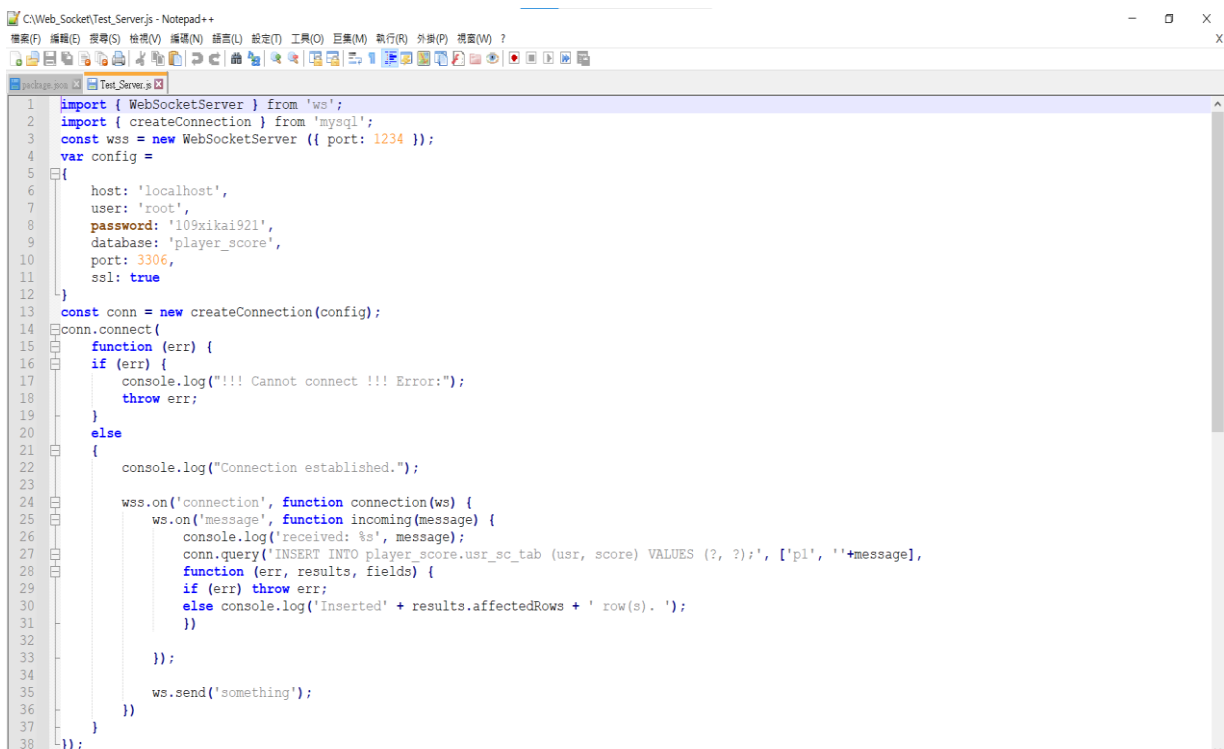


IOS APP 期中之前的第八週 word 作業

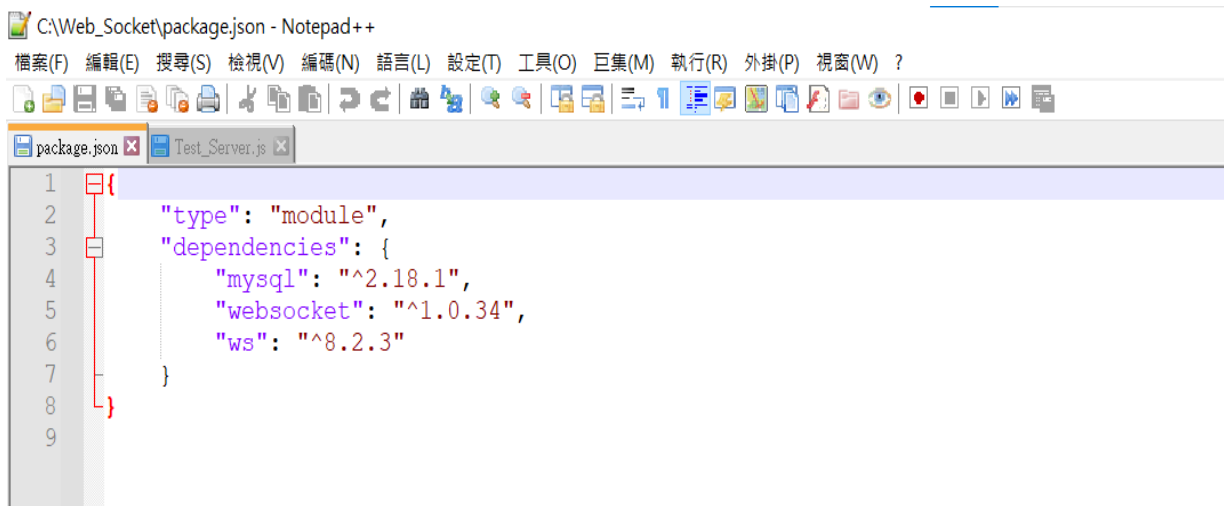
組員：109021337 陳璽凱、109021011 簡克宇、109021353 臧睿煜

