Temperature Monitor- Coding Exercise

Angular/Single Page Application

Preamble

What makes our team unique and great at TEKSystems is our focus on code quality. We pride ourselves in having a great team with strong engineering practices skills. This is why customers choose us as their partner. They don't want us to just develop some code for them; they want us to build an enterprise quality solution that will support the growth of their business. This is why we believe that you have to start with a great foundation that is based on strong engineering practices, code quality and object oriented design.

As you know, the best way to judge an artist/a developer is to see their art/their code. We think that a written or online technical test is not the right way to assess the quality of a developer, so we want to give you the opportunity to show us what you can do, and who you are as a developer at your own pace. This is why we would like to give you a small challenge so we can see how you think about object oriented design and code quality.

We know you are probably very busy and we appreciate the time you will be investing on this, and we believe this is the best way for us to get to know the great developer you are.

We are very excited to see what you will come up with.

Evaluation Guidelines & Instructions

Plunker in an online (in browser) IDE made for collaboration and sharing of HTML/JavaScript/TypeScript code samples. We use Plunker to share our coding exercises and collect your coding samples. Follow the instructions bellow to get access to the exercise. The instructions for the exercise are included in the project file "README.md"

Connection Instructions

1. Open the "Temperature Monitor - Coding Exercise - Seed Project" at the following address: https://plnkr.co/edit/yjOcdGP5Bzj0xfvDdcsQ?p=info
2. **Read the README.md for instructions.** This file contains three **User Stories** and **NFR** (non functional requirements)
3. [Optional] Login with your Github account.
4. **Fork the project by clicking on the "Fork"** ⌥ Fork ▾ **button**
5. Code (This forked project is yours now, change anything you don't like, add/change files)
6. Make sure to unit test the "Temperature Monitor" object methods (you can add tests into the spec files)
7. You can run the unit test by clicking on the "Run Unit Tests" hyperlink from the preview window
8. **Once you're done, send us the link (URL) to your Plunker fork by email** (Send it to your recruiter **and** to AppsDevInterviewProcess@teksystems.com)

Evaluation Guideline

Your goal is to demonstrate your ability to write clean code, well covered by unit tests using Angular and Jasmine. In other words, as much as the correctness of the solution (e.g. providing validation), we are looking for proper usage of Angular concepts (e.g. module) or whatever you deem pertinent to make your code easy to read and to maintain.

Twitter Bootstrap CSS is present in the Plunk, use it change it to your favorite UI library. You can earn bonus points making your code looking good!

We expect this exercise to take no more than an hour or 2, producing around 100 of lines of code, depending on how much time you spend refactoring and cleaning up your code. Just remember that we are looking for quality of code not quantity.

Don't forget to have a last look at the Readme before submitting your code.

If you have any question, please send us an email at AppsDevInterviewProcess@teksystems.com.

Plunker v0.7.82

🔒 Freeze　🍴 Fork　🗑　📄 New　⬛ Stop　✓　⬇　⬈　Sign in with Github

▼ FILES
app.js
index.html
jasmine-test-runner.html
jasmine-test.js
README.md
script.js
style.css
📄 New file
▶ VERSIONS 4
▼ PLUNK
Description:
(SEED) Temperature Monitor Coding Exercise Seed Project

Tags:
Enter tags

User:
AppsDevInterviewProcess

Privacy:
🔒 private plunk

```html
1   <!DOCTYPE html>
2   <html ng-app="app">
3
4   <head>
5     <link data-require="bootstrap-css@*" data-semver="3.2.0" rel
6     <link rel="stylesheet" href="style.css" />
7   </head>
8
9   <body>
10    <h1>Temperature Monitor</h1>
11    <form>
12      <label for="temperture">Add Temperture:</label>
13      <input name="temperture" id="temperture">
14      <button>Add</button>
15    </form>
16    <hr />
17    <section>
18      <button>Get Median Temperture</button>
19      Current Median:
20      <!-- display current media here-->
21    </section>
22    <hr>
23    <hr>
24    <p>developer name: --your name here--</p>
25
26    <hr>
27    <a href="jasmine-test-runner.html">Run Unit Tests</a>
28    <script data-require="angular.js@*" data-semver="1.3.5" src=
29    <script src="app.js"></script>
30  </body>
31
32  </html>
33
```

Temperature Monitor

Add Temperture: [   ]
Add

Get Median Temperture　Current Median:

developer name: --your name here--

Run Unit Tests