

Week 4 – Complete Web Development Project Documentation

1. Project Overview

This project is a Complete Business Website developed as part of Week 4 of the Web Development Internship.

The project demonstrates end-to-end website development including planning, design, development, responsiveness, testing, and deployment using HTML, CSS, and JavaScript.

2. Project Objectives

- Build a multi-page professional website
 - Implement fully responsive design
 - Add JavaScript-based form validation
 - Ensure smooth navigation between pages
 - Optimize performance and assets
 - Deploy the website using a free hosting platform
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3. Setup and Installation Instructions

1. Clone or download the GitHub repository
 2. Open the project folder in Visual Studio Code
 3. Ensure the following structure exists:
 4. index.html
 5. about.html
 6. contact.html
 7. css/
 8. js/
 9. images/
 10. README.md
 11. Install Live Server extension in VS Code
 12. Right-click index.html → Open with Live Server
 13. The website will open in the browser
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4. Code Structure Explanation

- index.html – Home page with hero section and navigation
- about.html – About page with business and team information
- contact.html – Contact form with validation
- css/style.css – Styling and responsive design
- js/script.js – JavaScript logic and form validation

- images/ – Optimized images used in the project
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5. Design Decisions

- Used semantic HTML5 for accessibility and SEO
 - Followed mobile-first responsive design
 - Used CSS Flexbox & media queries
 - Clean, professional color scheme
 - Simple navigation for better UX
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6. Features Implemented

- Multi-page website (Home, About, Contact)
 - Responsive layout for mobile, tablet, desktop
 - Contact form with validation
 - Navigation between pages
 - Optimized images
 - Deployment-ready structure
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7. Technical Details

- HTML: Semantic elements (header, nav, section, footer)
 - CSS: Flexbox, media queries, hover effects
 - JavaScript:
 - Form input validation
 - Conditional logic
 - DOM manipulation
 - Architecture: Static multi-page website
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8. Form Validation Logic

- Checks for empty fields
 - Validates email format
 - Displays error messages
 - Shows success message on valid submission
 - Prevents form submission if validation fails
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9. Visual Documentation

Screenshots included:

- Home Page
 - About Page
 - Contact Page
 - Responsive Mobile View
 - Form Validation (error & success)
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10. Testing Evidence

- Tested on Chrome, Edge, Firefox
 - Verified responsiveness on mobile & desktop
 - Checked navigation links
 - Tested invalid and valid form inputs
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11. Quality Standards Checklist

- ✓ Project overview and objectives
 - ✓ Setup instructions
 - ✓ Organized code structure
 - ✓ Responsive design
 - ✓ JavaScript interactivity
 - ✓ Form validation
 - ✓ Testing evidence
 - ✓ Deployment ready
-

12. GitHub Structure (Mandatory)

index.html
about.html
contact.html
css/
js/
README.md

SCREENSHOTS

HOME

The screenshot shows a web browser window displaying the homepage of 'Pro Services Development'. The header features a stylized red and blue digital brain logo with the text 'PRO SERVICES' and 'DEVELOPMENT' below it. A navigation menu at the top includes links for Home, About, Services, and Contact. The main content area is titled 'Professional Services for Your Business' and contains a brief description: 'We provide innovative solutions to help your business grow.' Below this is a 'Get Started' button. A section titled 'Our Services' is shown with a background image of a person's hands interacting with glowing blue gears and icons. The browser taskbar at the bottom shows other open tabs and system status.

Consulting

Expert advice to enhance your business performance.



Marketing

Boost your brand with our marketing strategies.



Development

Custom solutions to streamline your processes.

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ABOUT

A screenshot of a Microsoft Edge browser window. The address bar shows the URL 'C:/Users/lokes/Desktop/DevelopersArena/week4/about.html'. The page content includes a logo with a red brain icon and the text 'PRO SERVICES DEVELOPMENT'. A navigation menu on the left lists 'Home', 'About', 'Services', and 'Contact'. The main section is titled 'About ProServ' with the subtext 'We are a team of dedicated professionals providing high-quality business services. Our goal is to empower companies with innovative solutions and excellent support.' Below this is a colorful graphic of stylized human figures in green, blue, yellow, and orange. At the bottom, there's a bio for 'John Doe' as Founder & CEO, and a copyright notice for '© 2026 ProServ | All rights reserved'. The system tray at the bottom right shows the date as 04-01-2026.



- [Home](#)
- [About](#)
- [Services](#)
- [Contact](#)

Our Services

Consulting

Detailed consulting services tailored to your business needs.

Marketing

Strategic marketing solutions for brand growth.

Development

Custom software and business solutions to streamline operations.

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CONTACT US

The screenshot shows a web browser window with four tabs open:

- takeuforward - Best Coding Tutorials
- jstutorial.html
- JavaScript Uncaught TypeError
- Contact Us - ProServ

The main content area displays a logo featuring a stylized human head with internal circuitry and the text "PRO SERVICES DEVELOPMENT". Below the logo is a navigation menu with links to Home, About, Services, and Contact.

Contact Us

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