **Testing Tools:** • Browser for testing (Chrome, Firefox) • Developer tools in the browser (for debugging) **Local Storage:** • Space to store project files, resources, and PDFs on local system

Project Deliverables	**Website Development:** • HTML/CSS/JavaScript Code: The core files required to build the website. • Responsive Web Pages: The main portfolio and library sections, including content such as educational materials, project descriptions, and downloadable resources. **Content Creation:** • Cybersecurity Educational Material: Written content, tutorials, and guides explaining various cybersecurity concepts. • Project Showcases: Detailed descriptions and visual presentations of cybersecurity projects with downloadable documentation. **Interactive Elements:** • Functional features such as image previews, download buttons, and interactive sections for users to explore. **Final Website:** • A fully functional, self-hosted website with all educational content, resources, and project showcases.

Project Timeline	**Week 1-2: Project Planning & Research** Task 1: Define project scope and objectives Task 2: Research cybersecurity topics & resources for educational content Task 3: Create initial wireframes and design mockups for website layout **Week 3-4: Website Design and Setup** Task 4: Set up local development environment Task 5: Design and develop homepage and basic site navigation Task 6: Begin content creation (project descriptions, educational materials) **Week 5-6: Front-End Development** Task 7: Develop portfolio section (project showcases, downloadable files) Task 8: Create library section (PDF resources, preview images) Task 9: Implement site styling with CSS (responsive design) **Week 7-8: Back-End and Functionality** Task 10: Ensure all download links and interactive elements work correctly Task 11: Test and debug website functionality (links, buttons, downloads) **Week 9-10: Content Refinement & Integration** Task 12: Finalize educational content for all projects and resources Task 13: Integrate content into website (add project descriptions, guides) Task 14: Add final touches to visual elements (images, graphics, videos) **Week 11-12: Testing & Debugging** Task 15: Conduct cross-browser testing (Chrome, Firefox, Edge, etc.) Task 16: Perform usability testing (on different screen sizes) Task 17: Debug and optimize website for performance **Week 13-15: Final Review & Adjustments** Task 20: Final review of the website Task 21: Compile project documentation Task 22: Submit the final website and deliverables

Project Costs	**Hosting and Domain Fees:** Typical Costs: Hosting services typically range from $5 to $30 per month, with domain registration costs between $10 and $20 annually. Actual Cost for This Project: This project was hosted locally without incurring any external hosting or domain registration fees. **Software and Tool Licenses:** Typical Costs: Software licenses for tools such as graphic design programs or advanced cybersecurity tools could range from $50 to $1,000 annually. Actual Cost for This Project: Free, open-source tools (e.g., Visual Studio Code, GIMP) were used for development and design, so no paid licenses were required.

	Design and Content Creation Resources: Typical Costs: Premium design resources, stock images, and professional templates can cost between $10 and $200 per asset. Actual Cost for This Project: Free resources were used for images, icons, and design elements, with no costs involved in acquiring additional assets. **Development Time:** Typical Costs: Web development and design services typically cost anywhere from $25 to $100 per hour, depending on the developer's expertise. Actual Cost for This Project: All work was done personally without the need for outsourced developers or additional paid labor. **Maintenance and Updates:** Typical Costs: Ongoing maintenance for security patches and updates can cost between $100 and $500 annually if outsourced. Actual Cost for This Project: Maintenance and updates are done personally at no additional cost, ensuring that the site remains current and secure without external fees. **Testing:** Typical Costs: Professional testing and optimization services, including cross-browser testing, typically range from $50 to $150 per hour. Actual Cost for This Project: Testing was performed independently using free tools and browser developer tools, so no external services were needed.

Communication Plan	The communication objectives of this project aim to keep stakeholders informed and manage expectations effectively. Regular monthly updates will be provided detailing the progress and milestones. Any issues or challenges will be addressed immediately through email or virtual meetings. Feedback will be gathered at key stages to ensure the website meets expectations, and a final report will be shared at the project's completion. Communication will occur primarily through email, online project management tools, and virtual meetings, ensuring transparency and alignment throughout the development process.