API Calling

1. **Company API:** To Create new company and get companies from DB

   (**Not require but to make it easier for myself**)

   I. **create New Company**

   (send Json Body contain Company Name and the Return will be the model after Creation)

   Request Path: server /api/Company (HttpReqest [post])

   Request:

   ```
   {
     "name": "string"
   }
   }
   ```

   Output:

   ```
   {
   "statusCode": 200,
   "data": {
     "id": "e04d369b-bdf9-4fc8-7737-08da05920e6a",
     "name": "string",
     "sendingRegistrations": null,
     "receivingRegistrations": null
     }
   }
   ```

   II. **Get All Companies from database**

   (Send empty Json Body and the Return will be List of Companies details)

   Request Path: server /api/Company (HttpReqest [Get])

   (Send Json Body contain Company Name and the Return will be the model after Creation)

   Request:

   Output:

   ```
   {
               "id": "e04d369b-bdf9-4fc8-7737-08da05920e6a",

                "name": "string",

             "sendingRegistrations": null,

              "receivingRegistrations": null

       },
   ```

2. EndPoints API: Task End Points

I. create a new registration

(send Json Body contain registration details and the Return will be the model after Creation)

Request Path: /api/EndPoints (HttpReqest [post])

Request:

```
{

  "sendingCompanyID": "eaf5f253-b1fc-4a84-ad0f-c4ffebc5d9f3",

  "receivingCompanyID": "e91e5070-9cd4-4849-a159-cf69fafdcc2d",

  "quantity": 5

}
```

Output:

```
{

    "statusCode": 200,

    "data": {

          "id": "ca24d52f-9903-4c1b-aff4-08da0595e098",

          "sendingCompanyID": "eaf5f253-b1fc-4a84-ad0f-c4ffebc5d9f3",

          "receivingCompanyID": "e91e5070-9cd4-4849-a159-cf69fafdcc2d",

          "quantity": 5,

          "createdAt": "2022-03-14T08:37:30.2698825Z",

          "sendingCompany": null,

          "receivingCompany": null

       }

    }
```

II. **retrieving all registrations for a specific company (Sending or Receiving).**

(Send company ID in header and the Return will be the model after Creation)

Request Path: /api/EndPoints/companyID (HttpReqest [Get])

Request: company ID in header (/api/EndPoints/companyID)

Output:

```
"[
  {
    "id": "6f9317a0-4f78-4245-8835-884bdba449b5",
     "name": "Crocobite4",
      "sendingRegistrations": [
         {
            "id": "dff972cd-6eeb-447c-affc-08da0595e098",
            "sendingCompanyID": "6f9317a0-4f78-4245-8835-884bdba449b5",
            "receivingCompanyID": "eaf5f253-b1fc-4a84-ad0f-c4ffebc5d9f3",
             "quantity": 5,
             "createdAt": "2022-03-14T08:46:30.7231078",
             "receivingCompany": null
          }
        ],
      "receivingRegistrations": [
        {
           "id": "ed1876f7-a366-4282-affd-08da0595e098",
           "sendingCompanyID": "fd6e2349-7965-45bd-7738-08da05920e6a",
           "receivingCompanyID": "6f9317a0-4f78-4245-8835-884bdba449b5",
           "quantity": 5,
           "createdAt": "2022-03-14T08:46:35.8768311",
           "sendingCompany": null
        }
       ]
     }
    ]
```

III. **returns the total Quantity sum of registrations for a specific company. (Sending or receiving).**
(Send company ID and the Return will be the model after Creation)
Request Path: /api/EndPoints/SumOfQuantities (HttpReqest [Get])

Request: company ID

Output:

```
[
  {
    "id": "6f9317a0-4f78-4245-8835-884bdba449b5",
    "name": "Crocobite4",
    "totalSumOfQuantities": 10,
    "sumOfSendingQuantity": 5,
    "sumOfReceivingQuantity": 5
  }
]
```