Countries Data System Test

This page demonstrates the two-tier countries data system implementation and shows various data access patterns.

Basic Country Data Access

Direct Access Examples

Thailand Basic Name (English):

Result:

Thailand Basic Name (Russian):

Result:

Thailand Basic Name (Chinese):

Result:

Thailand Alpha3 Code:

Result:

Detailed Regional Data Access

Direct Regional File Access

Thailand Detailed Currency (from Asia region):

> THB

Result: THB

Thailand Capital City (English):

> Bangkok

Result: Bangkok

Thailand Phone Code:

> +66

Result: +66

Thailand Emoji:

> 🇹🇭

Result: 🇹🇭

Country Lookup Helper Examples

Basic Data via Helper

Basic Country Name (Auto-detects language):

>

Result:

Basic Country Name (Explicit Russian):

Result:

Basic Alpha3 Code:

Result:

Detailed Data via Helper

Detailed Currency (Auto-detects regional file):

THB

Result:

THB

Detailed Capital City (English):

Bangkok

Result:

Bangkok

Detailed Phone Code:

+66

Result:

+66

Detailed Continent (Chinese):

亚洲

Result:

亚洲

Multi-Country Comparison

BRICS Countries Basic Data

Country	Name (EN)	Name (RU)	Name (ZH)	Alpha3
BR				
RU				
IN				
CN				
ZA				

BRICS Countries Detailed Data

Country	Currency	Capital (EN)	Phone Code	Emoji
BR				

BRL

Brasília

+55

🇧🇷

RU

RUB

Moscow

+7

🇷🇺

IN

INR

New Delhi

+91

🇮🇳

CN

CNY

Beijing

+86

🇨🇳

ZA

ZAR

Pretoria

+27

🇿🇦

Error Handling Examples

Non-existent Country Code

Basic data for 'xx' (should show fallback):

    Unknown Country

Result:

Unknown Country

Detailed data for 'xx' (should show fallback):

```
    N/A
```

Result:

N/A

Non-existent Property

Valid country, invalid property (should show fallback):

```
    Property not found
```

Result:

Property not found

Regional Auto-Detection Test

Countries from Different Regions

Thailand (Asia):

- Basic:

- Detailed Currency:

  THB

Germany (Europe):

- Basic:

- Detailed Currency:

  EUR

Brazil (Americas):

- Basic:

- Detailed Currency:

  BRL

Nigeria (Africa):

- Basic:

- Detailed Currency:

  NGN

Australia (Oceania):

- Basic:

- Detailed Currency:

  AUD

Performance Notes

- **Basic data access**: Single lookup in main countries.json file
- **Detailed data access**: Helper auto-detects regional file and loads appropriate data
- **Regional files loaded**: Only when needed for detailed data access
- **Language fallback**: Helper automatically falls back to English if requested language not available

System Architecture

This two-tier system provides:

1. **Fast basic access** for common operations (country names, alpha3 codes)
2. **Rich detailed data** when needed (currency, capitals, phone codes, etc.)
3. **Automatic regional detection** - no need to specify which regional file to use
4. **Multilingual support** with automatic fallback handling
5. **Graceful error handling** with customizable fallback values

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This test page validates the countries data system implementation and demonstrates proper usage patterns for both direct access and helper-based access methods.

Brandmine Consulting Sdn Bhd

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