Apache HttpClient 請求實作



第十一單元大綱

- 11-1 Apache HttpClient請求實作
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Apache HttpClient-HttpComponents應用



撰寫前端可使用java.net api底層寫法

可以使用Apache HttpComponents Third Party API

Aapache Http Components是專注在Java Http Client底層API功能集

是基於Java.io與java.nio 非阻塞模組發展出針對Http協定發展出的驅動模組

https://github.com/apache/httpcomponents-client



Spring Boot Maven專案配置Apache HttpComponents



使用Maven Repository找出相對版本的Apache HttpComponents 配置

配置專案pom.xml



- 🖟 👼 hibernate-core-5.6.9.Final.jar C:\Users\brett\.m2\re
- HikariCP-4.0.3.jar C:\Users\brett\.m2\repository\co
- ➡ httpclient5-5.1.3.jar C:\Users\brett\.m2\repository
- httpcore5-5.1.3.jar C:\Users\brett\.m2\repository\
- httpcore5-h2-5.1.3.jar C:\Users\brett\.m2\reposito
- 📠 istack-commons-runtime-3.0.12.jar C:\Users\brett
- > 👼 jackson-annotations-2.13.3.jar C:\Users\brett\.m2\
- > Mackson-core-2.13.3.jar C:\Users\brett\.m2\reposito
- > 🚠 jackson-databind-2.13.3.jar C:\Users\brett\.m2\rep



Apache HttpClient API使用



使用HttpClient介面

使用HttpClients工廠模式產生CloseableHttpClient物件

建構HttpXxx物件配合Http Request Method架構

執行請求獲取回應的HttpResponse物件,進行資訊處理

org.apache.hc.client5.http.classic

Interface HttpClient

All Known Implementing Classes:

CloseableHttpClient, MinimalHttpClient

org.apache.hc.client5.http.impl.classic

Class HttpClients

java.lang.Object

org.apache.hc.client5.http.impl.classic.HttpClients

public final class HttpClients
extends Object

Factory methods for CloseableHttpClient instances.

Class Summary	
Class	Description
ClassicHttpRequests	Deprecated Use ClassicRequestBuilder
HttpDelete	HTTP DELETE method.
HttpGet	HTTP GET method.
HttpHead	HTTP HEAD method.
HttpOptions	HTTP OPTIONS method.
HttpPatch	HTTP PATCH method.
HttpPost	HTTP POST method.
HttpPut	HTTP PUT method.
HttpTrace	HTTP TRACE method.
HttpUriRequestBase	



總結:11-1 Apache HttpClient請求實作

了解Aapache HttpClient元件應用架構之後,接下來我們透過Ubike Open Data進行串接服務設計。

