

AsiaYo Pretest- Engineering Intern

【Job position】

- Engineering intern

【Test description】

1. Reply format: no required format.
2. Reply date: please reply in 3 days after you get the test and please reply to

- chinsheng.tseng@asiayo.com
- ian.chen@asiayo.com
- hr@asiayo.com

Thank you.

【Test 1. API Test】

Let's say, AsiaYo will create a new API for partners to get their orders. There are some requirements that must be completed.

1. Implement the GET orders API with the programming language best for you.
- The request sample

GET {local}/api/v1/orders?startDate=2022-01-01&endDate=2022-01-31
--

- Query parameters

Name	Description e.g.
startDate	Start date for fetching orders data. 2022-01-01 Requests can specify a start date formatted as YYYY-MM-DD
endDate	End date for fetching orders data. 2022-01-31 Requests can specify an end date formatted as YYYY-MM-DD .

- Response

```
{
  "orders": [
    {
      "property": {
        "id": integer,
        "name": string
      },
      "room": {
        "id": integer,
        "name": string
      },
      "price": string
    },
    ...
  ]
}
```

Name	Description Value
orders	The array of orders data array
property	The object of hotel information object
property.id	Hotel id integer
property.name	Hotel name string

room	The object of room information object
room.id	Room id integer
room.name	Room name string
price	Order price string

2. Unit test is required for this implementation.

3. Compose a document on how to set up the project.

4. Push your code to GitHub, GitLab or BitBucket and send us the link of the repository.

Reference. Database schema (This schema only shows required columns, you can add more columns.)

properties	
Name	Description Value
id	Hotel id integer
name	Hotel name string

rooms	
Name	Description Value
id	Room id integer
properties_id	Hotel id integer
name	Room name string

orders

Name	Description Value
id	Order id integer
room_id	Room id integer
price	Order price double
created_at	Order created time timestamp

【Test 2. Use API to get data】

Using the JavaScript Fetch API to get data from the previous question and implement "the Order List UI" like below.

Order ID	Property Name	Room Name	Price
1	Property 1	Room 1	\$ 1,000
2	Property 2	Room 2	\$ 900
3	Property 3	Room 3	\$ 799