**Petville Community Library**

**Website Documentation**

The Petville Community Library website:

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**Website Structure:**

* The website is built using HTML, CSS, and JavaScript.
* Visitors can navigate through different sections using the navigation bar (<nav>) located in the header. It includes links to: Home, Projects, Gallery, Blog, About Us, Get Involved, Contact, and Donate Now.
* The main content area (<main>) displays information specific to each page.
* The footer (<footer>) contains copyright information, social media links, contact details, and website credits.
* All pages follow a similar structure to the Home page (index.html) with a header, navigation bar (<nav>), main content area (<main>), and footer (<footer>).
* The styles.css contains general code for the visual appearance. Each respective page has its own CSS file.
* The scripts.js also contain general code for the interactive elements or animations of the website. Most pages have their respective JavaScript file that correspond to their webpage as well.

**Home Page (index.html):**

* The Home page showcases the library's mission and welcomes visitors.
* It features a hero section (<section id="home" class="hero">) with a large heading, a descriptive paragraph, and a call- to-action button ("Join Us") encouraging visitors to get involved.
* Below the hero section, an "Intro" section (<div class="intro">) highlights the library's key offerings through a bulleted list:
  + Books and Magazines
  + Computers and Internet Access
  + Learning Programs
  + Community Events
  + Volunteer Opportunities
  + Welcoming Environment
* Another call-to-action button ("Enroll TODAY!") is present, although its purpose isn't entirely clear from this page.
* This page links to scripts.js (javascript) and styles.css (CSS) general website code.

**Projects Page:**

* The projects page showcases current initiatives at the library.
* It displays a grid of project cards (<div class="project-card">).
* Each card can contain a title (<h3>), description (<p>), and an animated progress bar that scrolls to the progress percentage once the page is loaded (<div class="progress-bar-container">).
* The progress bar visually represents the completion status of a project using a progress percentage and text descriptions.
* Four project card examples are included, but more can be added as needed.
* Below the project cards, there's a call-to-action button with a link to the "Get Involved" page.
* The projects.css code defines the visual appearance of the projects page elements.
* The animations.js JavaScript file contains the code for interactive elements or animations.

**Gallery Page:**

This HTML code creates the Petville Community Library's gallery page. Here's a breakdown of its functionalities:

**Structure:**

* The main content area displays the gallery section (<div class="gallery" id="gallery">).
* A lightbox (<div id="lightbox" class="lightbox">) is used to display a larger version of a selected image when clicked.

**Gallery Data:**

* JavaScript defines an array named galleryData containing objects.
  + Each object represents an image in the gallery with properties like:
    - src: URL of the image
    - alt: Alternative text for accessibility
    - caption: Description of the image
* This data is loaded from a separate JavaScript file (/scripts/gallery.js)

**Functionality:**

* The createGalleryItems function dynamically creates HTML elements for each image in the galleryData array.
  + It adds an image (<img>) with the corresponding src and alt attributes.
  + It adds a caption paragraph (<p>) displaying the image's description.
  + Each gallery item element (<div class="gallery-item">) listens for a click event. Clicking an image triggers the openLightbox function.

**Lightbox:**

* The openLightbox function displays the lightbox (<div id="lightbox">).
  + It sets the lightbox image source (<img class="lightbox-content" id="lightbox-img">) to the clicked image's URL.
  + It displays the image caption (<div id="caption">).
  + It conditionally adds navigation buttons (previous and next) if they don't already exist using the addNavigationButtons function.

**Navigation:**

* Arrow key navigation (ArrowLeft and ArrowRight) allows users to switch between images in the lightbox. (Implemented with handleKeyboardNavigation).
* Swipe gestures on touch screens are also supported to navigate through images. (Implemented with handleTouchStart, handleTouchEnd, and handleSwipe).
* A close button (<span class="close">&times;</span>) and clicking outside the image area close the lightbox (closeLightbox).

**Additional Features:**

* A simple animation (animateGalleryItems) adds a fade-in and slight upward movement effect to each gallery item after a short delay.

Overall, this code creates a dynamic and user-friendly image gallery with a lightbox functionality for the Petville Community Library website.

**Blog/News Page**

The Petville Community Library blog webpage is your one-stop shop for all the latest happenings at the library. Here you can find news about exciting new programs, upcoming events, and achievements of the library and its patrons.

