# Blog Website Project Documentation

## Project Overview

This project is a responsive multi-page blog website that demonstrates skills in HTML5, CSS3, and JavaScript. The website consists of three main pages:

1. **Home Page (index.html)**: Features a hero section, featured posts, newsletter signup, and trending topics
2. **About/Contact Page (about.html)**: Includes information about the website and team
3. **Contact Page(contact.hml):** Includes a contact form

## Technologies Used

* **HTML5**: Semantic markup for structure
* **CSS3**: Modern styling with responsive design
* **JavaScript**: Client-side validation and interactivity

## Features

### Responsive Design

* Mobile-first approach
* Flexible layouts that adapt to various screen sizes
* Responsive navigation with hamburger menu for smaller screens

### Semantic HTML5 Structure

* Proper use of semantic tags (header, footer, section, nav, etc.)
* Accessible form elements with labels
* Proper document structure

### CSS Features

* Custom properties (CSS variables) for consistent theming
* Flexbox and CSS Grid for layouts
* Transitions and animations for enhanced user experience
* Media queries for responsive design

### JavaScript Functionality

* Mobile navigation toggle
* Form validation with error messages
* Animated elements on scroll using Intersection Observer API
* Newsletter and contact form handling

## Project Structure

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├── index.html # Home page

├── contact.html # contact page

├── about.html # About page

├── styles.css # Main stylesheet

├── script.js # JavaScript functionality

└── documentation.md # Project documentation

## Deployment Instructions

### Option 1: GitHub Pages

1. Create a new GitHub repository
2. Upload all project files to the repository
3. Go to repository Settings > Pages
4. Select the branch you want to deploy (usually 'main')
5. Your site will be published at https://mohamedbashir2093.github.io/feb-2025-final-project-and-deployment-MohamedBashir2093/

## Responsive Design Implementation

This website uses a mobile-first approach with media queries to ensure optimal display across all device sizes:

* **Mobile (below 768px)**: Stacked layout with hamburger menu
* **Tablet (768-992px)**: Expanded layout with proper spacing
* **Desktop (above 992px)**: Full layout with multi-column grids

## CSS Organization

The CSS is organized in a logical manner:

1. Base styles (typography, colors, utility classes)
2. Layout components (header, footer, grid systems)
3. Page-specific styles
4. Responsive media queries

## Form Validation

Both the newsletter signup and contact forms include:

* Email format validation
* Required field validation
* Appropriate error messages
* Success confirmations