Problem

We would like to provide our sales team a way to customize warehouse storage pricing for our customers.

Requirements

1. The flat fee for storing a single item is $20, applicable to all customers.
2. Customer A will receive a 10% discount.
3. Customer B stores large items, and will be charged at $1 per unit of volume.
4. Customer C is to be charged 5% of the value of the item being stored.
5. Client D will have a 5% discount for the first 100 items stored, 10% discount for the next 100, and then 15% on each additional item, and be charged at $2 per unit of volume for all items.

Task

1. The project is to be developed in Rails, or Node with the framework of your choice.
2. Write an endpoint to create pricing for each of the customers given the conditions above.
3. Write an endpoint which will quote any customer with the expected price given n storage items.

   The input is as follows:

```
1 ▾ {
2 ▾   "items": [
3 ▾     {
4         "name": "Fridge",
5         "length": "3",
6         "height": "6",
7         "width": "4",
8         "weight": "300",
9         "value": "1000"
10      },
11 ▾    {
12        "name": "sofa",
13        "length": "6",
14        "height": "4",
15        "width": "3",
16        "weight": "100",
17        "value": "500"
18      }
19    ]
20 }
```

4. The endpoints and standalone classes/functions should have sufficient unit test coverage
5. Data should be persisted and the solution should be scalable. For example, a user should be able to change the flat fee to $10 without deploying new code.
6. Provide documentation on how to start the application and make API calls.
7. Please submit the completed project by providing us the URL of the git repository. Additionally, you may provide us a URL to a deployed version of the project.