It features:

* **News Ticker:** A scrolling news ticker displaying headlines of recent blog posts.
* **Blog/News Articles:** A list of blog posts with featured images, titles, dates, and content snippets.
* **Header:** This section includes the library's logo, navigation bar, and potentially a search bar (not explicitly mentioned in the code).
* **Footer:** the library's contact information and social media links and credits

The library uses the blog / news articles to share information about:

* Upcoming events and programs (e.g., author readings, workshops)
* Library achievements (e.g., grant awards)
* Library resources and services (e.g., reading challenges)

Overall, the blog /news is great a way for the Petville Community Library to connect with the community, share news, and promote its offerings making it easy to stay aware with the library and its community events.

The blog features a variety of content, including:

* **Program announcements:** Be the first to know about new initiatives like the "Paws for Reading" program, designed to help children build confidence by reading to therapy dogs.
* **Library updates:** Stay informed about recent grants or technological upgrades, like the new computers and e-readers available for public use.
* **Local author spotlights:** Meet talented writers from your community, like Sarah Johnson, author of the bestselling mystery novel "Whispers in the Stacks."
* **Community engagement:** Celebrate achievements like the success of the Summer Reading Challenge, where Petville readers collectively read over 5,000 books!

The blog also provides easy access to the library's contact information and social media links, making it easy to stay connected with the library and its community events.

**About Us Page**

The Petville Community Library's "About Us" page tells the story of the library from its humble beginnings in 1982 to its current role as a vital community resource.

Here's a summary of the key points:

* **History:** Founded in 1982, it started small but has grown to offer books, computers, programs, and events.
* **Mission:** To provide a welcoming space for learning, creativity, and community engagement, fostering a love of learning and literacy, and essential resources for the community.
* **Vision:** To be a thriving hub where people of all ages can explore interests, discover knowledge, and connect through shared love of books and learning.
* **Values:** Community, education, diversity, knowledge, innovation, access, and sustainability. They strive to be inclusive and welcoming.
* **Impact:** They boast over 100,000 borrowed books annually, with thousands participating in children's programs and adult education classes.
* **The Team:** Led by librarian Jane Smith, a team of assistants and volunteers keeps the library running.

**Get Involved Page**

The Petville Community Library's "Get Involved" webpage offers various ways for community members to support the library.

Here's a breakdown of the opportunities:

* **Volunteer:** Become a volunteer by shelving books, assisting with children's programs, helping patrons with computers, or supporting events. Fill out a volunteer application form to get started.
* **Attend Fundraising Events:** The library hosts exciting events to raise funds. You can find information about upcoming events on the webpage.
* **Donate:** The library welcomes financial donations, monthly contributions, gently used books, or contributions to their technology fund.

**Contact Page**

The Petville Community Library contact webpage provides multiple ways for visitors to get in touch:

* **Contact Form:** A form is available to submit questions, comments, or inquiries. It requires your name, email, subject, and message.
* **Library Address & Phone Number:** The library's physical address (123 Petville Street, Orange Walk Town, Belize) and phone number ((501) 623-4567) are displayed.
* **Email Address:** The library's email address (info@Petvillelibrary.org) is provided for written communication.
* **Social Media Links:** Links to the library's Facebook and Instagram pages are included for those who prefer social media channels.
* **Google Map:** An image showing a map of the library's location.

**Donation Page**

The Petville Community Library's donation webpage encourages financial contributions to support the library's resources and services. Here's a breakdown of the key points:

* **Donation Options:**
  + One-time monetary donations
  + Setting up monthly contributions
  + Donating gently used books (not mentioned on this webpage but likely on a different page)
  + Contributing to their technology fund
* **Donation Form:** Allows secure online donations with the following options:
  + Choose a donation amount
  + Select a payment method (credit card, PayPal, or bank transfer)
* **Call to Action:** A prominent "Donate" button to submit your contribution.

The resources used in the creation of the website are:

* Claude.ai
* ChatGPT
* MollyPix.ai
* Pexels.com
* Zeon Downloader
* W3schools.com
* Coolors.co
* Youtube.com
* Gemini.google.com

Published to my github account:

<https://github.com/cyberserg2k2/Petville-Commmunity-Library-Website>

<https://petvillelibrary.netlify.app>