

Create an ASP.NET web application with a single page containing the main table with available countries to select from.

All countries should be displayed to the user by default in this table

1.1 The table should contain some basic information to present:

- The country's name
- The country's region
- The country's subregion

1.2 If the user clicks on the country's name from within the table (1.1), the following information should be displayed about the selected country:

- The country's name
- The capital city
- The total population for the country
- A listing of official currencies
- A listing of official languages
- A listing of neighbouring countries/borders
 - If the user clicks one of these, the information should be displayed for the country that was clicked

1.3 If the user clicks on the country's region from within the table (1.1), the following information should be displayed about the selected region:

- The region's name
- The total population for the region
- A listing of countries under the region
 - If the user clicks one of these, the information should be displayed for the country that was clicked (same as 1.2)
- A listing of subregions under the region
 - If the user clicks one of these, the information should be displayed for the subregion that was clicked (same as 1.4)

1.4 If the user clicks on the country's subregion from within the table (1.1), the following information should be displayed about the selected subregion (**Optional**):

- The subregion's name
- The total population for the subregion
- The region it belongs to
 - If the user clicks on this, the information should be displayed for the region that was clicked (same as 1.3)
- A listing of countries under the subregion
 - If the user clicks one of these, the information should be displayed for the country that was clicked (same as 1.2)

Use the rest countries API <https://restcountries.com/> to source the information from. **NB: This should be called from the server. There is no database required.**

Please use a front-end framework of your choice to render the UI. Ensure that data is retrieved from the back-end, i.e. do not query the restcountries API from the front-end. You are welcome to use any NuGet packages that you may need.

We will look at the following:

- Coding practices
- Modularity, i.e. the creation of maintainable and reusable components
- Extra points for:
 - Server caching
 - Implementing pagination for the table
 - Implementing search/filter functionality for the table

The project should be housed in a git repository. Please send us the link to said repository once the project is completed.