A scenic landscape featuring a large, leafy tree in the foreground on the left, its branches reaching across the frame. In the background, a body of water, possibly a lake or river, is visible under a sky filled with soft, pastel-colored clouds. The overall atmosphere is peaceful and natural.

NationalPark-Explorer

E-Project

ACKNOWLEDGEMENT

We would like to express our sincere gratitude to our teacher and mentor Sir Adil for his guidance and encouragement throughout the development of this project. His continuous support helped us understand web development concepts and apply them practically. We are also thankful to online learning resources and documentation that assisted us in improving my HTML, CSS, JavaScript, and Bootstrap skills. We would also like to thank our peers and family for their motivation and feedback during the completion of this project.

Participation of members

Adeeba shoaiib: Designed and developed home page and
event page

Muskan waseem: Designed and developed about page

Samiullah: Designed and developed parks and contact page

SYNOPSIS

The National Parks of Pakistan – Informative Web Portal is a web-based project developed to showcase the natural, ecological, and cultural importance of Pakistan's national parks. The website serves as an educational and informational platform where users can explore detailed content about various national parks through a structured and visually appealing interface.

The website is built using HTML, CSS, JavaScript, and Bootstrap. It includes a modern homepage with an image carousel, featured national parks, activities, conservation content, and multiple supporting pages. JavaScript is used to implement session-based user interaction, allowing login and signup actions to affect the navigation bar dynamically. This enhances the realism and usability of the website at the interface level.

PROBLEM DEFINITION

Pakistan possesses a wide range of national parks that are rich in biodiversity, landscapes, wildlife, and cultural heritage. Despite their importance, information related to these parks is often fragmented, outdated, or difficult to access for the general public. Many existing platforms do not present this information in a structured or visually engaging manner.

As a result, students, tourists, and local visitors face difficulty in gaining comprehensive knowledge about national parks, their locations, significance, and events. There is a clear need for a centralized, user-friendly platform that provides reliable and organized information in one place. This project addresses that gap by offering a single web portal dedicated to Pakistan's national parks.

OBJECTIVES OF THE PROJECT

- TO DEVELOP A CENTRALIZED INFORMATIONAL PLATFORM FOR NATIONAL PARKS OF PAKISTAN
- TO PRESENT CONTENT USING A CLEAN, MODERN, AND USER-FRIENDLY INTERFACE
- TO PROMOTE ENVIRONMENTAL CONSERVATION AND ECO-TOURISM AWARENESS
- TO IMPLEMENT INTERACTIVE ELEMENTS USING JAVASCRIPT
- TO SIMULATE USER AUTHENTICATION BEHAVIOR USING SESSION STORAGE
- TO STRENGTHEN PRACTICAL SKILLS IN HTML, CSS, JAVASCRIPT, AND BOOTSTRAP
-

SCOPE OF THE WORK

Included in the Scope:

- Development of a multi-page frontend website
- Use of HTML5 for semantic structure
- Use of CSS3 for styling and layout
- Use of Bootstrap 5 for responsive carousel and layout components
- Implementation of JavaScript for:
- Signup action handling
- Session-based login state management
- Dynamic hiding of Login and Signup buttons after login
- Design of Homepage, Parks, Events, About, Contact, Login, and Signup pages
- Organized image and asset management

SCOPE OF THE WORK

Excluded from the Scope:

- Backend development and server-side scripting
- Database storage or real authentication
- Password encryption or data validation on server
- Payment or booking systems

METHODOLOGY

The project was developed using a structured development process:

1. Requirement Analysis – Identifying core features and user flow
2. Design Planning – Creating layout structure and navigation flow
3. Content Organization – Structuring park information and visuals
4. Frontend Development – Implementing HTML and CSS layouts
5. Bootstrap Integration – Adding responsive carousel and UI components
6. JavaScript Implementation –
 - Managing login state using sessionStorage
 - Redirecting users after signup
 - Conditionally hiding navigation buttons
7. Testing – Verifying navigation flow and JavaScript behavior
8. Refinement – Improving usability and consistency

❖ TOOLS AND TECHNOLOGIES USED ❖

- HTML5 – Web page structure
- CSS3 – Styling and layout design
- JavaScript (ES6) – Client-side interaction and session handling
- Bootstrap 5 – Responsive design and carousel
- Visual Studio Code – Development environment
- Web Browser – Testing and debugging



LIMITATIONS

- Authentication is simulated and not secure
- User data is not stored permanently
- Session ends when the browser is closed
- No backend validation or role-based access
- Limited interactivity beyond basic session handling

