

Unity C# Candidate Programming Challenge

Description

Create a Unity project that reads a JSON file and shows a table on screen with the JSON data using **Unity UI components**

The JSON file describes a table with specified rows and columns. Rows and columns may vary, so the code should be flexible and instantiate UI components depending on the JSON file contents.

The table should display the column headers using a bold or bigger font, while all other table cells should just use a normal font.

The JSON file will always be placed at **Assets/StreamingAssets/JsonChallenge.json**

The application should be able to reload the JSON file and update the screen to display these changes. Use either an onscreen button to reload the file or detect that it has been changed.

Requirements / additional notes:

- 1) Use Unity 2019.1 or later version
- 2) Use the sample JSON to test, but do not count on it. Your code will be tested with other JSON content that may differ in the amount of columns, rows or data.
- 3) There is no need to support scrolling vertically or horizontally.
- 4) Write your processing code in C# scripts
- 5) Do not spend time making the UI pretty. Just read the data and present it on screen.
- 6) The process should run as a Standalone Desktop build (i.e, make sure to test creating a build and running it)
- 7) Please deliver the full Unity project source.

Sample JSON file

```
{  
  "Title": "Team Members",  
  "ColumnHeaders" :  
  [  
    "
```

```
    "ID",
    "Name",
    "Role",
    "Nickname"
  ],
  "Data" :
  [
    {
      "ID" : "001",
      "Name" : "John Doe",
      "Role" : "Engineer",
      "Nickname" : "KillerJo",
    },
    {
      "ID" : "023",
      "Name" : "Claire Dawn",
      "Role" : "Engineer",
      "Nickname" : "Claw",
    },
    {
      "ID" : "012",
      "Name" : "Paul Beef",
      "Role" : "Designer",
      "Nickname" : "BeefyPaul",
    },
    {
      "ID" : "056",
      "Name" : "Sally Sue",
      "Role" : "Artist",
      "Nickname" : "Sue5555",
    },
  ]
}
```

Sample output

Team Members			
ID	Name	Role	Nickname
001	John Doe	Engineer	KillerJo
023	Claire Dawn	Engineer	BeefyPaul
012	Paul Beef	Designer	BeefyPaul
056	Sally Sue	Artist	Sue5555