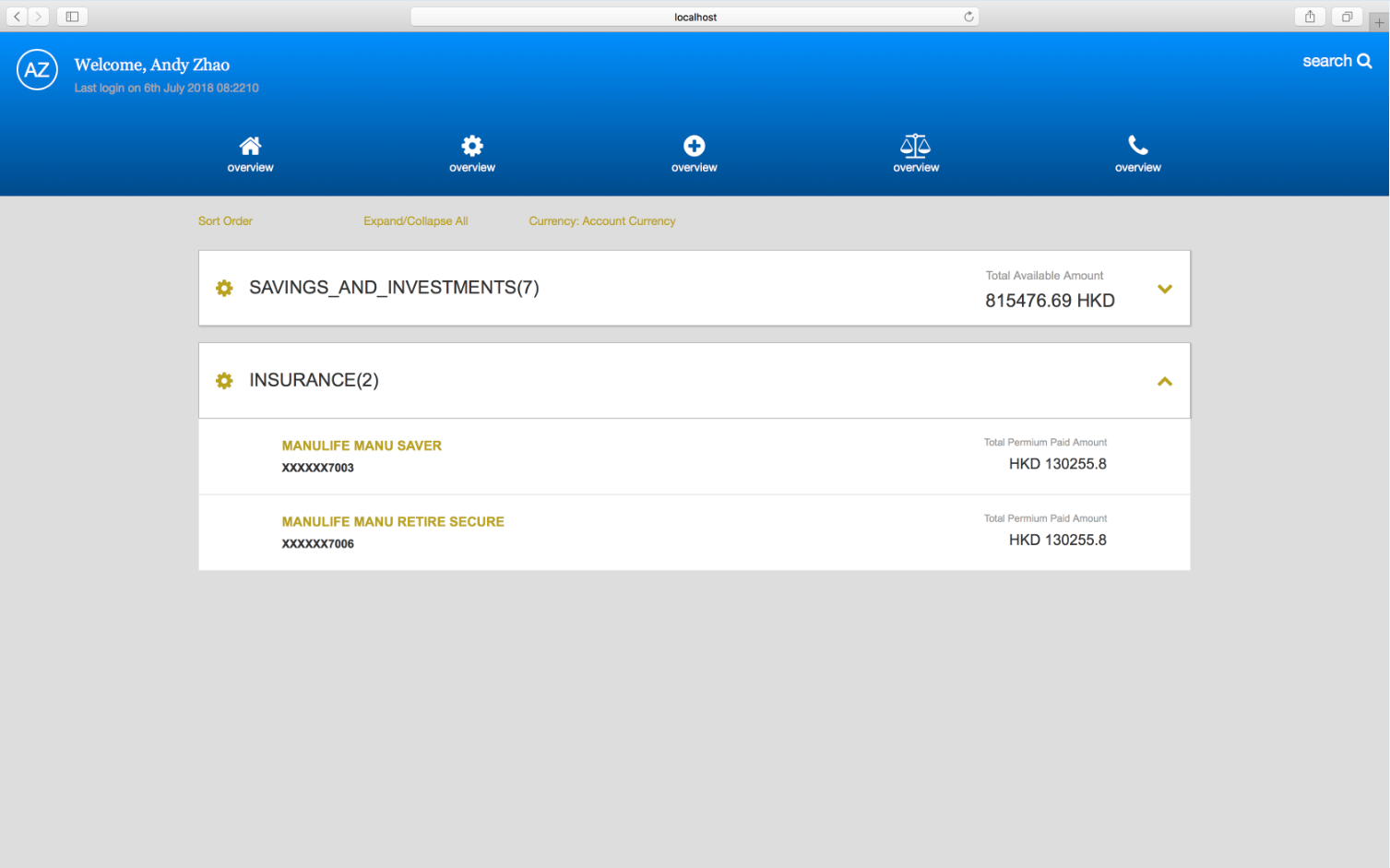
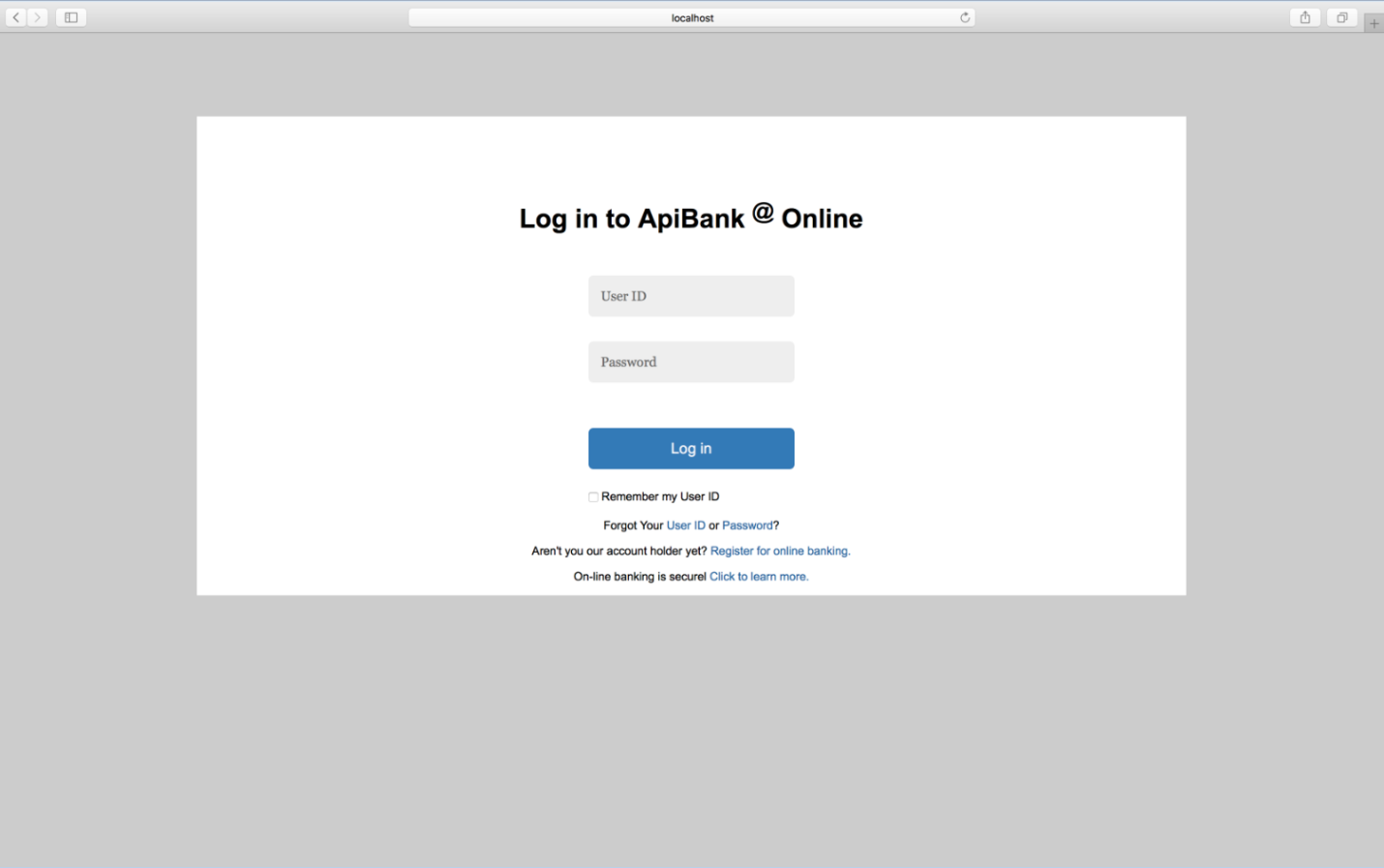
