

Intuit Back End Tech Assessment Business Case:

You are building a Marketplace for Self-Employed. The marketplace allows employers to post jobs, while prospective self employed can bid for projects. In this system, you have two actors:

1. Seller : Posts a project with detailed project requirements, such as description, maximum budget and last day/time for accepting bids. □
2. Buyer (Self-Employed): Bids for work on a fixed price. □

Requirements:

1. Design and Implement REST API to support the following requirements:
 - a. Create a Project. □
 - b. Get a Project by ID. Returned fields should include the lowest bid amount, which should be calculated efficiently.
 - c. Add new bid.
2. The Buyer with the lowest bid automatically wins the bid when the deadline is reached. A user can bid more than once. There can be more than 1 bid and there can be multiple bids.
4. In-memory database is sufficient. Optionally, you are welcome to use a persistent data □store of your choice.
5. You are encouraged but not required to take advantage of a service code-generation □framework of your choice when performing this exercise. □
6. To demonstrate coding mastery, implement an auto-bid feature. (This should be implemented only if you are able to get the previous app/code working). If you are not able to implement auto-bid, we will still accept your submission.

Expectations:

- 1.This is an open-ended exercise. The goal is to demonstrate how well you design a □system with limited requirements.

2. The code/app should work and meet high-level requirements.
3. Pseudo-code and (comment out) 1-3 tests. (This will give us insight on how structure your code for testing and how you think about and/or implement tests). If you have time to implement 1 or more tests, even better.
4. You are expected to explain the rationale for your choice of technologies and ☐ architectural and design patterns. ☐ (Comment out & place at the top of your file)