

Project Report

ICT LAB

SIR ADNAN JELANI

LAB REPORT

WELCOME TO PAKISTAN



PROJECT REPORT: Welcome to Pakistan Website

1. Introduction

The Welcome to Pakistan website is a web development project created as part of a 1st semester Web Development / ICT course. The core objective is to introduce users to the scenic beauty, rich heritage, and key tourist destinations of Pakistan through an engaging, interactive, and visually appealing web interface.

The website uses HTML, CSS, and JavaScript as its main technologies and is hosted on GitHub for version control and open access.

2. Purpose and Motivation

- To highlight major tourist attractions across Pakistan.
 - To offer users a friendly and informative browsing experience about tourism, culture, and heritage.
 - To enable students to practice real-world web design and development skills.
 - To enhance teamwork, planning, and front-end implementation abilities among members.
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3. Project Scope

The scope defines what the website will deliver and what users can expect:

Included within Scope

- A multi-page informational website
- Interactive features using JavaScript
- Tourist destination data organized in tables
- Visual galleries with images
- Layout styled with consistent CSS design
- Navigation links to other pages
- User engagement through simple UI controls

Excluded from Scope

- Backend server or database connections
- Dynamic user profiles or login systems
- Real-time booking functionality
- Advanced animations or guest contributions
- E-commerce or ticket purchase system

4. Files and Structure

The repository includes various key files and assets that contribute to the full project:

HTML Pages

- index.html – Main homepage with hero banner, stats, team details, and gallery preview.
- gallery.html – Dedicated photo gallery structure.
- TABLE PAGE.html – List of tourist destinations in a sortable table.
- Links.html – A page presumably containing useful external/internal navigation (based on repo content).
- FORM.html – Possibly a contact or submission form page.

CSS Files

- HOME PAGE STYLE.css – Styling for the homepage and global layout.
- gallery style.css – Styles for the photo gallery.
- TABLE PAGE STYLE.css – Styles for the sortable table page.

- Links Style.css – Styling for the links page.
- FORM STYLE.css – Styles for the form design.

Images

- Several JPEG images representing regions and landscapes of Pakistan.
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5. Methodology and Project Plan

The project was completed in the following systematic phases:

Stage 1 – Requirement Gathering

- Defined audience: travelers, students, enthusiasts
- Chose core content: tourism attractions, gallery previews, team info

Stage 2 – Planning and Wireframing

- Designed layout structure
- Decided main pages and navigation flow

Stage 3 – Development

- Created HTML pages with semantic structure
- Applied CSS for layout, typography, and responsive visuals
- Added interactive JavaScript features (e.g., color switcher, sortable table)

Stage 4 – Testing

- Checked links and UI elements across browsers
- Verified image loading and table sorting behavior

Stage 5 – Deployment

- Uploaded all files to GitHub repository
 - Documented project in a README file accessible publicly
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6. Key Features

User Interface

- Clean and attractive hero section with tagline
- Professionally styled typography and icons (Font Awesome)
- Consistent color scheme and margin structure

Interactivity

- JavaScript-powered background color changer
- Sortable table in the destinations page
- Image thumbnails with lazy loading to optimize performance

Content Highlights

- Gallery preview of regions of Pakistan
 - Organized destination details with entry fees and available hours
 - Team section with roles and skills
 - Contact info in footer
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7. JavaScript Functionality

Color Changer:

Visitors can click a button to randomly change the page background color — enhancing engagement.

Sortable Table:

The destinations table on the Table Page allows sorting by column headers (destination, location, fee, hours), improving usability and data exploration.

8. Strengths of the Project

- Well-structured repository with multiple pages.

- Demonstrates practical use of HTML, CSS, and JS.
 - Easy manual sorting of data.
 - Aesthetic visuals backed by local images.
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9. Limitations

- Limited responsiveness for all screen sizes
 - Gallery page is incomplete and needs grid or modal views
 - No backend or database integration
 - Navigation menu could be improved for better UX
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10. Future Enhancements

- Add responsive navigation bar across all pages
 - Implement image modals in the gallery
 - Include search filters for destinations
 - Integrate with a backend API for dynamic data
 - Add multilingual support (e.g., English + Urdu)
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11. Conclusion

The Welcome to Pakistan project serves as a strong demonstration of foundational web development skills, combining layout, styling, and interactivity in a cohesive experience. It highlights national tourism attractively while providing a clear platform for further enhancements and professional growth.