Problem Statement

You happen to be a budding entrepreneur and you have come up with an idea to build an ecommerce giant like amazon, flipkart, walmart, etc. As part of this ambition, you want to build a platform to duplicate the concept of **Limited Time Deals.**

Limited Time Deals
A limited time deal implies that a seller will put up an item on sale for a limited time period, say, 2 hours and will keep a maximum limit on the number of items that would be sold as part of that deal.
- Users cannot buy the deal if the deal time is over
- Users cannot buy if the maximum allowed deal has already been bought by other users.
- One user cannot buy more than one item as part of the deal.

Task is to create APIs to enable following operations
- Create a deal with price and number of items to be sold as part of the deal
- End a deal
- Update a deal to increase the number of items or end time
- Claim a deal

Guidelines

- Document and communicate your assumptions in README.
- Create a working solution with production quality code.
- Use an external database like postgres/mysql or any noSQL database
- Define and Create APIs to support the operations mentioned above
- Define the associated entities related to inventory by creating relevant tables in Database. You do not need to create APIs to manage inventory
- Write few unit tests for the most important code

What are we looking for?

- Your approach towards the solution
- How you write code in terms of readability and maintainability
- Designing Database Schema
- Usage of best practices
- Testing skills

Out of scope : Handling at large scale