NOTE:

create /Delete/ update /query

report /file/txt/pdf …

權限

status code

DB:my baits

2. fileter , token auth判斷

2. 統一異常處理

登录实际是对应的资源是 session，因此

GET /session # 获取会话信息  POST /session # 创建新的会话（登录）  PUT /session # 更新会话信息  DELETE /session # 销毁当前会话（注销）

而注册对应的资源是user，api如下：

GET /user/:id # 获取id用户的信息

POST /user # 创建新的用户（注册）

PUT /user/:id # 更新id用户的信息

DELETE /user/:id # 删除id用户（注销）

目錄:

1. DB schema

ER圖

2.使用流程

3.URL 格式 參數

檔案: report /file/txt/pdf??

權限 格式??

Token 格式？

4. 錯誤狀態碼

5. 測試

API 測試 : postman

自動化測試 : ??

6. 程式架構

Controller

Model

Mapper

Service

Dao

WebPage:

資料結構 resource:

Token{

exp:

}

Table:User , Item , UserMsg ,

User{

userID: (key)

userName:

userPassword:

userAuth:{1,2,4,8,16}

userToken:

}

Item{

userID:

itemID: (key)

itemTitle:

itemContent:

itemStatus:0,1

itemCreateTime

}

UserMsg{

msgGroupID:0 ,1 , 2 (0:全部 1: 2: )

userMsgId: (key)

status:0, 1

start\_time

}

msgContent{

userMsgId

msg\_type:

content:

}

流程:

1.

使用者在Auth server註冊

->登入

->取得權限&token

2.

向GW發送新增item API給AP Server

->GW驗證權限&token

->如果合法的話就往後面對應的系統送(AP Server)

3.

->使用者登入web介面後可以查看現在的Item列表

URL 格式:

<https://api.todoApp.com/v1/system>

[https://gwURL/](https://gateway/)v1/system/

功能:

Auth Server :

註冊

登入

取得權限 token

登出(jwt 沒有登出功能)

AP Server:

add Item

delete Item

update item

query item

?page=2&per\_page=100：指定第几页，以及每页的记录数。

?sortby=name&order=asc：指定返回结果按照哪个属性排序，以及排序顺序。

?animal\_type\_id=1：指定筛选条件

Resources:User

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Function | Method | Domain Name | URL Resource | Para | Response |
| 取得用戶資訊 | GET | <https://authserve>r/v1 | /user | userAuth userToken    userID | Statuscode  userName |
| 註冊 | POST | <https://authserve>r/v1 | /user | userName  userPassword | Statuscode |
| 更新用戶資訊 | PUT | <https://authserve>r/v1 | /user | userAuth userToken  userID  userName  userPassword | Statuscode |
| 刪除用戶 | DELETE | <https://authserve>r/v1 | /user | userAuth userToken  userID  userName  userPassword | Statuscode |

Resources:Auth

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Function | Method | Domain Name | URL Resource | Para | Response |
| 登入 | POST | <https://authserve>r/v1 | /auth | username  userPassword | statuscode  userAuth  userToken  userID |
| 更新  權限 token | PUT | <https://authserve>r/v1 | /auth | userAuth  userToken  userID | statuscode  userAuth  userToken |
| 登出 | DELETE | <https://authserve>r/v1 | /auth | userAuth  userToken  userID | Statuscode |

Resources:Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Function | Method | Domain Name | URL Resource | Para | Response |
| 增加item | POST | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  {title content state} | statuscode |
| 增加items | POST | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  {title content state}  {title content state}  {title content state} | statuscode |
| 取得item資料 | GET | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  itemID | statuscode  {itemid title content state} |
| 取得全部item資料 | GET | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID | statuscode  {itemid title content state}  {itemid title content state}  {itemid title content state} |
| 取得分頁資料item資料 | GET | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  page  per\_page | statuscode  {itemid title content state}  {itemid title content state}  {itemid title content state} |
| 屬性排序  屬性順序  item資料 | GET | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  num  sortby:  createTime  order :  ASC|DESC  由小至大/由大到小 | statuscode  {itemid title content state}  {itemid title content state}  {itemid title content state} |
| 增加item | POST | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  {title content state} | statuscode |
| 刪除item | DELETE | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  itemID | statuscode |
| 刪除items | DELETE | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  itemID  itemID  itemID | statuscode |
| 更新item | PUT | [https://apiGW/todolist/v1](https://authserve) | /items | userAuth  userToken  userID  itemID | statuscode |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Resources:userMsg

Resources:msgContent