

**Title: Backend Development Challenge****Deadline:- 24 Hours****Objective:**

The objective of this assignment is to assess your backend development skills, specifically in building a RESTful API. You are encouraged to utilize the resources available to you, such as Chat GPT, Google, and other web resources, to complete the task. However, please note that during the interview, you will be expected to explain your solution and the thought process behind it.

**Note –**

**1. The Assignment should be built using express.js.**

**2. The task needs to be completed and turned in within 24 hours. Code should be hosted on GitHub as a public repository and the link to the same should be shared to the email-[abdul.aziz@centeuno.com](mailto:abdul.aziz@centeuno.com)**

Create 2 APIs that will return the requested data from the accompanying json file, item\_list.json.

**1. Product List**

Send the list of 'n' items specified in query parameter 'size', offset by an amount in query parameter 'page'. The requirement is that the list should be paginated based on the request query. This list should only return the id, item\_name and item\_image and item\_price of the product.

+ Endpoint = /api/products/list?size={no\_of\_items}&page={offset}

+ Method = GET

+ Response = [

```
{
  "id": [number],
  "item_name": [string],
  "item_image": [string],
  "item_price": [number],
}
...
]
```

**2. Product detail**

Send the details of a product based on the requested resource. The product id will be sent in the request url where it must be identified and the correct product sent. All the details of the product must be sent.

+ Endpoint = /api/products/:id

+ Method = GET

+ Response = {

  "id": [number],

  "item\_name": [string],

  "item\_image": [string],

  "import\_date": [string],

  "expiration\_date": [string],

  "item\_price": [number],

  "item\_quantity": [number],

  "item\_weight": [number],

  "item\_tax": [number],

  "item\_availability": [boolean]

},