

Final Project Report

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- Screenshot the results

```
(base) hshuang@GTs-MacBook submission % ./server
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(base) hshuang@GTs-MacBook submission % ./client
What's your requirement? 1.DNS 2.QUERY 3.QUIT : 1
Input URL address : www.google.com
address get from domain name : 142.251.42.228

What's your requirement? 1.DNS 2.QUERY 3.QUIT : 1
Input URL address : www.nthu
address get from domain name : No such URL address

What's your requirement? 1.DNS 2.QUERY 3.QUIT : 2
Input student ID : 1234
Email get from server : jc99654399@gmail.com

What's your requirement? 1.DNS 2.QUERY 3.QUIT : 2
Input student ID : 101064537
Email get from server : No such student ID

What's your requirement? 1.DNS 2.QUERY 3.QUIT : 3
(base) hshuang@GTs-MacBook submission % ./client
What's your requirement? 1.DNS 2.QUERY 3.QUIT : 1
Input URL address : www.google.com
address get from domain name : 142.251.42.228

What's your requirement? 1.DNS 2.QUERY 3.QUIT : 3
(base) hshuang@GTs-MacBook submission %
```

- Experience

這次的 final project 是要建立 TCP 連線，讓 server 跟 client 透過建立 socket 來交換訊息。

講義給的模板還滿清楚的，前面那些連線的部分就稍微修改即可。後面的部分就有透過大型語言模型，並查了一下網路的資料，然後自己修改即可完成。

過程中有遇到一些 bugs，所以我有用 GitHub 去維護這個 project，然後一次次修正 bugs 後，把 commit 推到遠端，完成這次的 project。