

Backend Test

Build an auction system to the following requirements with a BE language & framework of your choice:

- Multiple auctions can run concurrently
- Multiple bids can come in concurrently
- Each auction item must have a starting price and time limit for bidding
- Once the time limit is reached, the auction chooses the highest bid
- Implement a mechanism to handle auction completion when the time limit is reached or when no more bids are placed
- Ensure that the system is efficient

We do not place any requirements on the exact api framework or database or libraries you have to use, but if you wanted some more guidance, feel free to reach out!

Deliverables:

- A private repo with all code/docs/tests. Please invite [solipsis](#) / [seongyun-ko](#) / [tamebadger](#)
- Tests showcasing all core functionality
- A design document explaining the details
- A README with setup and usage instructions
- Total hours that you spent (just to iterate on this test spec)