Context

We feel that a better alternative of communicating technical proficiency to asking a candidate to code a search algorithm on a whiteboard in front of a group of people would be to ask the candidate to take on a small practical application. After internal review of the coding exercise, if the candidate looks like a good potential fit for our team, we can open the interview process with a dialog between the interview candidate and select team members bout code the candidate has personally worked on and has familiarity.

Instructions

Create a document/text file with a list of possible assumptions that you would make based on the Feature Criteria / Business requirements requested below.

Please note any questions you would surface to the ScrumMaster/PM or Business Stakeholders/Product Owners regarding the specifications below.

**Create an API Solution in your preferred language/technology-stack** that will use the provided json files as the Minimally Viable Product iteration’s data source (please keep in mind, even though this is a small static data set – please consider API application performance and expect that the API would be hooked up to a larger data store that would involve hundreds of thousands of records).

**Provide detailed instructions as to**:

* How to install/configure, run/serve your solution on any Windows machine.
* Please explicitly define the expected URL(s) to access your API via postman/browser/another tool once the API solution is being served.

Please keep the level of effort to complete the exercise reasonable between one and five hours.

Business Requirements/Specifications

Build an API tier to service a front-end web/PWA/Mobile application.

Agent List Page

* Return List of all Agents
* Ability to Add New Agent

Agent Detail Page

* Retrieve all Agent Details by agent’s INT ID
* Update Any/All Fields by Agent’s INT ID

Agent’s Customer List View Page

* List all customers associated with a given Agent's INT ID (UI will list Name – last, first – and city, state in List View)
* Ability to Add New Customer
* Ability to Delete Existing Customer

Agent’s Customer Detail Page

* Return all customer data from our system.
* Provide ability to Update Customer Information

Exercise Delivery for Code Review

The preferred delivery method of this assignment would be to provide a GitHub or BitBucket URL that allows us to download & review your work. Emailing a zip file is also an acceptable delivery method.

Given that developers make a habit of crowd-sourcing an issue at hand by browsing Stack Overflow (and/or similar resources) in order to gain insight/direction of “borrow” a working solution – please assume that other developers will be applying for the same position. Please do not name your Repo “QuoteWizard” - please provide a more generic name like “*MegaCorp Example*” or “*Widget101*” or “*Melting Banana-Face*" - **just don’t reference “QuoteWizard” in the repo name or files to protect your exercise from being “*borrowed*” by others**.