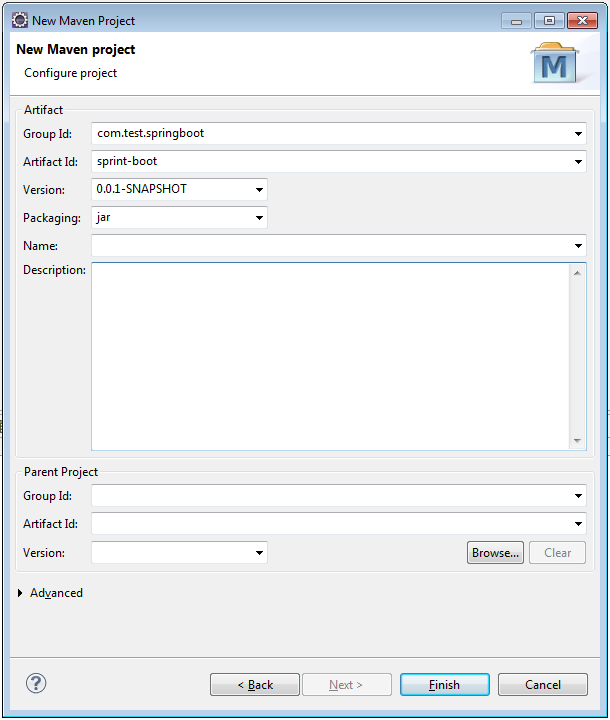
API使用文档（Java版）

