

Compatibility Test for Python

Please find below the coding assignment, as part of your technical evaluation. We understand that a proper solution would take days, but please remember, a perfect solution doesn't exist.

"Shopbridge" needs you build a web app that helps track different items they have for sale.

We understand that this requires a frontend-backend solution. As a backend developer, your job will be to provide the backend solution. Use minimal frontend to supplement your backend solution.

Requirements:

1. Use Python and Flask to implement the API for "Shopbridge" to perform the following actions:

1. Add a new item to the inventory (The item should require a name, description, and price as basic fields, think of additional information that would be useful)

2. Modify an item in the inventory.

3. Delete an item from the inventory.

4. List all the items in the inventory.

5. Bulk insert items into the inventory using .csv or .json files.

2. Use a relational database (SQL Server, Postgres etc.) and any ORM you feel comfortable with for any persistent data/storage needs. All the functions in the previous points need to be served by an API and the data in the inventory should be persisted across restarts.

3. Use PyTest/unittest to perform unit testing for all API endpoints trying to cover atleast 85% of code.

4. Please ensure the following points as well:

1. All API calls should be asynchronous

2. Include data validations for all API endpoints taking inputs.

3. Exception handling needs to be present wherever applicable.

Submission Requirements:

1. The code should be submitted via GitHub, BitBucket, GitLab in a public repository.

2. Ensure that the code is deployment ready.

3. Simple and minimal design, you can use any extra packages you want to.

4. The code repo should have supporting/relevant documentation showing all endpoints and detailed steps on how to run the application.

Imp: Do not send an invite to collaborate. Add the code/deliverables to a public repository and share the link to the same to the following email id's:

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