Full Stack Developer

March 1, 2021

Coding Challenge

Instructions

Hello. Below is the OPES CLOUD code challenge. All code is preferably in Javascript, however if you are more comfortable in another language, we will accept that as well. Remember, we are looking for how you think. Comment your thought process. If you have any questions, please let me know.

Assignment

Your task is to implement the function

```
parseAndSortDates(dataArray, delim, isAsc)
```

With the following requirements:

1. dataArray is an array of strings.
2. Delim is a string, if it is null / undefined, use the forward slash character, /
3. isAsc is a boolean that, if true, sort the return values in ASCENDING order, if false, then sort the result in DESCENDING order. If isAsc is null / undefined or not a boolean, assume isAsc is true
4. The date strings in dataArray are in yyyy{delim}mm{delim}dd format. For example, it can be in yyyy/mm/dd if delim is /, yyyy-mm-dd if delim is -, yyyy~mm~dd if delim is ~, and so on..
5. Return an array of **Date objects** parsed from the dataArray and sorted (ASCENDING or DESCENDING depending on the isAsc value.
6. If the original dataArray is undefined or empty, just return an empty array.
7. If a date string on the dataArray does not conform to the yyyy{delim}mm{delim}dd format, disregard it in the final output array.
8. The delivered solution can just be a text or js file

Example 1

```
var dataArray = ['2021/01/02', '1990-02-03','2001-03-04',
'1990~05~28','junk'];
var delim = '-';
```

```
var isAsc = true;
var output = parseAndSortDates( dataArray, delim,isAsc );
console.log(JSON.stringify(output));


[
  "1990-02-03T00:00:00.000Z",
  "2021-01-02T08:00:00.000Z"
]
```

Notes

Here output should be an array with the 1990 date in the 0th position and the 2001 date in the 1st position (isAsc = true). No other dates are present as they do not conform to the requirements.

Example 2

```
var dataArray = ['2021/01/02', '1990-02-03','2001-03-04',
'1990~05~28','junk'];
var delim = '-';
var isAsc = false;
var output = parseAndSortDates( dataArray, delim,isAsc);
console.log(JSON.stringify(output));
[
  "2001-03-04T00:00:00.000Z",
  "1990-02-03T00:00:00.000Z"
]
```

Notes

Here output should be an array with the 2001 date in the 0th position and the 1990 date in the 1st position and (isAsc = false). No other dates are present as they do not conform to the requirements.