1. **项目展示**



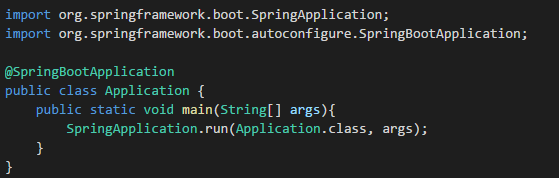
1. **项目步骤**
   1. **创建一个maven project**



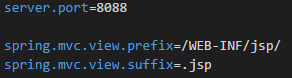
* 1. **编辑pom.xml，添加依赖**



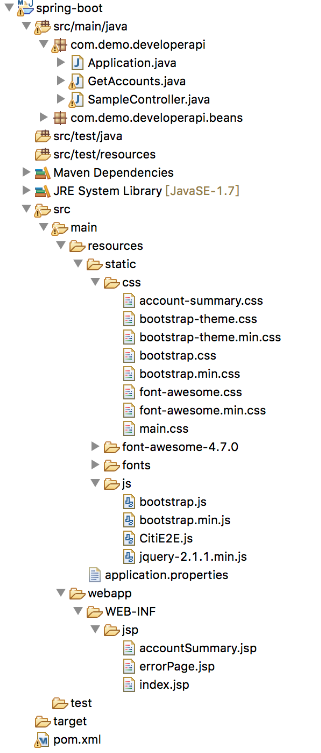
* 1. **创建Application.java用于启动程序**



* 1. **创建application.properties文件，定义端口号，添加jsp路径**



* 1. **项目结构**



1. **API具体实现**
   1. **参考以下教程获取Client Id/Client Secret**

[https://sandbox.developerhub.citi.com/get-started#guide-title-705](https://sandbox.developerhub.citi.com/get-started" \l "guide-title-705)

(我的注解:通過新創一個app得到的clientID和clientSecret)

* 1. **API1 --- 获取客户端Access Token**

**Url:**

<https://sandbox.apihub.citi.com/gcb/api/clientCredentials/oauth2/token/au/gcb>

**Method:**

POST

**Request header:**

accept: application/json

authorization: 由client id及client secret拼接而成

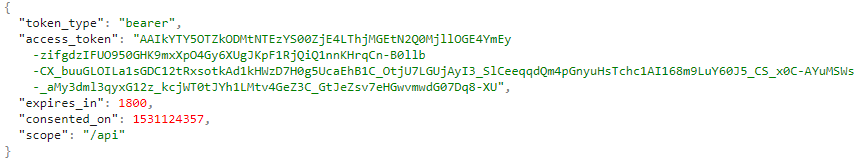
content-type: application/x-www-form-urlencoded

**Request body:**

grant\_type: client\_credentials

scope: /api

**Response body:**



**拼接authorization**



* 1. **API2 --- 获取modulus/exponent/bizToken/eventId**

**Url:**

<https://sandbox.apihub.citi.com/gcb/api/security/e2eKey>

**Method:**

GET

**Request header:**

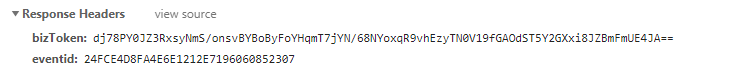
authorization: 由客户端access token(API1)拼接而成

