

website-maintenance-guide

Portfolio Website Maintenance Guide

Hello Rumesh! This guide will help you maintain and update your portfolio website. I've broken everything down into clear, step-by-step instructions that should be easy to follow even as a beginner.

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Understanding Your Website Structure

Your website consists of several HTML files, each representing a different page:

- `index.html` - Your main homepage
- `project-banking-system.html` - An example project detail page
- `article-ai-impact.html` - An example blog article page
- `all-projects.html` - The gallery of all your projects
- `all-articles.html` - The listing of all your blog posts

Each page uses a similar structure:

- Header with navigation
- Content section(s) specific to that page
- Footer with contact information and links

Your files are connected by links and share common styles and scripts defined in the `<head>` section of each HTML file.

Basic HTML Concepts for Editing

Before making changes, it's helpful to understand some basic HTML concepts:

HTML Tags

HTML uses tags to define elements. Tags come in pairs with an opening and closing tag:

```
<div>This is a div element</div>
```

Important HTML Elements in Your Site

- `<div>`: Container element, used to group content
- `<section>`: Represents a section of content
- `<h1>`, `<h2>`, etc.: Headings of different levels
- `<p>`: Paragraph text
- ``: Links to other pages
- ``: Images
- `` and ``: Unordered list and list items

CSS Classes

Your site uses Tailwind CSS, where styles are applied using class names:

```
<div class="glass rounded-2xl p-8">
```

In this example:

- `glass` is a custom class you created
- `rounded-2xl` makes corners rounded
- `p-8` adds padding around the content

Adding New Projects

To add a new project to your portfolio, follow these steps:

1. Create a New Project Detail Page

1. **Copy an existing project file** (like `project-banking-system.html`) and rename it for your new project (e.g., `project-new-name.html`).
2. **Edit the page title and meta description:**

```
<title>New Project Name | Rumesh Chathuranga</title>  
<meta name="description" content="Description of your new project">
```

3. **Update project header information:**

```

<!-- Project Header -->
<section class="py-10 relative">
  <div class="container mx-auto px-6">
    <div class="flex flex-col md:flex-row justify-between gap-8">
      <div class="md:w-7/12">
        <div class="inline-block px-4 py-2 mb-4 text-xs font-medium
text-primary-400 bg-primary-700 bg-opacity-20 rounded-full">
          Project Category
        </div>
        <h1 class="text-4xl md:text-5xl font-display font-bold
leading-tight mb-6">
          Your New <span class="text-gradient">Project Name</span>
        </h1>
        <!-- Update tags -->
        <div class="flex flex-wrap gap-3 mb-8">
          <span class="px-4 py-2 bg-primary-900 bg-opacity-30
text-primary-300 rounded-full text-sm">Tag 1</span>
          <span class="px-4 py-2 bg-primary-900 bg-opacity-30
text-primary-300 rounded-full text-sm">Tag 2</span>
        </div>
      </div>

      <!-- Update project overview -->
      <div class="md:w-5/12 flex flex-col md:items-end">
        <div class="glass rounded-xl p-6 w-full">
          <h3 class="text-xl font-semibold mb-4">Project
Overview</h3>

          <div class="grid grid-cols-1 sm:grid-cols-2 gap-6">
            <div>
              <p class="text-sm text-gray-400 mb-1">Client</p>
              <p class="font-medium">Client Name</p>
            </div>
            <div>
              <p class="text-sm text-gray-400 mb-
1">Timeline</p>

              <p class="font-medium">Date Range</p>
            </div>
            <div>
              <p class="text-sm text-gray-400 mb-1">Role</p>
              <p class="font-medium">Your Role</p>
            </div>
            <div>
              <p class="text-sm text-gray-400 mb-

```

```
1">Location</p>  
    <p class="font-medium">Location</p>  
  </div>  
</div>  
</div>  
</div>  
</div>  
</div>  
</section>
```

