

Assignment Name - Advance Angular

Problem Statement -

Check out the following API documentation -

<https://restcountries.eu/>

This Public API documentation gives you detailed information about various countries.

As a solution to this problem statement, you are supposed to create an Angular application with following views -

- 1) **All regions view** - A beautiful looking view displaying all the regions in the world(you may use free images/icon available on web). On clicking one of the regions, All Countries view should open
- 2) **All countries view** - This should display **all the countries of the selected region**. There should be option to go back to previous view as well. This view should display countries in format of bootstrap cards with country flags (image link available with api) as the image of the card and should display only the important details of that particular country like Name, Capital, timezone, Currency, Subregions etc. (you may choose to include more details as long as the view doesn't become too big). On clicking on a particular country in country view, a detailed view of that country should open.
- 3) **Single Country view** - This view should use the flag of the country as cover image and display all the information about the countries in different and well differentiated sections of the page.
- 4) **Currency Filter** - On clicking on currency name in any of the above view, **all countries** view should open again but this time with a currency filter applied. I.e it will display that currency filter has been applied, show the selected currency and will should the country list which have the same currency(irrespective of the region)

- 5) **Language Filter** - On clicking a particular language in any of the above views, All countries view should open again, but this time with a language filter applied. I.e it will display the countries which have the selected language (irrespective of the region).

Here are some important points -

1. The given API comes with [filter response feature](#). You must limit the response of your API call to the data that you need.
2. You have to get data using HTTP request. Do not just download the JSON and use it. You must create proper services to fetch the data and give it necessary manipulations and then components to display it to the user.
3. Extra marks will be given for creating UI filters(dropdowns or search boxes) for currency, language and region.
4. You must define proper Interfaces for all the expected data types and apply the interfaces at all the points necessary. Codes without proper interfaces will loose marks.

Evaluation Basis

This project will be evaluated on following basis -

- 1) **Typescript and JS code** - Your Typescript and JS code should follow the best practices taught to you in the level and should use modern javascript as much as possible.
- 2) **Intuitive Thinking and Creativity** - You will get marks for intuitive thinking and creativity. So try to be as creative as you can.
- 3) **UI/UX** - Your UI/UX should be very appealing and smooth looking. You may use visual effects and animations to add to interactivity(like using loaders), but do not overdo it. Try to keep animations as minimalist as possible.
- 4) **Angular code** - Your angular code should follow the best practices taught to you in the level. You should also follow the application structure given in the video.

- 5) **Originality of code** - Your code will be checked for plagiarism and if it's not original, it will be discarded with a negative skill score.
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Deliverables from Candidate

- 1) A Text File containing the link of Github repository containing all your code along with images and other resources used in your website.
 - 2) Hosted link of the website on Github pages.
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Warning - Do not submit incomplete or wrong assignments. They will result in negative skill score. Also, you will not get a second attempt at the assignment! So whatever score you get will be the final score