



QUANTOX

SOFTWARE DEVELOPMENT & IT CONSULTING

JS Internship Test

JS INTERNSHIP TEST

(The time you have for completion of this test is 8 hours.)

Test overview

Your main goal for this test is to craft a nice looking and interactive UI that allows users to review weather info in your application. Application must consist of two main sections:

1. List of days that we have weather info for
2. Weather widget that will display detailed info for a single day

Weather data

Data should resemble to the following example:

```
const weatherData = {  
  tempUnit: 'C',  
  windSpeedUnit: 'm/s',  
  days: [  
    { day: 'Mon', temp: 22, windDirection: 'north-east', windSpeed: 10, type: 'sunny' },  
    { day: 'Tue', temp: 14, windDirection: 'north-west', windSpeed: 14, type: 'rainy' },  
    { day: 'Wed', temp: 17, windDirection: 'south-east', windSpeed: 20, type: 'cloudy' },  
    .....  
  ]  
}
```

Application flow

Following features are core app's functionality and they are mandatory:

- *Every item in the list should contain day and its temperature.*
- *Every list item should be clickable and by clicking on a single item, that day's weather info should be shown in the widget.*
- *Widget, on the other hand, will display all info about selected day. Wind direction should be show as an arrow of an appropriate direction.*

Optional features (will be treated as a bonus):

- *User can convert temperature unit to Kelvin (K)*
- *User can convert wind speed unit to km/h*

Important notes

- *Solve the following tasks using core frontend technologies - HTML5/CSS3/JS*
- *Your code organization and readability will be one of the main evaluating criteria.*
- *Use ES6 as your JavaScript standard*
- *Try to use semantically correct HTML5*
- *Try NOT to use old CSS techniques (tables, floats...)*

Upload your code to an online VCS (GitHub, GitLab, BitBucket ...) so that we can see your progress. Make sure to commit relatively often and leave descriptive messages



Thank You For Your Application!

www.quantox.com