

# 10-3

資料存取


RESTful Service設計



注入CustomersRepository

@GetMapping配置，設定produces回應的MIME Type為application/json

```
@RestController
public class CustomersService {
    //Attribute
    //注入JpaRepository
    @Autowired
    private CustomersRepository customersRep;
```



//查詢所有客戶服務

```
@GetMapping(path="/api/customers/all/rawdata", produces="application/json")
public ResponseEntity<Customers> customersAllQry() {
```

//透過工廠進行資料存取

RESTful服務回應資訊

客製化Http Status Code

客製化不同的Http Body JSON

使用ResponseEntity物件回應

```
//查詢所有客戶服務
@GetMapping(path="/api/customers/all/rawdata",produces="application/json")
public ResponseEntity<Customers> customersAllQry() {
    //透過Jpa進行資料存取
    List<Customers> result=customersRep.findAll();
    //建構ResponseEntity物件
    @SuppressWarnings("rawtypes")
    ResponseEntity response=null;
    if(result.size()>0) {
        response=ResponseEntity.ok(result);
    }else
    {
        //無客戶資料
        //建構訊息物件
        Message message=new Message();
        message.setCode(400);
        message.setMsg("查無任何客戶資料");
        response=ResponseEntity.status(400).body(message);
    }
}
```

http://localhost:8080/api/customers/all/rawdata

GET http://localhost:8080/api/customers/all/rawdata

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "customerId": "A8001",
4     "companyName": "中興工程",
5     "address": "台北市館前路",
6     "phone": "02-12345678",
7     "country": "中華民國"
8   },
9   {
10    "customerId": "AA099",
11    "companyName": "巨匠台中",
12    "address": "台中逢甲路",
13    "phone": "04-1234567",
```

Body Cookies Headers (5) Test Results

Status: 200 OK

KEY	VALUE
Content-Type	application/json
Transfer-Encoding	chunked
Date	Sat, 27 Aug 2022 23:07:28 GMT
Keep-Alive	timeout=60
Connection	keep-alive



## 總結：10-3 資料存取RESTful Service設計

學習到如何透過 ResponseEntity回應不同訊息狀態與JSON格式，接下來我們來看看URL參數傳遞架構應用。

