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IT 331-001

**Project #4 Submission**

URL: <https://mason.gmu.edu/~jchaudha/home.html>

**Project Overview**

This project is a Visit Nepal 2025 website that promotes Nepali culture, landscapes, and tourism opportunities. The website is designed using HTML, CSS, JavaScript, XML, and JSON to create an interactive experience.

**File Structure**

* home.html - The homepage introduces Nepal as a travel destination with a slideshow and user interaction features.
* about.html – Contains information about Nepal’s culture, tourism, and historical significance.
* services.html - Details of various tourism services available, such as trekking, adventure tours, and accommodations.
* gallery.html - Displays a grid-based image gallery of Nepal’s attractions.
* contact.html - Provides contact information and a form for visitors to send inquiries.
* events.html – In this page added dynamic JavaScript event and feature and coming event in the visit Nepal festival 2025. In this page has different feature like animation and interaction.
* Styles.css - The external CSS file for styling the website with a responsive and visually appealing design.
* scripts.js - Contains JavaScript functions for interactivity, including random images, name storage, Array and the slideshow.
* tour.html - Implements features like random image, a table listing books from books.json using jQuery DataTables, and an AJAX-loaded list of tourist destinations from all.xml.
* all.xml - XML file listing tourist attractions, which is fetched using raw AJAX and displayed dynamically.
* books.json - JSON file with structured data on Nepal-related books (title, author, year). It powers the DataTable on the tour.html page.

**Modified Pages**

* contact.html **–** The Datepicker widget from jQuery UI is used for selecting a preferred visit date in the contact form.
* scripts.js – In this page added some DOM and JavaScript functionality like a mouseover and function startAnimation. It also handles AJAX requests to load XML data, animates elements using jQuery’s. Also, uses jQuery UI’s Datepicker widget, validates forms using a jQuery plugin, and displays book data from JSON using DataTables

**Newly Created**

* tour.html - Implements features like random image, a table listing books from books.json using jQuery DataTables, and an AJAX-loaded list of tourist destinations from all.xml.
* all.xml - XML file listing tourist attractions, which is fetched using raw AJAX and displayed dynamically.
* books.json - JSON file with structured data on Nepal-related books (title, author, year). It powers the DataTable on the tour.html page.

**Project Requirements**

1. **Seven pages were created:** home.html, about.html, services.html, gallery.html, events.html, contact.html, tour.html, all.XML and books.json.
2. **Coding requirements:**

* Comments: Comments included purpose of each variable and conditionals and other logic, including navigation, AJAX, validation, and interactivity.
* Readability: Maintained using proper indentation, organize with the white spacing which makes code easy to read and navigate all code.

1. **Features**
2. **Raw Ajax using XMLHttpRequest**: A raw JavaScript XMLHttpRequest is used to load and display data from the all.xml file when the Load Places button is clicked on the tour.html page.
3. **jQuery Feature (Effect or Animation):** All page’s image uses the effect from the jQuery library to animate its appearance smoothly when the page loads.
4. **jQuery UI Feature:** The contact.html page includes a Datepicker widget from jQuery UI so users can easily select a visit date in the form.
5. **jQuery Plugin Validation:** The contact form validates three fields name, email, and Message using the jQuery Validation Plugin to ensure proper input before submission on contact,html.
6. **XMLJSON and jQuery DataTables**: The books.json file stores book data which is loaded and displayed on a dynamic table on tour.html using jQuery DataTables.
7. Overall, all links on all pages are easy to use and navigate and understand. All pages of the site are consistent in terms of the terms and color of them; fonts are with the use of the external style sheet.