**Challenge 2016**

1. <https://raw.githubusercontent.com/RealImage/challenge2016/master/cities.csv>

source data was in csv format

1. Converted to json
   1. [  
       {  
       "cityCode":"PUNCH",  
       "provinceCode":"JK",  
       "countryCode":"IN",  
       "cityName":"Punch",  
       "provinceName":"JammuandKashmir",  
       "countryName":"India"  
       },  
       {  
       "cityCode":"KLRAI",  
       "provinceCode":"TN",  
       "countryCode":"IN",  
       "cityName":"Keelakarai",  
       "provinceName":"TamilNadu",  
       "countryName":"India"  
       }]
2. For Application we need in below format so that we can handle it, I wrote the logic to convert above json to below json format ; while converting we have to group by countryName , provinceName

[

{

"countryName":"India",

"countryCode":"IN",

"provinces":[

{

"provinceName":"Jammu & Kashmir",

"provinceCode":"JK",

"cities" :[

{

"cityName":"Punch",

"cityCode":"PUNCH"

}

]

},

{

"provinceName":"Tamil Nadu",

"provinceCode":"TN",

"cities" :[

{

"cityName":"Namakkal",

"cityCode":"NKL"

}

]

}

]

},

{

"countryName":"Italy",

"countryCode":"IT",

"provinces":[

{

"provinceName":"Vibo Valentia",

"provinceCode":"78",

"cities" :[

{

"cityName":"Calabria",

"cityCode":"cal"

}

]

}

]

}

]

1. Then use those array of objects as source to Country, State & City multiselect dropdown
2. Use the operation type Include/exclude : You can exclude only in included region
3. Based on the selection store the object with “Distributor Name” and push that into an array
4. Then share the object with services

====== I have to develop below screens====

1. Use in checking screen
2. Checking screen should have same Country,State & City dropDown
3. Enter the “Distributor Name”
4. Based on the name it will check with shared object
5. While selecting region itself populate that Distributor has access or not