題目：設計 construct2 的遠端 websocket 互動同時將戰績送到 mysql 功能

第 1 步：先寫 Test_Server.js 和 package.json



```
1 import { WebSocketServer } from 'ws';
2 import { createConnection } from 'mysql';
3 const wss = new WebSocketServer ({ port: 1234 });
4 var config =
5 {
6   host: 'localhost',
7   user: 'root',
8   password: '109xikai921',
9   database: 'player_score',
10  port: 3306,
11  ssl: true
12 }
13 const conn = new createConnection(config);
14 conn.connect(
15   function (err) {
16     if (err) {
17       console.log("!!! Cannot connect !!! Error:");
18       throw err;
19     }
20     else
21     {
22       console.log("Connection established.");
23     }
24     wss.on('connection', function connection(ws) {
25       ws.on('message', function incoming(message) {
26         console.log('received: %s', message);
27         conn.query('INSERT INTO player_score.usr_sc_tab (usr, score) VALUES (?, ?)', ['pl', '+message'],
28           function (err, results, fields) {
29             if (err) throw err;
30             else console.log('Inserted' + results.affectedRows + ' row(s). ');
31           })
32       });
33     }
34     ws.send('something');
35   })
36 )
37 }
38 );
```



```
1 {
2   "type": "module",
3   "dependencies": {
4     "mysql": "^2.18.1",
5     "websocket": "^1.0.34",
6     "ws": "^8.2.3"
7   }
8 }
9
```

