

Homework Assignment 4

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Deal with Complexity

In order to understand a complex task,

- Divide it into simple tasks
- Understand each simple task
- Make a visualization how to solve the problem
- Start coding

1. Data Table

1. Create a function **generateZeroTable(rows, columns)** that returns a **table DOM object** with **rows** TR children whereas each TR child has **columns** TD children.
2. Fill each TD with the string "0";
3. Call generateZeroTable(3, 4) and attach its return value to the body DOM object.
- 4.

Given is the 2d array:

```
statistic = [  
    ['2016-01-01', '2016-01-02', '2016-01-03', '2016-01-04', '2016-01-05', '2016-01-06', '2016-01-07', '2016-01-08', '2016-01-09'],  
    [ 1304, 1604, 1483, 1903, 1712, 2034, 1515, 1812, 1020 ]  
];
```

Create a function **generateDataTable(array)** that expects a 2 dimensional array like above. generateDataTable returns a **table** DOM object with array.length TR child objects. Each TR child object has array[0].length TD child objects. If array[0].length does not equal array[1].length, the function returns an empty table DOM object. For each TD, the proper value from array needs to be inserted. i.e. The first row and the second column should contain array[0][1].

5. Call **generateDataTable(statistic)** and attach its return value to the body DOM object.