FUTURE ENHANCEMENTS

- TBackend authentication with database integration
- Secure login using encrypted credentials
- Persistent login using cookies or tokens
- Improved responsiveness for mobile devices
- Interactive maps and location services
- User reviews and feedback system
- Admin dashboard for content updates

OURWebsite

HOME PAGE

Welcome to the National Parks Of Pakistan

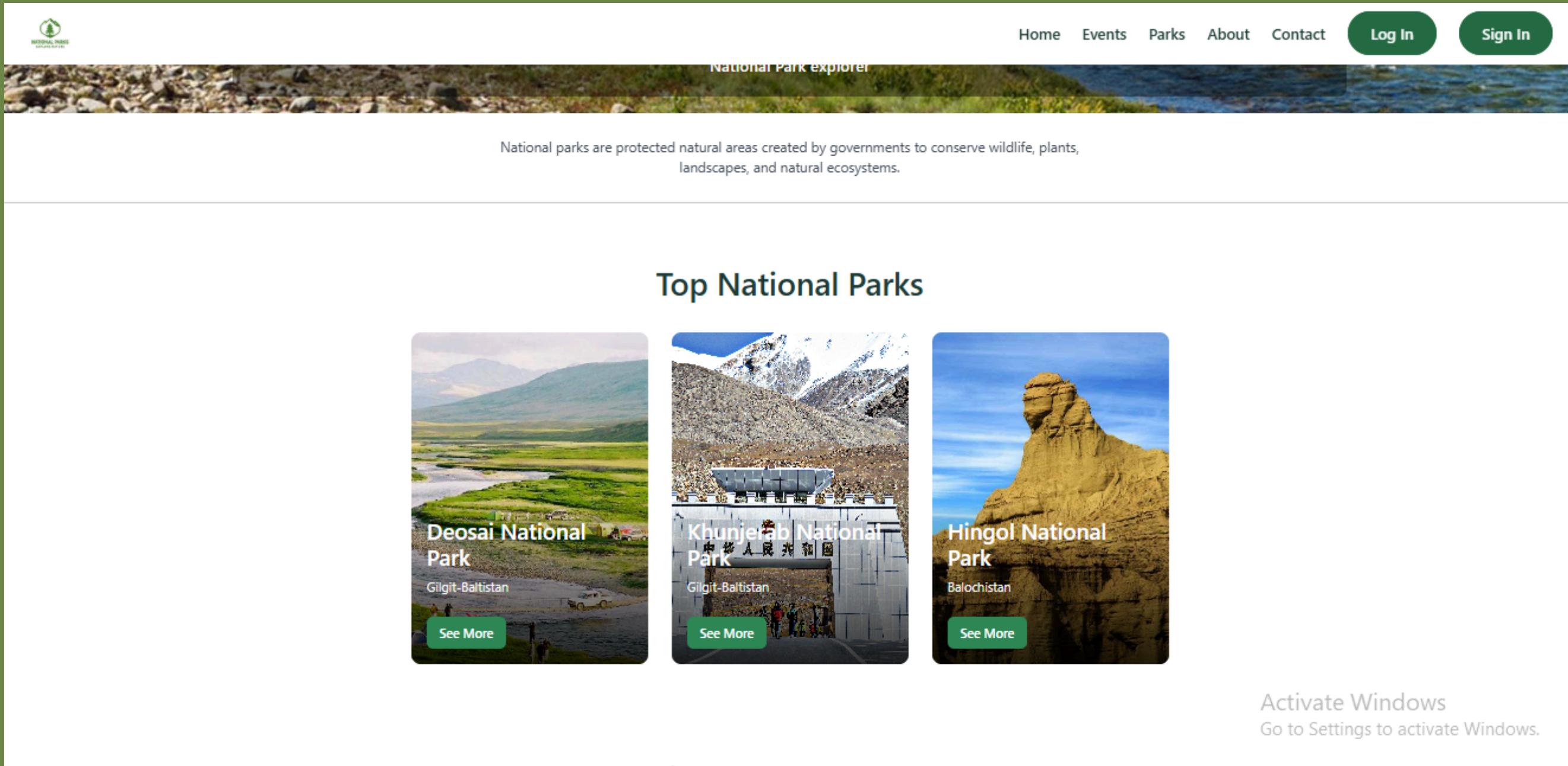
Explore the untamed beauty of Pakistan's diverse landscapes.

