

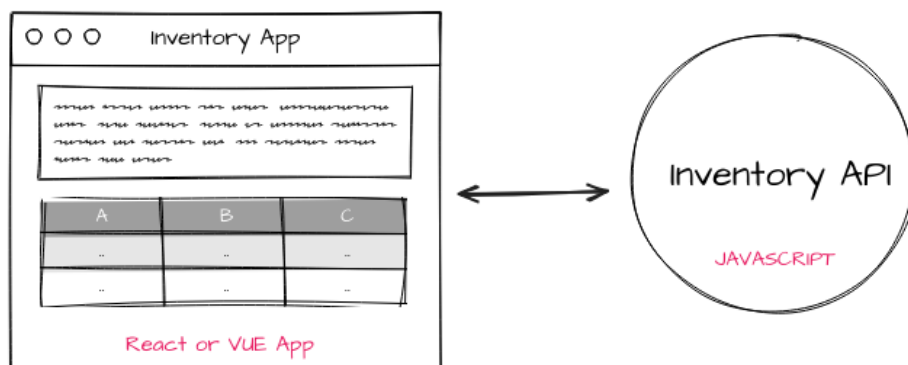


As part of our application process, we'd like to see what you can produce by giving you an assignment.

## The Assignment

We would like you to create an invoicing application. The application consists of 2 parts:

- Inventory App - for viewing and creating
- Inventory API - an api for application



**Inventory API** is a restful API which saves device's data, posted from Inventory App and returns to Inventory App.

### Acceptance Criteria

- It should return data with newest to oldest order
- It should be well designed for future implementations
- It should follow REST standards
- It should be well tested (big plus)
- It should be dynamic. You can choose any database solution.

**Inventory Application** is a web application for viewing and creating inventory records.



## Acceptance Criteria

- It should be written using React or Vue (preferably React)
- It should have functionality such as create and viewing records
- It should have component based architecture
- It should have responsive layout
- It should get data from **Inventory API**
- *It should have extra functionality such as delete and editing records (for extra, not required)*

The image shows a web application interface for an inventory system. At the top, there's a header bar with the text "Inventory App". Below this, there's a form titled "Yeni Envanter" (New Inventory). The form has three input fields: "Envanter Adı" (Inventory Name), "Envanter Tipi" (Inventory Type), and "Adet" (Quantity). The "Envanter Tipi" field is a dropdown menu with a list of options: "Tip", "Bilgisayar" (Computer), "Monitör" (Monitor), "Klavye" (Keyboard), and "Yazıcı" (Printer). The "Adet" field is a numeric input with a value of 5. There is a "Kaydet" (Save) button next to the inputs. Below the form, there's a section titled "Envanter Listesi" (Inventory List). It contains a table with three columns: "Envanter Adı", "Envanter Tipi", and "Envanter Adedi" (Inventory Count). The table has three rows of data:

Envanter Adı	Envanter Tipi	Envanter Adedi
ACME Computer	Bilgisayar	100
ACME Keyboard	Klavye	50
ACME Printer	Yazıcı	250

## Inventory App Example Design

## CI/CD Acceptance Criteria

- Application should be dockerized. It has to support docker-compose



- Tests should run before each deployment

**You can use Github Actions for pipelines.**

Commit history is important so that provide us useful information about what has changed and why.

**Note:**

This assignment is specially designed for hiring process so do not share this file with anyone.

If you have a question about assignment, you can reach us.