

## Project Documentation

### Personal Portfolio Website (HTML)

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#### **1 Project Overview**

##### Project Title

##### **Personal Portfolio Website**

##### Project Objective

The objective of this project is to design and develop a simple personal portfolio website using HTML5.

This project helps beginners understand how web pages are structured and how HTML elements work together to create a complete website.

##### Goals

- Learn basic HTML concepts
  - Understand semantic HTML structure
  - Create multiple sections (About, Skills, Contact)
  - Build a functional contact form
  - Practice organizing files for a real project
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#### **2 HTML Concepts Learned**

During this project, the following HTML concepts were learned and implemented:

- ◇ HTML Basics
  - HTML (HyperText Markup Language) is used to structure web pages.
  - HTML uses tags and elements to display content in the browser.
- ◇ HTML Document Structure
  - `<!DOCTYPE html>` defines HTML5
  - `<html>` is the root element
  - `<head>` contains metadata like title and viewport
  - `<body>` contains all visible content
- ◇ Semantic HTML

Semantic tags were used to improve readability and structure:

- `<header>` – Website title and navigation
  - `<nav>` – Navigation links
  - `<main>` – Main content area
  - `<section>` – About, Skills, Contact sections
  - `<footer>` – Copyright information
  - ◇ Forms and Inputs
    - `<form>`, `<input>`, `<textarea>`, `<button>`
    - required attribute for validation
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#### **3 Portfolio Structure Explanation**

The portfolio website is divided into the following sections:

##### Header Section

- Displays the name
- Contains navigation links
- Allows internal navigation using anchor tags

##### About Section

- Personal introduction
- Profile image with alt text
- Paragraph describing interests and learning goals

##### Skills Section

- List of technical skills

- Implemented using unordered lists (<ul>)

#### ✂ Contact Section

- Contact form with Name, Email, and Message fields
- Uses HTML validation

#### ✂ Footer Section

- Displays copyright information

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### 📁 Setup and Installation Instructions

#### ✂ Requirements

- Any modern web browser (Chrome, Edge, Firefox)
- VS Code or any text editor

#### ⚙ Installation Steps

1. Install VS Code
2. Create a project folder
3. Create index.html
4. Create an images folder
5. Add profile image inside images
6. Open index.html in browser

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### 📁 Code Structure Explanation

#### 📁 Folder Structure

```
portfolio-website/  
├── index.html  
├── README.md  
├── requirements.txt  
├── images/  
│   └── loki.jpg
```

#### 🧠 Code Organization

- HTML code is clean and readable
- Semantic tags are used
- Each section is clearly separated
- Internal navigation links connect sections

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### 📋 Technical Requirements – How They Were Met

Requirement	Implementation
HTML5 structure	Used <!DOCTYPE html> and semantic tags
Multiple sections	About, Skills, Contact sections created
Semantic HTML	header, nav, main, section, footer used
Contact form	Form with validation implemented
Images	Profile image with alt text added
Internal navigation	Anchor links used

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### 📌 Learning Outcome

This project helped me:

- Understand HTML fundamentals
  - Learn semantic web design
  - Build a complete beginner-level website
  - Prepare for CSS and JavaScript learning
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## Author

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