***Homework Summary***

| ***Student ID*** | 110590002 | ***Student Name*** | 王熯竑 |
| --- | --- | --- | --- |
| ***Estimated Time*** | ***\_\_30\_\_\_ 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 12 **:** 00 to 23 **:** 00 ***(Ex: From 13:00 to 15:00)*** 2. From 12 **:** 00 to 27 **:** 30 ***(Optional\*)*** 3. From 19 **:00** to 23 **:** 00 ***(Optional\*)*** 4. From **:** to **:** ***(Optional\*)***   **Time spent in writing document**   1. From 2 **:** 00 to 2 **:** 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*** | ***\_\_30\_\_\_ hours***  ***(The actual time you spent on the homework)*** | | |
| ***Difference between Estimated time and Actual Time*** | ***\_\_0\_\_\_ hours (|Estimated Time – Actual Time|)***  ***\_\_\_0\_\_ % (|Estimated Time – Actual Time|/ Estimated Time)*** | | |
| ***Difficulty of the homework*** | 統計所有 Model Class (包含Presentation Model)的數量  Model Class: 2 個  以及其 Method 的數量  PresentationModel: 15個method  ShapeModel: 14個method    unit test and Dr smell cost me 29.9 hr, wanna cry. | | |
| ***Other Issues*** | ***(Any thought, learning from homework, or opinion of the homework or the course)***  envy in Dr smell make my code look bad.  Because the Graphics can’t mock, so WindowFormsGraphicsAdaptor can’t do unit tests.Form1 and Program are View, too. | | |