

Project Description

You are in the process of designing a web application which process country data to produce some dynamic reports.

You have been asked to process the XML/JSON data about different countries, which is attached:

- `Country.xml`: Contains some info about European Countries
- `Country-data.json`: Contains some information about all countries

In this project, you also need to collect some JSON data using currency API in order to show the exchange rate of each country currency vs USD or EUR.

Answer the following question

Q1) Using `Country.xml`, Develop a JavaScript program using AJAX in order to read the XML file and display its data in the following format:

Country name	Capital	Unemployment	Total GDP

Note: Try to spend a good amount of time to understand the XML dataset! I know it is a big dataset!

Q2) Convert the `Contry.xml` file into JSON and validate it. Design a HTML page which takes country name from the user and display the following data about each city in HTML table

Province Name	Local Name	Population (2011)	No of Cities in the Province

Note: Some countries don't have provinces, so they only have cities! Use your creativity to display them properly.

Q3) Using online Currency APIs like ([http:// fixer.io](http://fixer.io) or <http://jsonrates.com/>) develop a program (using AJAX) which displays the Exchange rate of each country currency vs EURO or USD.

Note: You need to register for API-key to access to complete JSON data.

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Q4) Using the `Country-Data.json`, develop a web application which

- Prompt user to enter a country name
- Display the following info about each country:
 - Region , capital, currency_code, Language_native_name

Submission:

You need to submit the followings:

- 1) You need to take screenshot of the source code in the IDE and also the output, save them into the MS-Word file. You also need to identify how you work collaboratively as a team and the breakdown of the tasks which has been done by each group members.
- 2) You need to validate the documents whenever required.
- 3) ZIP all the html/xml/json/css files and submit them.

My expectation

- I understand completing this project within 2 hours is super challenging, but try your best to practice team working, divide the work into small chunk, assemble blocks and finalize it.
 - If you couldn't complete the whole steps, it is absolutely fine. But try to have something tangible at the end to submit.
- Use your creativity in order to design this application using different structures/concepts that we have learned so far.
- Be professional in programming:
 - Try to use comments wherever required.
 - Use proper names for variables and functions
 - Use proper/meaningful messages in order to interact with user
 - Apply proper error management/handling (on user inputs, data processing, ...) and display proper error messages accordingly

Happy Coding! & enjoy the project!