第 2 步: 在 C:/Web_Socket 裡面，無法找到 mysql 遇到問題

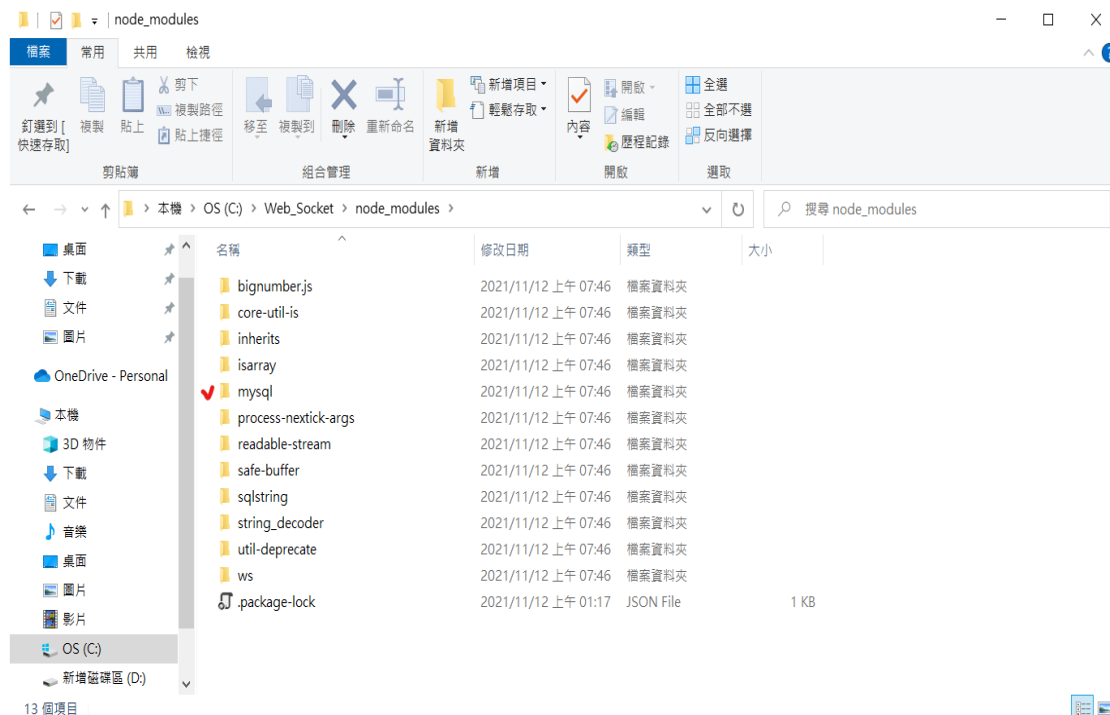
```
命令提示字元
Microsoft Windows [版本 10.0.19042.1288]
(c) Microsoft Corporation. 著作權所有，並保留一切權利。

C:\Users\ASUS>cd C:/WS

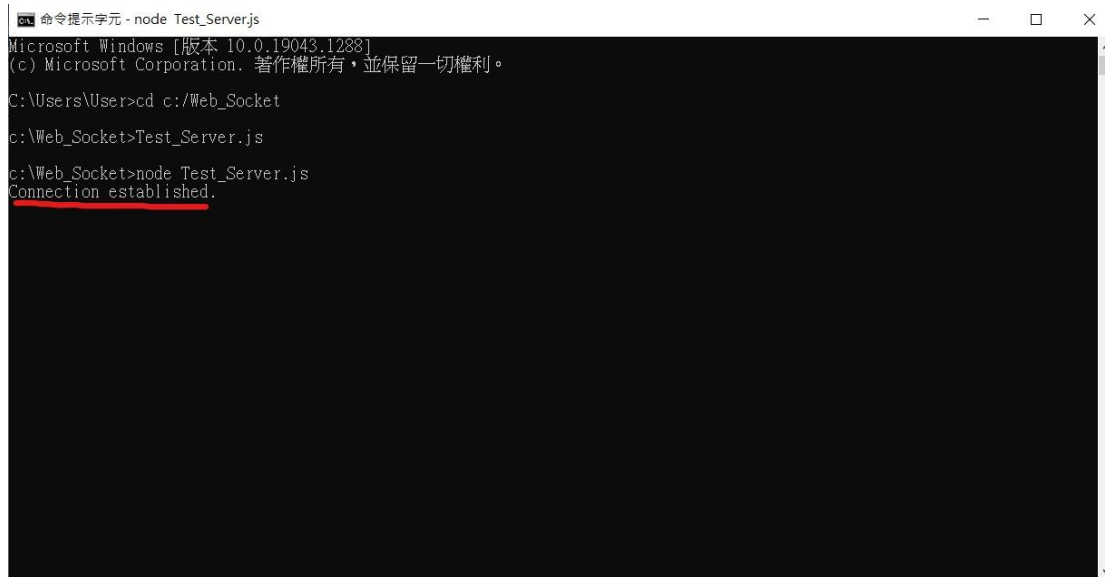
C:\WS>node Test_Server.js
node:internal/errors:464
    ErrorCaptureStackTrace(err);
    ^
Error [ERR_MODULE_NOT_FOUND]: Cannot find package 'mysql' imported from C:\WS\Test_Server.js
[90m   at new NodeError (node:internal/errors:371:5) [39m
[90m   at packageResolve (node:internal/modules/esm/resolve:884:9) [39m
[90m   at moduleResolve (node:internal/modules/esm/resolve:929:18) [39m
[90m   at defaultResolve (node:internal/modules/esm/resolve:1044:11) [39m
[90m   at ESMLoader.resolve (node:internal/modules/esm/loader:422:30) [39m
[90m   at ESMLoader.getModuleJob (node:internal/modules/esm/loader:222:40) [39m
[90m   at ModuleWrap.<anonymous> (node:internal/modules/esm/module_job:76:40) [39m
[90m   at link (node:internal/modules/esm/module_job:75:36) [39m {
  code: 'ERR_MODULE_NOT_FOUND'
}
```

第 3 步: 需要再 cmd 裡面 C:/ Web_Socket 下載 mysql

Run(`npm install mysql`)



