Python API Development Assignment

REST stands for REpresentational State Transfer and is an architectural style used in modern web development. It defines a set or rules/constraints for a web application to send and receive data

```python
import requests
api_url =
"http://localhost:8080/api/external-books?name=:nameOfABook"
response = requests.get(api_url)
response.json()
{'userId': 1, 'id': 1, 'title': 'delectus aut autem', 'completed':
False}

response.status_code
200

response.headers["Content-Type"]
'application/json; charset=utf-8'
```

```
JSON
{
 "status_code": 201,
"status": "success",
"data": [
{ "book": {
"name": "My First Book",
"isbn": "123-3213243567",
"authors": [
"John Doe"
],
"number_of_pages": 350,
"publisher": "Acme Books",
"country": "United States",
"release_date": "2019-08-01"
} }
]
}
```

```
}
```

```python
>>> import requests
>>> api_url = "https://jsonplaceholder.typicode.com/todos"
>>> todo = {"userId": 1, "title": "book", "completed": False}
>>> response = requests.post(api_url, json=todo)
>>> response.json()
{'userId': 1, 'title': 'Buy milk', 'completed': False, 'id': 201}

>>> response.status_code
201
```

GET /getlist

```
JSON {
"status_code": 200,
"status": "success",
"data": []
}
response ={
"status_code": 200,
"status": "success",
"data": [
{
"id": 1,
"name": "A Game of Thrones",
"isbn": "978-0553103540",
"authors": [
"George R. R. Martin"
],
"number_of_pages": 694,
"publisher": "Bantam Books",
"country": "United States",
```

```json
      "release_date": "1996-08-01"
    },
    {
      "id": 2,
      "name": "A Clash of Kings",
      "isbn": "978-0553108033",
      "author": [
        "George R. R. Martin"
      ],
      "number_of_pages": 768,
      "publisher": "Bantam Books",
      "country": "United States",
      "release_date": "1999-02-02"
    }
  ]
}
```

or precisely this JSON if the Books API returns no results:

```json
{
  "status_code": 200,
  "status": "success",
  "data": []
}
```