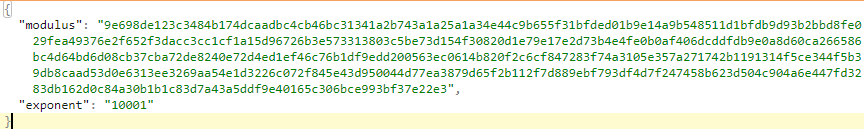
client\_id: Client Id

uuid: 由java.util.UUID生成

content-type: application/json

**Response header:**



**Response body:**

**拼接authorization**



* 1. **API3 --- 获取登陆Access Token**

**Url:**

<https://sandbox.apihub.citi.com/gcb/api/password/oauth2/token/au/gcb>

**Method:**

POST

**Request header:**

authorization: 由client id及client secret拼接而成

bizToken: bizToken(API2)

uuid: 由java.util.UUID生成

content-type: application/x-www-form-urlencoded

accept: application/json

**Request body:**

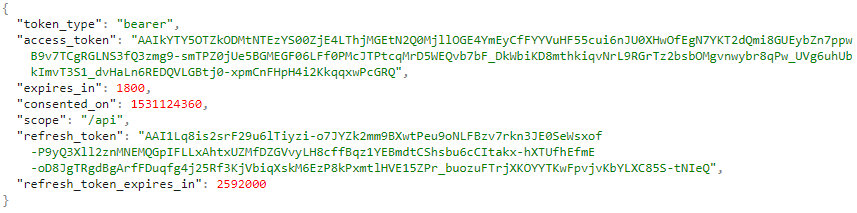
grant\_type: password

scope: /api

username: 用户登录输入的username

password: 用户登录输入后经过加密的password

**Response:**



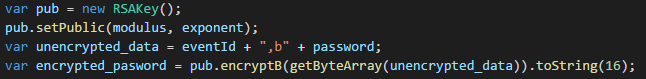
**拼接authorization**



**加密password**

需要参数modulus, exponent, eventId均来自API2

需要引入CitiE2E.js --- <https://www.citibank.com.hk/JSO/js/CitiE2E.js>



* 1. **API4 --- 获取用户帐户信息**

**Url:**

<https://sandbox.apihub.citi.com/gcb/api/v1/accounts>

**Method:**

GET

**Request header:**

authorization: 由登陆access token(API3)拼接而成

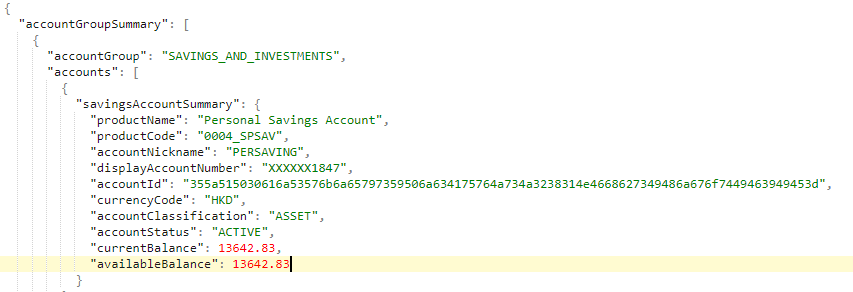
uuid: 由java.util.UUID生成

content-type: application/json

accept: application/json

client\_id: Client Id

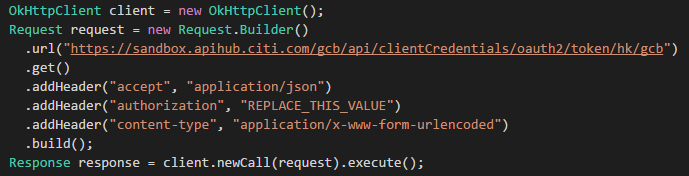
**Response body:**



**注：拼接authorization**



1. **API 请求方式**
   1. **GET**



* 1. **POST**

