

序號	Method	URL	Header	Body	Res	說明
1	GET	BaseURL/login	Content-Type: application/json	-	//登入頁面	
2	GET	BaseURL/static/dist/home	Content-Type: application/json Cookie: {token:TOKEN}	-	//主頁面	
3	GET	BaseURL/static/dist/Fishdatas/	Content-Type: application/json Cookie: {token:TOKEN}	-	//魚資料頁面	
4	POST	BaseURL/api/v1/account/login	Content-Type: application/json	username: 'a' password: 'p'	附件 5 //登入成功 403//登入失敗	登入請求 Level 越小權 限越大 Section 表示 管理區域
5	GET	BaseURL/api/v1/fish/table/?section=SECTION&fishesID=FISHESID	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	(附件 1)//取得成功 403 //取得失敗	取得 fish table FISHESID 舉 例 24,25 SECTION 舉 例: 001
6	GET	BaseURL/api/v1/fish/data/?section=SECTION&fishesID=FISHESID	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	{ "23": { "version": 3, "time": 6, "bc": 45,	取得最新資 料 FISHESID 舉 例 23,24

					<pre>"err": 7, "active": 1, }, "24": { "version": 3, "time": 7, "bc": 48, "err": 7, "active": 1 } }</pre> 403 //取得失敗	SECTION 舉 例: 001 level 需要 50
7	GET	BaseURL/api/v1/fish/history_data/?section=SECTION&fishesID=FISHESID&versions=VERSION	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	<pre>{ "25": { "version": 1, "time": 6, "bc": 45, "err": 7, "active": 1 }, "26": { "version": 2, "time": 7, "bc": 48, "err": 7, "active": 1 } }</pre>	取得舊版資料 FISHESID 舉 例: 23,24 SECTION 舉 例: 001 VERSION 舉 例:1,2 level 需要 50

					} 403 //取得失敗	
8	POST	BaseURL/api/v1/account/sign_up	Content-Type: application/json	username:'a' mail: 'm' password: 'p' section:'001'	200 //成功註冊 403 //註冊失敗	註冊請求
9	POST	BaseURL/api/v1/account/reset_password	Content-Type: application/json	username:'a' mail: 'm' password: 'p'	200 //已發送驗證碼 403 //重設失敗	重設密碼請求
10	POST	BaseURL/api/v1/account/reset_password_check	Content-Type: application/json	code: 'c'	200 //重設成功 403 //重設失敗	輸入驗證碼時的請求
11	POST	BaseURL/api/v1/account/logout	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	200 //登出成功 403 //登出失敗	
12	POST	BaseURL/api/v1/account/delete_user/	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	200 //註銷成功 403 //註銷失敗	
13	POST	BaseURL/api/v1/fish/data/?section=SECTION	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	'fishData': { '23': {'bc': 20, 'err': 2, 'active':0}, 24': {'bc': 20, 'err': 2,	200 //新增成功 403 //新增失敗	新增 fish 資料 level 需要 40

				'active':0} }		
	POST	BaseURL/api/v1/fish/control /?section=SECTION	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	(附件 2)	200 /控制成功 403 //控制失敗	控制 fish level 需要 60
14	GET	BaseURL/api/v1/account/list /?section=SECTION	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	{ "userID": 1, "username": "123", "email": "ppp1244qqq@gmail.com", "passcode": "1f1e62cf", "registrationTime": 1688901308939, "level": 20, "section": "nut" } 403//取得失敗	取得帳號資料清單 level 需要 20
15	POST	BaseURL/api/v1/account/revise/level	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	{ userID:"ab" newLevel:20, }	200 //更改成功 403 //更改失敗	更改帳號等級 level 需要 20

16	POST	BaseURL/api/v1/account/revise/section	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	{ userID:"ab" newSection:001 }	200 //更改成功 403 //更改失敗	更改帳號區域 level 需要 10
17	GET	BaseURL/api/v1/account	Content-Type: application/json Authorization: `Bearer \${TOKEN}`	-	{ "userID": 6, "username": "123", "email": "ppp1244qqq@gmail.com", "registrationTime": 1689694058284, "level": 10, "section": "001", "fishesID": { "001": { "23": 1, "24": 2 }, "002": { "25": 0, "26": 1 } } }	

18	GET	BaseURL/api/v1/video/?section=SECTION&video_uid=VIDEO_UID	Content-Type: application/json Authorization: `Bearer \${TOKEN}	-	//影片	SECTION 舉 例: 002 VIDEO_UID 舉例: 2
19	POST	BaseURL/api/v1/video/upload/?video_uid=VIDEO_UID	Content-Type: multipart/form- data	//影片	200//上傳成功 403//上傳失敗	VIDEO_UID 舉例: 2

附件 1:

```
"24": [  
  {  
    "version": 1,  
    "time": 6,  
    "bc": 45,  
    "err": 7,  
    "active": 1  
  },  
  {  
    "version": 2,  
    "time": 6,  
    "bc": 45,  
    "err": 7,  
    "active": 1  
  }  
],  
"25": [  
  {  
    "version": 1,  
    "time": 7,  
    "bc": 48,  
    "err": 7,  
    "active": 1  
  },  
  {  
    "version": 2,  
    "time": 7,  
    "bc": 48,  
    "err": 7,  
    "active": 1  
  }  
]  
]
```

附件 2:

```
{
  "fishControl":{
    "led":{
      "23":{
        "led1": {"r":11,"g":21,"b":22,"a":40},
        "led2": {"r":20,"g":21,"b":22,"a":40}
      },
      "24":{
        "led1": {"r":21,"g":21,"b":22,"a":40},
        "led2": {"r":22,"g":21,"b":22,"a":40}
      }
    },
    "motion":{
      "id": "23",
      "motion": 2
    },
    "mode":{
      "id": "23,24",
      "mode": 0
    }
  }
}
```

附件 3:參數定義表

section		active	
數值	定義	數值	定義
001	全區	0	關機中
002	北科	1	開機中
003	海科	2	維修中
004	先鋒		

附件 4:權限表

全區		分區	
Level	權限	Level	權限
10	修改帳號區域	20	修改帳號等級
20	修改帳號等級	40	寫入魚資料
30	更新魚版本，遠端測試	50	讀取魚資料
40	寫入魚資料	60	控制魚(LED、動作等等)
50	讀取魚資料	70	魚有哪些，水池影片
60	控制魚(LED、動作等等)		
70	魚有哪些，水池影片		

說明:

1. 同組 Level 數值較小的權限包括 Level 數值較大的權限
2. 控制魚的機制會暫時綁定給單一帳號(以免控制指令衝突)

附件 5

```
✓ {  
  "userID": 1,  
  "username": "123",  
  "email": "ppp1244qqq@gmail.com",  
  "registrationTime": 1690455466495,  
  "level": 10,  
  "section": "001",  
✓  "fishesID": {  
✓    "002": {  
      "3013": 1  
    }  
  },  
✓  "videoTime": {  
✓    "002": {  
✓      "1": {  
        "time": 162626962033,  
        "err": 1  
      },  
✓      "2": {  
        "time": 162626962033,  
        "err": 1  
      }  
    }  
  },  
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6IjEyMyIsIm1hdCI6MTY5MDQ2MDQwMywiZXhwIjoxNjkwNDY5NDZfQ.nE91IT0zdHSyFRh_eqdDZHFwXaMN?-nUARRkvOE"  
}
```