***Homework Summary***

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| ***Student ID*** | 105590046 | ***Student Name*** | 卓旭嘉 |
| ***Estimated Time*** | ***\_\_20\_\_\_ hours***  ***(The total time that you “guess” you need to spend on the homework)*** | | |
| ***Time Log*** | ***(Please extend the list if it is not enough for you)***  **Time spent in writing program**   1. From 20 **:** 00 to 02 **:** 00 ***(Ex: From 13:00 to 15:00)*** 2. From 17 **:** 30 to 20 **:** 00 ***(Optional\*)*** 3. From 20 **:** 00 to 02 **:** 00 ***(Optional\*)*** 4. From 14 **:** 30 to 20 **:** 30 ***(Optional\*)***   **Time spent in writing document**   1. From 22 **:** 00 to 22 **:** 30 2. From **:** to **:** ***(Optional\*)***   ***\* If you finished your homework in a single period, you do not need to fill the other periods.*** | | |
| ***Actual Time*** | ***\_\_21\_\_\_ hours***  ***(The actual time you spent on the homework)*** | | |
| ***Difference between Estimated time and Actual Time*** | ***\_\_-1\_\_\_ hours (|Estimated Time – Actual Time|)***  ***\_\_-10\_\_\_ % (|Estimated Time – Actual Time|/ Estimated Time)*** | | |
| ***Difficulty of the homework*** | ***(Please write down the difficulties you encountered when you did your homework)***  剛開只使用View、Model 來寫的時候，會碰到哪些行為是寫在 View裡，還是寫在 Model 裡，有時候就會想這個東西是要寫在哪邊，很討厭的灰色地帶，還好在第一次作業時就有稍微先使用 View、Presentation Model、Model，這樣的架構來寫，可以清楚知道哪些功能改寫在哪裡，也省去整份作業重構而花費的時間。 | | |
| ***Other Issues*** | ***(Any thought, learning from homework, or opinion of the homework or the course)***  對視窗程式的 UI 物件行為，還是不夠熟練，再加上第二次的作業使我的 View 變得有些肥大，雖然已經盡量縮減，但也快達到 large class 的警告，雖然也擔心接下來的擴充，但我想再看看還能不能再優化看看！ | | |