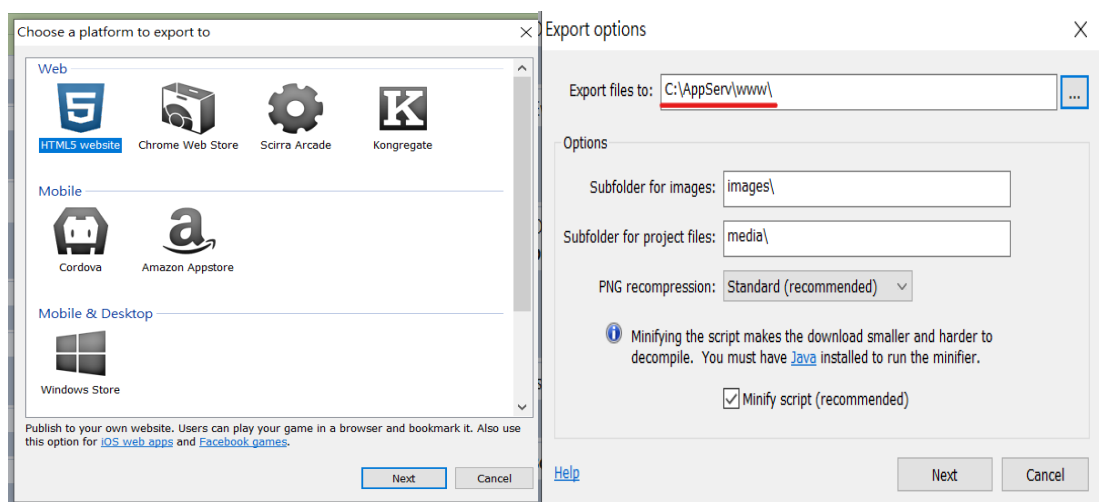
第 4 步: 在 CMD 輸入指令



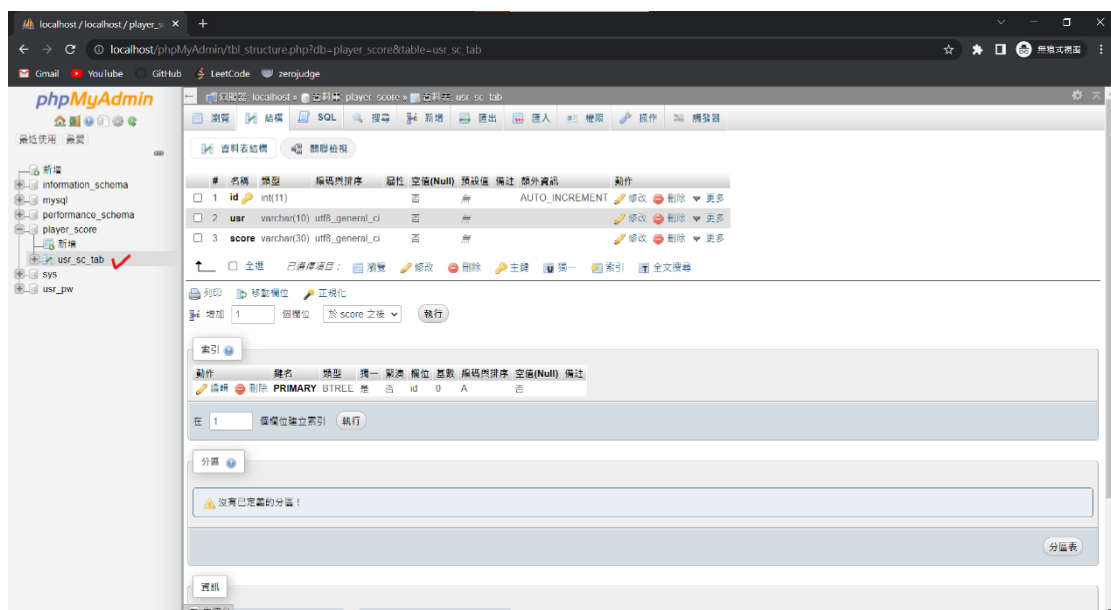
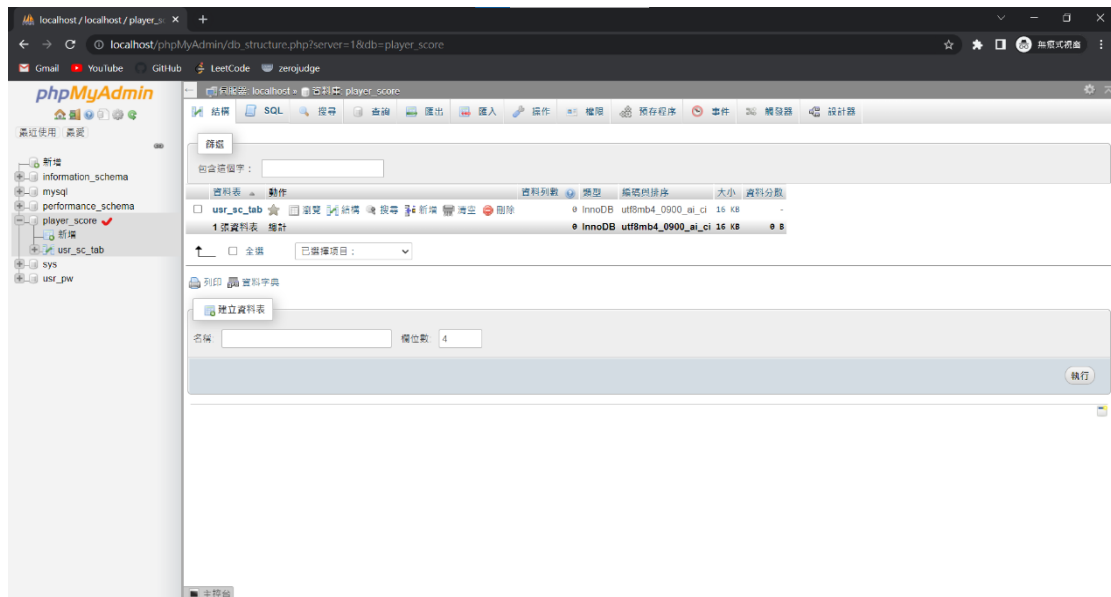
第 5 步: 在 construct2，編輯程式



