Read Me File

Dimension - Responsive HTML5 Website

This project is a responsive HTML5 website template based on the "Dimension" theme by HTML5 UP. The site includes personalised sections such as an introduction, career highlights, teaching philosophy, gallery, resources, and contact information. This template has been tailored to reflect a modern, sleek design aesthetic with a blue and black colour scheme.

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Project Overview

The website is designed to serve as a personal and professional portfolio, showcasing various aspects of the creator's career, interests, and teaching philosophy. The website is built with HTML, CSS, and JavaScript, and it is fully responsive, meaning it adjusts to various screen sizes, making it accessible on both desktop and mobile devices.

Key Features:
- Intro Section: A brief overview and personal introduction.
- Career Section: Information about professional experiences.
- Teaching Section: Insights into teaching philosophy and methods.
- Gallery: A dedicated page for showcasing images.
- Resources Section: Embedded videos on relevant topics.
- Contact Section: Information on how to connect via email, Instagram, and LinkedIn.

Getting Started

Prerequisites

To run this website locally, you will need a modern web browser (such as Chrome, Firefox, Safari, or Edge) and a basic text editor (such as Visual Studio Code, Sublime Text, or Notepad) if you plan to edit the files.
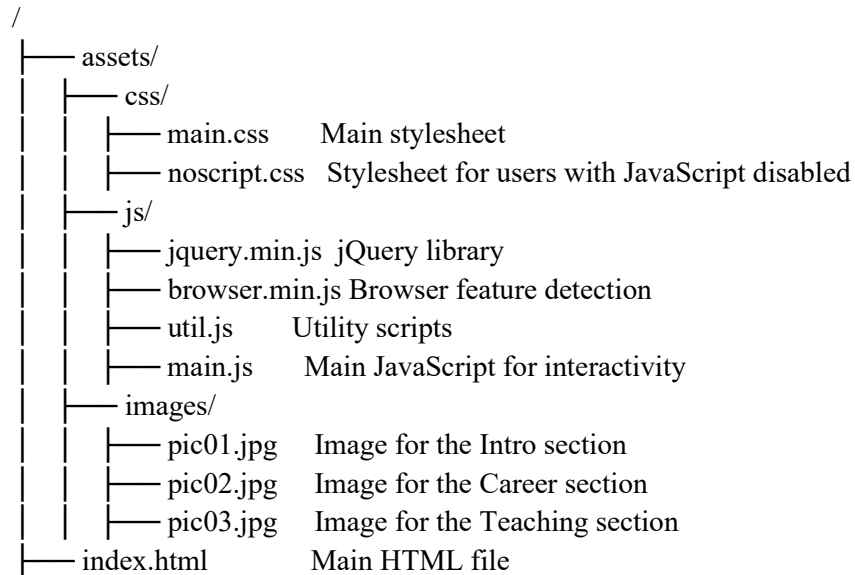
Installation

1. Clone the Repository:
   If you haven't already, clone the repository to your local machine using Git:

git clone https://github.com/yourusername/yourrepository.git

File Structure

```
/
├── assets/
│   ├── css/
│   │   ├── main.css       Main stylesheet
│   │   ├── noscript.css   Stylesheet for users with JavaScript disabled
│   ├── js/
│   │   ├── jquery.min.js  jQuery library
│   │   ├── browser.min.js Browser feature detection
│   │   ├── util.js        Utility scripts
│   │   ├── main.js        Main JavaScript for interactivity
│   ├── images/
│   │   ├── pic01.jpg    Image for the Intro section
│   │   ├── pic02.jpg    Image for the Career section
│   │   ├── pic03.jpg    Image for the Teaching section
├── index.html          Main HTML file
```

Running the Webpage Locally

To view the website locally:

1. **Open the index.html file**:
   - Locate the index.html file in the project directory.
   - Right-click on the file and select Open with and choose your preferred web browser.
2. Alternatively, you can drag and drop the index.html file into an open browser window.
3. **Preview the Site**:
   - The website should now be visible in your browser. You can navigate through the different sections (About Me, Career, Teaching, Gallery, Resources, Contact) by clicking on the links in the navigation menu.

Phase 1: First Configuration

Goal: Establish the foundational framework and environment needed for the creation of a website.

First action: "Dimension" by HTML5 UP was selected as the foundation template because of its contemporary, adaptable style and simplicity of use.

Step 2: Create the project directory on your local computer and add the assets, main.js, index.html, and main.css files.

Action 3: Opened index.html in a web browser to confirm that the template was operating as intended.