4. Update the project content sections with your new project's details:

- Project description
- The challenge
- The solution
- Development process
- Results and impact
- Technologies used
- Your role

5. Update images by changing the image paths:

```

```

2. Add Project to All Projects Page

1. Open `all-projects.html`
2. Find the projects grid:

```
<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-8">
  <!-- Project items are here -->
</div>
```

3. Add your new project item:

```
<!-- New Project -->
<div class="glass rounded-2xl overflow-hidden hover:border-primary-700
transition-all duration-300 transform hover:-translate-y-2" data-
category="your-category">
  <div class="relative h-48 overflow-hidden">
    
    <div class="absolute inset-0 bg-gradient-to-t from-dark-900 to-
transparent opacity-60"></div>
```

```

</div>
<div class="p-6">
  <h4 class="text-xl font-semibold mb-2">Your Project Name</h4>
  <p class="text-gray-400 mb-4">
    Brief description of your project, highlighting key aspects and
technologies used.
  </p>
  <div class="mb-5 flex flex-wrap gap-2">
    <span class="px-3 py-1 bg-primary-900 bg-opacity-30 text-
primary-300 rounded-full text-xs">Tag 1</span>
    <span class="px-3 py-1 bg-primary-900 bg-opacity-30 text-
primary-300 rounded-full text-xs">Tag 2</span>
    <span class="px-3 py-1 bg-primary-900 bg-opacity-30 text-
primary-300 rounded-full text-xs">Tag 3</span>
  </div>
  <div class="pt-4 border-t border-gray-800 flex justify-between
items-center">
    <a href="project-new-name.html" class="text-primary-400
hover:text-primary-300 flex items-center gap-2 text-sm font-medium
transition-colors">
      <span>View Project</span>
      <i class="fas fa-arrow-right"></i>
    </a>
    <div class="flex space-x-3">
      <a href="#" class="text-gray-400 hover:text-primary-400
transition-colors">
        <i class="fab fa-github"></i>
      </a>
      <a href="#" class="text-gray-400 hover:text-primary-400
transition-colors">
        <i class="fas fa-external-link-alt"></i>
      </a>
    </div>
  </div>
</div>
</div>

```

4. Update the category filters if you're adding a new category:

```

<button class="filter-btn px-5 py-2 rounded-full bg-transparent border
border-gray-700 text-gray-400 text-sm transition-all duration-300
hover:border-primary-700 hover:text-primary-400">

```

```
    Your New Category
</button>
```

Updating Existing Projects

To update an existing project:

1. **Locate the project file** (e.g., `project-banking-system.html`)
2. **Identify the sections you want to update.** Look for the corresponding section tags and content:

```
<section class="py-16 relative">
  <div class="container mx-auto px-6">
    <!-- Content you want to update -->
  </div>
</section>
```

3. **Make your changes to the content**, updating text, images, links, etc.
4. **If you're updating information that appears on the All Projects page**, make sure to update the corresponding entry there too.

Adding New Blog Articles

Similar to adding projects, follow these steps:

1. Create a New Article Page

1. **Copy an existing article file** (like `article-ai-impact.html`) and rename it for your new article.
2. **Update the article header information:**

```
<title>New Article Title | Rumesh Chathuranga</title>
<meta name="description" content="Description of your new article">
```

