

Software Requirements Specification

for

“portfolio”

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Introduction

The purpose of this document is to outline the requirements for a professional portfolio website that showcases the owner's work, skills, and experience. The website will be built using HTML, CSS, and JavaScript and must meet the highest standards of quality, performance, and accessibility.

Functional Requirements

2.1 Home Page

The home page will serve as the main entry point of the website. It will contain the following elements:

A header section with the owner's name, logo, and navigation links to other pages.

A hero section with a background image or video, a welcome message, and a call to action button.

A section displaying the owner's skills, presented as icons or badges.

A section showcasing the owner's latest projects, displayed as thumbnails or cards with brief descriptions and links to project pages.

2.2 About Page

The about page will provide more information about the owner's background, education, and experience. It will contain the following elements:

A header section with a navigation link to the home page.

A hero section with a background image or video, the owner's photo, and a brief introduction.

A section displaying the owner's education, presented as a timeline with details.

A section displaying the owner's experience, presented as a timeline with details.

A section displaying the owner's awards, certificates, and achievements, represented as badges or icons.

2.3 Projects Page

The projects page will showcase the owner's work in more detail. It will contain the following elements:

A header section with a navigation link to the home page.

A hero section with a background image or video, a title, and a brief description.

A section displaying the owner's projects, presented as cards with images, titles, descriptions, and links to live demos or GitHub repositories.

A filtering mechanism to filter projects by category, technology, or date.

2.4 Contact Page

The contact page will enable visitors to contact the owner. It will contain the following elements:

A header section with a navigation link to the home page.

A hero section with a background image or video, a title, and a contact form.

The contact form will include fields for name, email, subject, and message.

A button to submit the form and send an email to the owner's email address.

Non-functional Requirements

3.1 Performance

The website shall load quickly and be optimized for performance. The website shall have a PageSpeed score of at least 90.

3.2 Accessibility

The website shall be accessible to people with disabilities. The website shall comply with the WCAG 2.1 AA accessibility guidelines.

3.3 Security

The website shall be secure and protect user data. The website shall use HTTPS and encrypt all communication.

3.4 Compatibility

The website shall be compatible with modern web browsers, including Chrome, Firefox, Safari, and Edge.

3.5 Responsiveness

The website shall be responsive and display correctly on different devices, including desktops, laptops, tablets, and smartphones.

Assumptions and Dependencies

The website shall be hosted on a web server that supports PHP and MySQL. The website shall use third-party libraries and frameworks, such as Bootstrap and jQuery, to speed up development and improve the user interface.

Acceptance Criteria

The website shall be tested using automated tests and manual tests. The website shall meet all the functional and non-functional requirements specified in this document. The website shall be approved by the owner before deployment.

That's the end of the professional SRS for a portfolio website using HTML, CSS, and JavaScript.