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