Home Events Parks About Contact [Log In](#) [Sign In](#)



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TOP NATIONAL PARKS



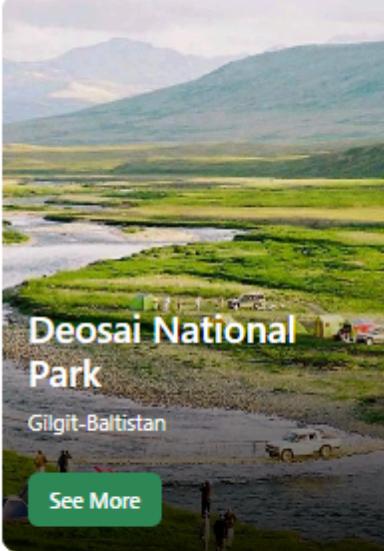
The screenshot shows the homepage of a website for "NATIONAL PARKS EXPLORE APP". The top navigation bar includes links for Home, Events, Parks, About, and Contact, along with Log In and Sign In buttons. A banner at the top features a landscape image and the text "National Park explorer". Below the banner, a definition of national parks is provided: "National parks are protected natural areas created by governments to conserve wildlife, plants, landscapes, and natural ecosystems." The main content area is titled "Top National Parks" and displays three cards with images and details about Deosai National Park, Khunjerab National Park, and Hingol National Park. Each card includes a "See More" button. A watermark for "Activate Windows" is visible in the bottom right corner.

NATIONAL PARKS EXPLORE APP

National Park explorer

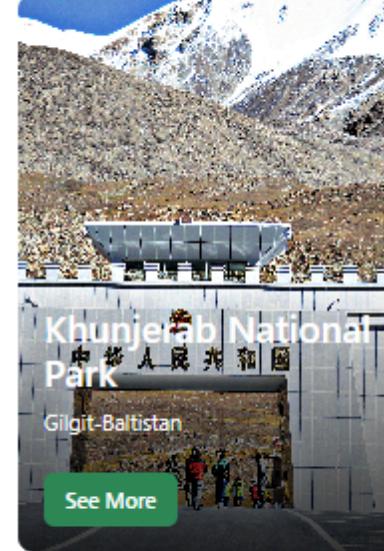
National parks are protected natural areas created by governments to conserve wildlife, plants, landscapes, and natural ecosystems.

Top National Parks



Deosai National Park
Gilgit-Baltistan

[See More](#)



Khunjerab National Park
中華人民共和國
Gilgit-Baltistan

[See More](#)



Hingol National Park
Balochistan

[See More](#)

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THINGS TO SEE AND DO



Home Events Parks About Contact

Log In

Sign In

Things To See And Do



Nature Exploration

Discover scenic landscapes, forests, rivers, and mountains while enjoying the peaceful natural environment of national parks.



Wildlife Observation

Observe native wildlife and bird species in their natural habitats while respecting protected ecosystems.



Hiking & Trekking

Explore marked trails and mountain paths that offer breathtaking views and outdoor adventure.



Photography & Sightseeing

Capture stunning landscapes and natural landmarks while appreciating the beauty of nature.



Camping & Eco-Tourism

Observe native wildlife and bird species in their natural habitats while respecting protected ecosystems.



Educational & Cultural Visits

Learn about natural history

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CONSERVATION



Home Events Parks About Contact

Log In

Sign In

Conservation Of National Parks

What Conservation Means?

Conservation refers to the responsible protection and management of natural resources to ensure they are preserved for future generations. It involves maintaining ecosystems, safeguarding wildlife, and using natural resources in a sustainable way.

Why National Parks Need Protection?

National parks require protection because they serve as safe habitats for wildlife and preserve important ecosystems. These areas prevent uncontrolled deforestation, illegal hunting, and harmful human activities. National parks also protect vital natural features such as forests, glaciers, rivers, and grasslands.

What is Pakistan's Responsibility as a Biodiverse Country?

Pakistan is a biodiverse country with a wide range of natural environments, including mountains, deserts, wetlands, forests, and coastal ecosystems. This diversity supports many rare and endangered species found only in this region. Protecting national parks is therefore a national and global responsibility. Through effective conservation efforts, Pakistan can preserve its natural heritage, support sustainable development, and contribute to global environmental protection.



EVENTS

Events & Festivals

Experience the rich culture and traditions celebrated across Pakistan's landscapes.



