

## Xfinity Mobile Code Challenge

Below you will find some JSON data, place this data into a file named data.json. Complete the tasks below step by step, Commit and push your code to github after you finish each step. Please don't feel obligated to spend more than 2 hours to complete this task, if you aren't complete by the end of 2 hours, that is fine just commit what you have. If you take more time to complete or add enhancements that is fine, please estimate the total time you spend.

Step 1: Create a new repository with an existing angular1 or angular2 seed project of your choice in your github account. Here is an example you may use:

<https://github.com/angular/angular2-seed>

Step 2: Put the data.json in a folder, Use HTTP to retrieve the json data from data.json file.

Step 3: Display the data from the file in a list on a web page in the following way, you may implement any design or styles you like.

name	category	amount
a1	C1	10
a2	C1	20
a3	C1	30
a1	C2	100
a6	C2	600
a2	C2	200
a5	C2	500
a1	C3	1000
a3	C3	3000
a5	C3	5000

Step 4: Allow the list to be sorted based on clicking the column names, also upon a second click of a column name, reverse the sort order.

name	category	amount
a1	C1	10
a2	C1	20
a3	C1	30
a1	C2	100
a6	C2	600
a2	C2	200
a5	C2	500
a1	C3	1000

a3      C3              3000

Step 5: Add a new page, process the json data, output the data in a list as shown below.

Suppose there are only three different categories in the data.json. "C1", "C2", "C3"

name	C1	C2	C3
a1	10	100	1000
a2	20	200	-
a3	30	-	3000
a5	-	500	5000
a6	-	600	-

Step 6: Describe what you did, and how long this took you. What did you find the most challenging? Did you learn anything? Write this up in a text file and email, or bring it to the interview.

data.json file:

```
data = [  
  {  
    "name": "a1",  
    "category": "C1",  
    "amount": 10  
  },  
  {  
    "name": "a3",  
    "category": "C1",  
    "amount": 30  
  },  
  {  
    "name": "a2",  
    "category": "C1",  
    "amount": 20  
  },  
  {  
    "name": "a1",  
    "category": "C2",  
    "amount": 100  
  },  
  {  
    "name": "a6",  
    "category": "C2",  
    "amount": 600  
  }  
]
```

```
},
{
  "name": "a2",
  "category": "C2",
  "amount": 200
},
{
  "name": "a5",
  "category": "C2",
  "amount": 500
},
{
  "name": "a1",
  "category": "C3",
  "amount": 1000
},
{
  "name": "a3",
  "category": "C3",
  "amount": 3000
},
{
  "name": "a5",
  "category": "C3",
  "amount": 5000
}
]
```