第 6 步: 匯出 html 到 apache server / www



第 7 步: 在 mysql server 新增資料庫

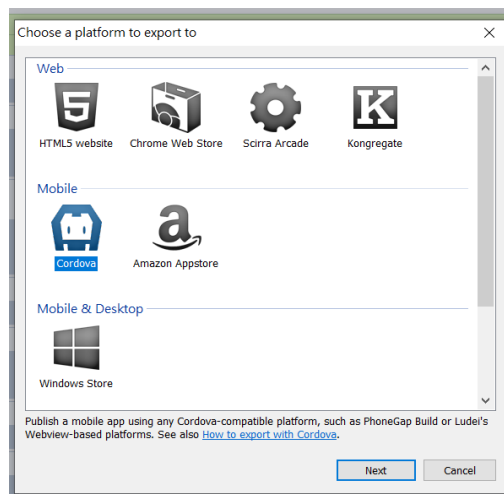


第 8 步: cordova html 執行程式結果

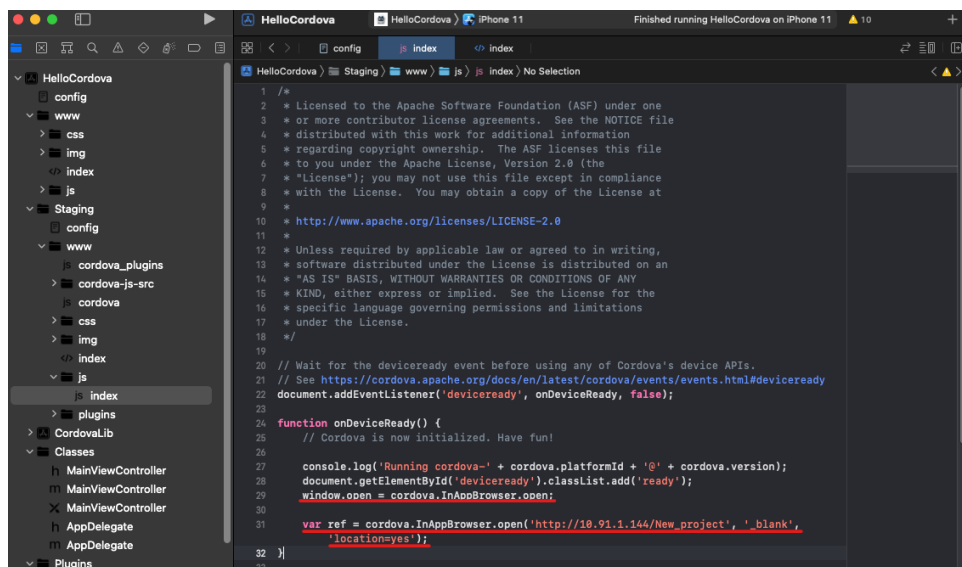


week8.mp4

第 9 步: 匯出 cordova 專案到 mac 的 cordova



第 10 步: 安裝 inappbrowser



第 11 步: cordova ios 執行程式結果



ios8.mp4