[Home](#) [Events](#) [Parks](#) [About](#) [Contact](#)



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Hinglaj Mata Yatra

The Hinglaj Mata Yatra is one of the most significant religious pilgrimages in Pakistan and South Asia. It takes place annually at the Hinglaj Mata Temple, located within Hingol National Park in Balochistan. The temple is an important spiritual site for Hindu devotees and is considered one of the 51 Shakti Peethas. The pilgrimage is usually held during the spring months (March–April) and attracts thousands of pilgrims from across Pakistan and neighboring countries. Devotees travel long distances through the rugged landscapes of Hingol National Park to reach the sacred shrine, making the journey both a spiritual and cultural experience.



Shandur Polo Festival

One of Pakistan's most famous annual festivals, the Shandur Polo Festival is held every year from 7th to 9th July at the Shandur Pass, known as the world's highest polo ground. Traditional freestyle polo matches are played between teams from Chitral and Gilgit-Baltistan, accompanied by folk music, dancing, and campsite activities that celebrate mountain culture and community spirit.

Kalash Spring Festival

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PARKS

National Parks Of Pakistan

Discover the diverse protected areas of the country.



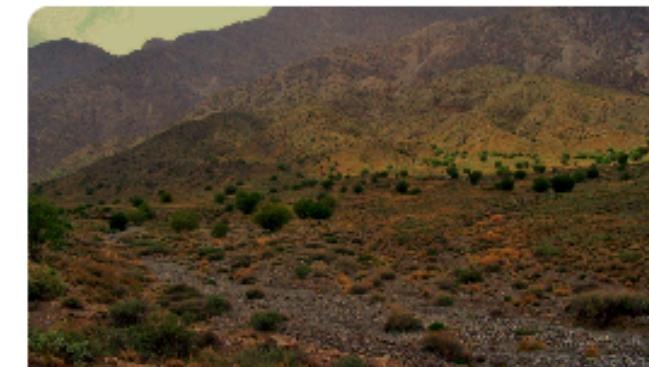
[Home](#) [Events](#) [Parks](#) [About](#) [Contact](#)



Hingol National Park

Hingol National Park (also spelled Hangul or Hingula) is the largest national park in Pakistan. It is located along the Makran Coastal Highway in the provinces of Balochistan (mainly) and partially Sindh.

[Learn More](#)



Hazarganj-Chiltan National Park

Hazarganj-Chiltan National Park is located near Quetta, Balochistan, Pakistan. It was declared a national park in 1980 to protect the unique wildlife and mountainous ecosystem of the region.

[Learn More](#)



Lal Suhana National Park

Lal Suhana National Park is located near Bahawalpur, Punjab, Pakistan. It was declared a national park in 1972 and is one of the oldest national parks in Pakistan.

[Learn More](#)



Deosai National Park

Deosai National Park is one of Pakistan's most famous protected areas, known as the "Land of Giants" and the second-highest plateau in the world. It is located in Gilgit-Baltistan, between Skardu and Astore.

[Learn More](#)



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one of the most important protected areas in the country. It is located in Gilgit-Baltistan, near the Pakistan-China border.

[Learn More](#)

largest national park in Pakistan and one of the most spectacular mountain protected areas in the world. It is located in Gilgit-Baltistan and covers the heart of the Karakoram Range.

[Learn More](#)

hills, hiking trails, and wildlife, making it a popular spot for nature lovers and tourists.

[Learn More](#)

Kirthar National Park, located in Sindh, Pakistan. It is famous for its temperate forests, hiking trails, and rich wildlife.

[Learn More](#)



Kirthar National Park

Kirthar National Park is located in Sindh, Pakistan, stretching across the Kirthar Mountain Range between Karachi and the Balochistan border. It was declared a national park in 1974 and is one of the largest national parks in Pakistan.

[Learn More](#)

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ABOUT US

About Us

Learn about our mission to promote awareness and conservation of Pakistan's national parks.



[Home](#) [Events](#) [Parks](#) [About](#) [Contact](#)



About Us

This website serves as an official informational platform dedicated to Pakistan's national parks and protected areas. It has been developed to provide accurate, educational, and accessible information related to the country's natural heritage, ecosystems, and biodiversity.