3. Update the article content:

- Title
- Date
- Category
- Read time
- Content sections
- Images
- Tags

2. Add to All Articles Page

1. **Open** `all-articles.html`

2. Find the articles grid and add your new article:

```
<!-- New Article -->
<div class="glass rounded-2xl overflow-hidden hover:border-primary-700
transition-all duration-300 transform hover:-translate-y-2" data-
category="your-category">
  <div class="relative h-48 overflow-hidden">
    
    <div class="absolute inset-0 bg-gradient-to-t from-dark-900 to-
transparent opacity-60"></div>
    <div class="absolute top-4 left-4">
      <span class="px-3 py-1 bg-primary-700 text-white rounded-full
text-xs">Category</span>
    </div>
  </div>
  <div class="p-6">
    <div class="flex items-center text-sm text-gray-400 mb-3">
      <span><i class="far fa-calendar-alt mr-2"></i>Date</span>
      <span class="mx-2">•</span>
      <span><i class="far fa-clock mr-2"></i>Read time</span>
    </div>
    <h4 class="text-xl font-semibold mb-3">Your Article Title</h4>
    <p class="text-gray-400 mb-4">
      Brief description of your article.
    </p>
    <a href="article-new-name.html" class="text-primary-400 hover:text-
primary-300 flex items-center gap-2 text-sm font-medium transition-colors
mt-4">
      <span>Read More</span>
      <i class="fas fa-arrow-right"></i>
    </a>
  </div>
</div>
```

Removing Content

To remove a project or article:

1. **Delete the individual page file** if you no longer want that project or article.
2. **Remove the corresponding item** from the All Projects or All Articles page.
3. **Update any links** on other pages that might point to the removed content.

Updating Links and Navigation

If you add or remove pages, you might need to update navigation links:

1. **Find the navigation section** in each HTML file:

```
<!-- Desktop Navigation -->
<ul class="hidden md:flex items-center space-x-8">
  <li><a href="index.html#home" class="nav-link text-sm font-medium text-gray-300 hover:text-primary-400 transition-colors duration-300">Home</a>
</li>
  <!-- Other navigation items -->
</ul>

<!-- Also update Mobile Navigation Menu -->
<ul class="flex flex-col items-center space-y-6">
  <li><a href="index.html#home" class="mobile-nav-link text-xl font-display font-medium text-white">Home</a></li>
  <!-- Other navigation items -->
</ul>
```

2. **Update, add, or remove links** as needed.
3. **Remember to update navigation on ALL pages** to maintain consistency.

Image Management

For adding or updating images:

1. **Save your images** in the `assets/images/` directory.
2. **Use descriptive file names** without spaces (use hyphens instead).
3. **Update image paths** in your HTML:

```

```

4. **Optimize images before uploading** to keep your site fast:
 - Resize images to the appropriate dimensions
 - Compress images to reduce file size
 - Use JPG for photos and PNG for graphics with transparency

Common Issues and Solutions

Broken Links

If a link doesn't work:

1. Check the `href` attribute path
2. Verify the file exists at that location
3. Ensure filename case matches exactly (e.g., "Project.html" is different from "project.html")

Images Not Displaying

If images don't show:

1. Check the `src` attribute path
2. Verify the image file exists at that location
3. Ensure filename case matches exactly

Layout Problems

If the layout breaks:

1. Check for missing closing tags (`</div>`, `</section>`, etc.)
2. Verify CSS classes are correct
3. View the page on different screen sizes to check responsiveness

Resources for Learning More

If you want to learn more about web development:

- **HTML/CSS Basics:**
 - [MDN Web Docs](#)
 - [W3Schools HTML Tutorial](#)
 - [FreeCodeCamp HTML & CSS](#)
- **Tailwind CSS** (which your site uses):
 - [Tailwind CSS Documentation](#)
 - [Tailwind CSS Cheat Sheet](#)
- **JavaScript Basics** (for understanding the interactive elements):
 - [JavaScript.info](#)
 - [W3Schools JavaScript Tutorial](#)
- **Web Editing Tools:**
 - [Visual Studio Code](#) (free code editor)
 - [GitHub Desktop](#) (if you're using GitHub to host your site)

I hope this guide helps you maintain and update your portfolio website! Remember that web development is a learning process, and it's okay to make mistakes along the way. Just make sure to

back up your files before making major changes, so you can always restore a working version if needed.

Feel free to refer back to this guide whenever you need to make updates to your site. Good luck with your portfolio!