Refrea, Mar John S.

### 4IT - B

#### **INSTALLATION:**

```
C:\WINDOWS\system32\cmd. ×
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Mar John>npm create vite@latest graphql-demo -- --template react
> npx
> create-vite graphql-demo --template react
   Use rolldown-vite (Experimental)?:
   Install with npm and start now?
   Scaffolding project in C:\Users\Mar John\graphql-demo...
   Installing dependencies with npm...
added 153 packages, and audited 154 packages in 20s
32 packages are looking for funding run 'npm fund' for details
found 0 vulnerabilities
  Starting dev server...
> graphql-demo@0.0.0 dev
> vite
```

# App.js

```
EXPLORER
                                                                                                                                                                                                                                                                                App.jsx
                                                                                                                                                                                                                                                                                                                                            # index.css
∨ GRAP... [] [] [] [] [] []
                                                                                        src > 🖶 App.jsx > 🛇 App
      > node_modules
                                                                                                                  import Countries from './Countries.jsx'
      > public
                                                                                                                  import './App.css'

✓ src

          > assets
                                                                                                                  export default function App() {
         # App.css
       App.jsx
                                                                                                                                  <div className="app">
                                                                                                                                         <header className="app-header">
       Countries.jsx
                                                                                                                                                <div className="header-content">
         # index.css
                                                                                                                                                        <h1 className="app-title">
        🯶 main.jsx
                                                                                                                                                              <span className="title-icon">●</span>
        JS queries.js
                                                                                                                                                          Countries Explorer
     gitignore
    eslint.config.js
                                                                                                                                                        o index.html
                                                                                                                                                             Lab Activity 1 — Powered by Apollo Client & GraphQL
    {} package-lock.json
    {} package.json
    ③ README.md
                                                                                                                                          <main className="app-main">
      ₹ vite.config.js
                                                                                                                                               <Countries />
                                                                                                                                          <footer className="app-footer">
                                                                                                                                               Specifical Control of the control
```

# Countries.jsx

```
GRAP... [♣ 🛱 ひ 🗗
> node_modules
                            import { useQuery } from "@apollo/client"
 public
                            import { GET_COUNTRIES } from "./queries.js"
∨ src
 > assets
                            function Countries() {
# App.css
                              const { loading, error, data } = useQuery(GET_COUNTRIES)
 App.jsx
                              if (loading) return (
 Countries.jsx
                                <div className="loading-state">
 # index.css
                                  <div className="loading-spinner"></div>
 🥸 main.jsx
                                   Loading countries...
 JS queries.js
  .gitignore
eslint.config.js
  index.html
                                <div className="error-state">
 package-lock.json
                                  <div className="error-icon"> ▲ </div>
 package.json
                                   Error: {error.message}
 README.md
  vite.config.js
                                <div className="countries-container">
                                  <div className="countries-header">
                                    <h2 className="countries-title">Explore Countries</h2>
                                    {data.countries.length} countries found
                                  <div className="countries-grid">
                                    {data.countries.map((country) => (
                                      <div key={country.code} className="country-card">
                                        <div className="country-flag">
                                          {country.emoji}
                                        <div className="country-info">
OUTLINE
                                          <h3 className="country-name">{country.name}</h3>
TIMELINE
                                          <div className="country-details">
```

## Queries.js

```
EXPLORER
                          main.jsx
                                            JS queries.js X
                                                             Countries.jsx
∨ GRAP... [卆 □ ひ 白
                          src > JS queries.js > ...
                                  import { gql } from '@apollo/client'
 > node_modules
 > public
                                  export const GET COUNTRIES = gql

✓ src

                                    query GetCountries {
  > assets
                                      countries {
  # App.css
                                         code
  🤁 App.jsx
                                         name
  Countries.jsx
                                         emoji
                                         capital
  # index.css
                                         continent { name }
  🤁 main.jsx
  JS queries.js
                            12
 .gitignore
 eslint.config.js
                            14
 index.html
```

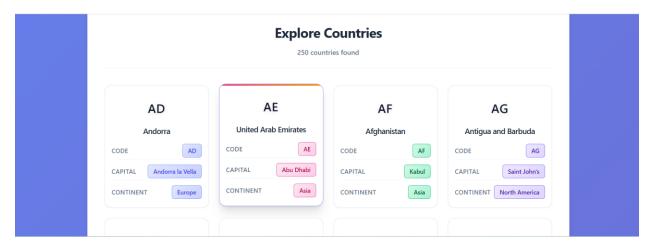
# Main.jsx

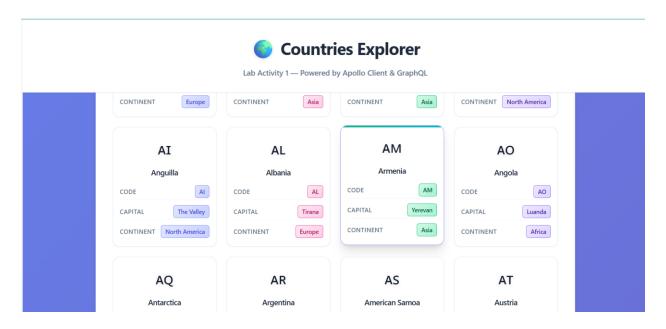
```
GRAP... 🖺 🛱 ひ 🗗
                             import React from 'react'
 node modules
                             import ReactDOM from 'react-dom/client'
 public
                             import { ApolloClient, InMemoryCache, ApolloProvider } from '@apollo/client'
                             import App from './App.jsx'
> assets
                             import './index.css'
# App.css
🛱 App.jsx
                             const client = new ApolloClient({
                             uri: 'https://countries.trevorblades.com',
Countries.jsx
                              cache: new InMemoryCache(),
# index.css
 main.jsx
JS queries.js
                             ReactDOM.createRoot(document.getElementById('root')).render(
 .gitignore
                               <React.StrictMode>
 eslint.config.js
                                 <ApolloProvider client={client}>
 index.html
                                   <App />
                                 </ApolloProvider>
 package-lock.json
                               </React.StrictMode>
 package.json
 README.md
                        19
```

# **OUTPUT**

# Countries Explorer

Lab Activity 1 — Powered by Apollo Client & GraphQL







Lab Activity 1 — Powered by Apollo Client & GraphQL