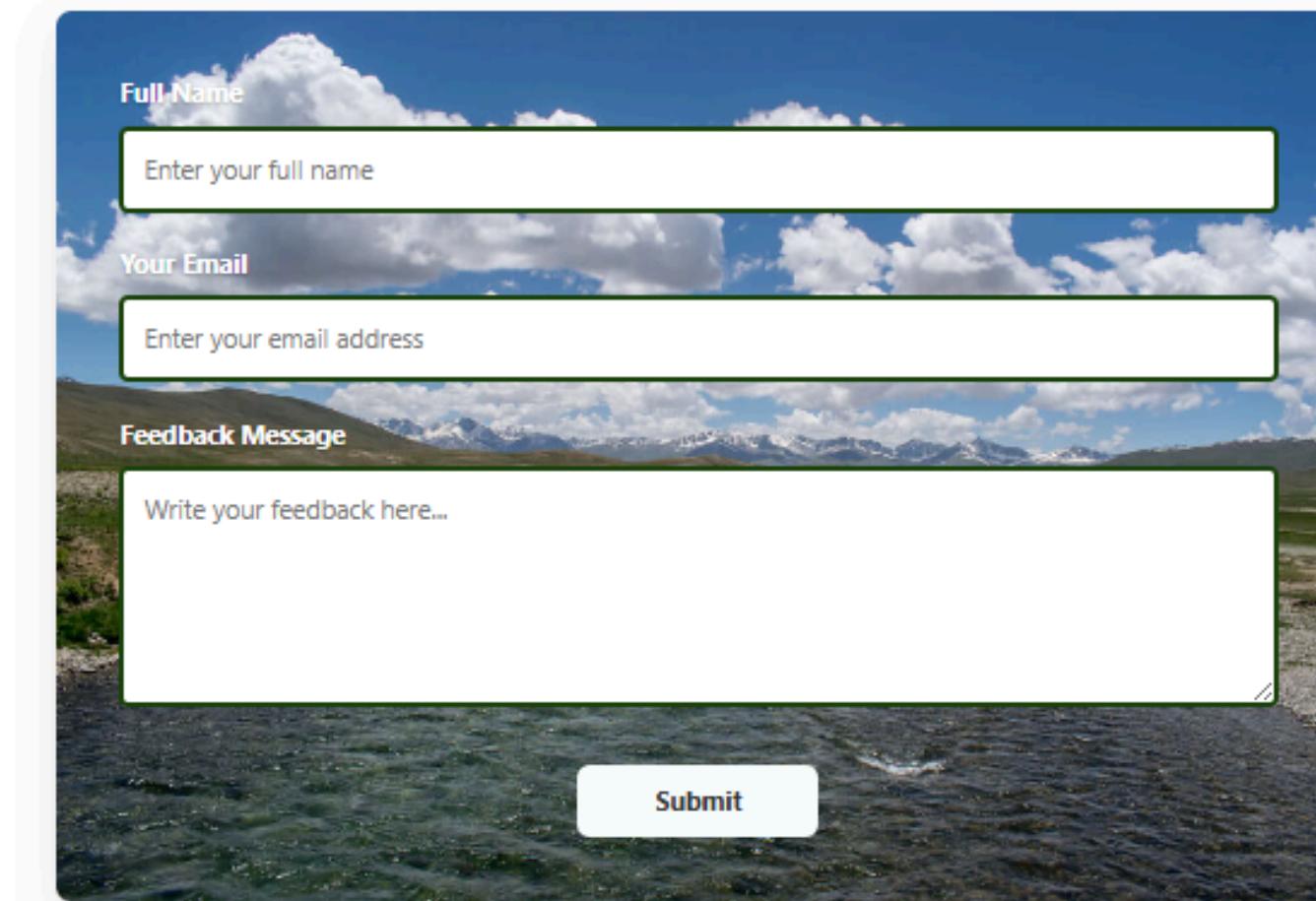
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FEEDBACK



[Home](#) [Events](#) [Parks](#) [About](#) [Contact](#)

This platform is committed to promoting transparency, environmental education, and sustainable practices. By providing accurate and reliable information, it supports national efforts to conserve natural resources and protected areas.



Full Name

Your Email

Feedback Message

Submit

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CONTACT

Contact Us

Have questions, suggestions, or feedback? Feel free to reach out — we'd love to hear from you.



[Home](#) [Events](#) [Parks](#) [About](#) [Contact](#)

Send a Message

Your Name**Your Email****Subject****Your Message**

[Send Message](#)

Contact Information

Email: info@nationalparks.pk

Phone: +92 300 1234567

Address: Islamabad, Pakistan

For general inquiries, collaborations, or park-related information, please use the form or contact us via email. We aim to respond within 2 business days.

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CONCLUSION

The National Parks of Pakistan web portal successfully combines informative content with interactive frontend functionality. By integrating JavaScript-based session handling, the project goes beyond a purely static website and demonstrates practical understanding of client-side interaction. The project effectively promotes environmental awareness while showcasing modern frontend development skills.

REFERENCES

- HTML, CSS, and JavaScript official documentation
- Bootstrap 5 documentation
- Online resources on Pakistan's national parks
- Frontend development tutorials





THE END