Software Developer

Rules

1. You have 48 hours to complete the test.
2. You can use any language and platform. Regal Credit Management is a polyglot technology company and we want all of our developers to be so as well.
3. Your submission to us should include source, documentation, project support files (makefiles, test code, etc.) or other associated materials that are required to build your code and understand the approach taken in your solution. Also, please indicate the total amount of time you needed to author your solution.
4. On completion of the test, please provide us a public GitHub repository with your solutions.
5. Work should reflect your own effort as much as possible. Use your own judgment, but understand that evaluators will determine if your submission honors the spirit of the exercise. Failure to adhere to this guideline will result in negative evaluation.
6. **Do not copy or plagiarize others' work.** If you use open source or third-party code, clearly demarcate it and cite the authors. There should be a clear separation between incorporated third-party code and your own.
7. The code must have sufficient documentation to be run and tested.
    a. Be specific about the platform, versions, etc you used to develop and test the code.

Instructions

Please implement both scenarios below and provide your source code, test code, and any documentation or supporting file.

Test Scenario #1

Use the AccuWeather Daily Forecasts API to display a nice UI for the free 3 day forecast.

- You will need to sign up for a free account and follow the Terms of Service
- The evaluation team will use our own credentials/API Key. Make sure to clearly document how to replace the credential or API key material in your application.
- You may use any frameworks or libraries which assist your effort, but they must be open source or public domain and must be clearly documented.
- DO NOT copy another developer’s work. The purpose of this scenario is to demonstrate your effort and knowledge.

Test Scenario #2

Build a simple rich-text editor for HTML editing.

- may use frameworks or open source code to assist with program construction, but they must not implement WYSIWYG, rich-text concepts or UI itself. When in doubt, remember that the goal is to demonstrate your own approach to software construction, testing, object-oriented design, and organization. Try to show your approach. Over-using others code will be evaluated negatively.
- Support for: changing font family, bold, italic, unordered and ordered bullet list items, quoted block, monspace, hyperlink objects
- Emits reasonable, valid HTML constructs
- Is reasonably performant for several paragraphs of text