

# Assessment - Backend

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Create a REST API for managing inventory of an ecommerce site (like DeliveryHobe) using Node and the framework and DB of your choice (we like NestJS and PostgreSQL, but feel free to use others)

## Requirements

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- Entities
  - Product
  - Warehouse
  - Area
- Must-have information on entities:
  - Product
    - Name
    - Selling Price
    - Description
    - Inventory
  - Warehouse
    - Name
    - Address
    - Area
    - Contact info
    - List of available products
    - A sourcing price specific to this warehouse for each of the available products

## The application should have:

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- An endpoint listing Products
- Products should be filterable by Area, or Warehouse
- Product search (preferably the search should use both name and description)
- An endpoint for customers to checkout some items
- Checkout should update the inventory
- There should be an endpoint for “re-stocking” inventory and “marking as stocked out”
- Having some form of authentication and authorization will be a huge plus
- Use Git for version controlling
- Dockerizing the application would be considered a positive

- Deploy the app on a platform such as Heroku (feel free to choose others)
- **Once you're done:** email me (<mailto:fatemi@shobhobe.com>), back the link to the live app as well as the Git Repo by Sunday, August 22 2021 12:00:59 GMT+0200

## Your work will be assessed based on:

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- Coding standards.
- Implementation of features.
- Code maintainability.
- Code readability
- Type of changes and frequency of your git commits.

*Looking forward to seeing some wonderful code. Good luck.*