



Product Requirements & Specification Document

Project Name

SafeNet - Security Awareness Portal UI

Description

SafeNet is a web-based portal designed to educate users on web security best practices. The portal features interactive guides, quizzes, and a responsive UI. Built with React, TypeScript, and Tailwind CSS, SafeNet targets users seeking to improve their security awareness through engaging, research-backed content.

1. Goals & Objectives

Goal	Description
User Education	Provide accessible, up-to-date web security knowledge
Engagement	Increase user interaction via interactive guides and quizzes
Responsive Design	Ensure usability across devices (desktop, tablet, mobile)
Modern UI/UX	Deliver a clean, intuitive, and visually appealing interface

2. Core Features

Feature	Description
Dashboard	Overview of user progress, recent activity, and recommended modules
Interactive Guides	Step-by-step tutorials on security topics with visuals and code snippets
Quizzes	Multiple-choice quizzes with instant feedback and scoring
Progress Tracking	Visual indicators of completed modules and quiz performance
Responsive Layout	Adaptive UI for various screen sizes using Tailwind CSS
Search & Filter	Search bar and filters for finding guides and quizzes
Accessibility	WCAG 2.1 AA compliance for all interactive elements

3. User Stories

As a...	I want to...	So that...
New User	Browse available security guides	I can learn about web security topics
Learner	Take quizzes after guides	I can test my understanding



Returning User	Track my progress	I can see what I've completed
Researcher	Search for specific topics	I can quickly find relevant information

4. Technical Specifications

4.1 Stack

Layer	Technology
Frontend	React, TypeScript
Styling	Tailwind CSS
Markup	HTML5
State Mgmt	React Context/Redux (TBD)
Routing	React Router

4.2 UI Components

- **Header & Navigation:** Logo, navigation links, user profile
- **Dashboard:** Progress summary, recommended content
- **Guide Viewer:** Step navigation, code blocks, images
- **Quiz Module:** Question display, answer selection, feedback
- **Search/Filter Bar:** Input field, filter chips
- **Progress Indicators:** Badges, progress bars
- **Footer:** Links, copyright

4.3 Accessibility

- Keyboard navigation for all interactive elements
- Sufficient color contrast
- ARIA labels and roles

5. Functional Requirements

ID	Requirement
FR1	Display a dashboard with user progress and recommended modules
FR2	List and display interactive guides with step navigation
FR3	Present quizzes with instant feedback and scoring
FR4	Track and visually indicate completed guides and quizzes
FR5	Implement responsive layouts for all screens
FR6	Provide search and filter functionality for guides and quizzes
FR7	Ensure accessibility compliance (WCAG 2.1 AA)



6. Non-Functional Requirements

ID	Requirement
NFR1	Fast load times (<2s for main views)
NFR2	Mobile-first responsive design
NFR3	Codebase in TypeScript
NFR4	Consistent UI using Tailwind CSS
NFR5	Modular, reusable React components

7. Wireframe Overview

```
[Header] [Logo] [Nav Links] [Profile]
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[Dashboard]
  - Progress Bar
  - Recommended Guides
  - Recent Activity

[Guides List] [Search/Filter]
  - Guide Card (Title, Summary, Start)

[Guide Viewer]
  - Step Navigation
  - Content (Text, Code, Images)

[Quiz Module]
  - Question
  - Answer Options
  - Feedback

[Footer]
```

8. Acceptance Criteria

Feature	Criteria
Dashboard	Displays user progress and recommended modules
Guides	Interactive, step-based, with visuals and code
Quizzes	Multiple-choice, instant feedback, score shown
Responsiveness	Fully functional on mobile, tablet, desktop
Accessibility	All interactive elements accessible via keyboard and screen readers
Search/Filter	Returns relevant guides/quizzes based on input



9. Out of Scope

- Backend user authentication and data persistence
 - Content authoring tools
 - Advanced gamification (badges, leaderboards)
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10. Milestones

Milestone	Description	Target Date
UI Component Library	Core reusable components	Week 1
Dashboard & Navigation	Layout, routing, progress display	Week 2
Guides & Quizzes	Interactive modules	Week 3
Responsiveness & A11y	Mobile support, accessibility	Week 4
Final QA & Handover	Testing, documentation	Week 5

11. Appendix

- **References:** OWASP, NIST Security Guidelines
 - **Design System:** Tailwind CSS utility classes
 - **Repository:** [TBD]
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End of Document