Result: The template was operating smoothly and the basic structure of the website had been successfully set up.

Phase 2: Section Customization on the Website

Goal: Adapt the website's content to include both professional and personal information.

First action: Added a personalised introduction to index.html about Mitchell's interests in sports, outdoor recreation, and relationships with family and friends in the Intro section.

Step 2: Added emphasis to professional roles and experiences in the Career section.

Action 3: Revised the Teaching section to offer an understanding of Mitchell's pedagogical approach, emphasising active learning and real-world applications.

Action 4: Added content to the Resources section by embedding instructional and sustainable YouTube videos.

Result: Mitchell's professional and personal history are now appropriately reflected in the website's personalised content.

Phase 3: Installation of the Gallery

Goal: Include a gallery section for picture exhibition.

First action: Added a special Gallery section to index.html.

Second action: added pertinent photos to the assets/images/ directory.

Step 3: Made changes to the HTML so that these pictures could be seen in the gallery section.

Result: Although a working gallery was added, it was decided to relocate it to a separate page in order to enhance navigation.

Phase 4: Content Organization and Navigation

Goal: Improve content organisation and refine the navigation structure.

Action 1: To improve user experience and content organisation, the Gallery section was moved from the home page to a separate page.

Second action: changed the name of the "Videos" page to "Previous Work" and updated the header navigation menu to point to the new gallery page.

Step 3: Verified that there were no broken links in the navigation menu and that the pages and sections flowed smoothly.

Result: The content is now arranged on separate pages and the website has an easy-to-use navigation structure.

Phase 5: Design and Aesthetic Enhancements

Goal: Incorporate streamlined, contemporary design elements that complement the selected colour palette.

First action: changed the main.css colour scheme to a blue and black palette to improve the website's aesthetic appeal.

Action 2: To preserve a unified and contemporary appearance, updated the button styles, font selections, and general layout.

Action 3: Tested on multiple screen sizes to make sure the website is fully responsive across a range of devices.

Result: The website now has a sleek, contemporary design that is in line with Mitchell's goals.

Phase 6: Finalisation and Testing

Goal: Complete the website and make sure it's prepared for launch.

First action: reviewed and made performance and efficiency improvements to the JavaScript, HTML, and CSS.

Step 2: Completely tested every aspect of the website, such as the contact forms, gallery display, video embedding, and navigation.

Step 3: Made a README file containing comprehensive instructions for setting up the site locally and modifying its content.

Action 4: Maintained a record of the project's development process and important choices made.

Result: The website is finished, operational, and prepared for launch or additional distribution.

Phase 7: Documentation and Handoff

Goal: Produce thorough documentation and get the website ready for transfer or additional development.

First action: Created a README file with project details, instructions for local website operation, and customization standards.

Action 2: Prepared a comprehensive progress report that outlined each stage of the development process.

Step 3: Made sure that every pertinent file was arranged and recorded for later use or transfer.

Result: The project has been fully documented, and all relevant data has been gathered for future use or transfer.

Credits

Hema - University Tutor

My university tutor Hema, whose advice was crucial to the advancement of this web development project, has my sincere gratitude. Hema gave great advice on web development principles right away, particularly with regard to HTML, CSS, and responsive design. Her input on content organisation, design decisions, and the general structure of the website was invaluable in helping to bring the project up to her high standards. The successful completion of this website was greatly influenced by Hema's expertise, encouragement, and patience. This site's functionality and quality are a direct result of her dedication to my personal growth and learning.

Mark and Andrew - Colleagues at Work

I would especially like to thank my coworkers Mark and Andrew who work in the computing department. Throughout the development process, your assistance, technical guidance, and readiness to troubleshoot with me were really helpful. Both Andrew's and Mark's knowledge of responsive design principles and Mark's proficiency with code optimisation greatly enhanced the website's usability and aesthetic appeal. Your willingness to work together and your technical expertise have been crucial to the success of this project.

Free HTML Website Resources

The utilisation of free HTML website resources, especially the "Dimension" template by HTML5 UP, was also very beneficial to this project. High-quality, free templates were readily available, giving me a good place to start and allowing me to concentrate on tailoring and personalising the website to suit my needs. The community and tools surrounding free HTML templates have been extremely helpful in obtaining a contemporary and polished website design without having to pay extra money.

Acknowledgments

Your assistance has been invaluable, to everyone who has given to this project, whether directly or indirectly. This website is an expression of the teamwork, information exchange, and cooperation that went into making it. We appreciate your help in making this project a success and your contributions.