***Homework Summary***

| ***Student ID*** | 110590002 | ***Student Name*** | 王熯竑 |
| --- | --- | --- | --- |
| ***Estimated Time*** | ***\_\_60\_\_\_ 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 24 **:** 00 ***(Ex: From 13:00 to 15:00)*** 2. From 12 **:** 00 to 24 **:** 00 ***(Optional\*)*** 3. From 12 **:00** to 30 **:** 00 ***(Optional\*)*** 4. From 12 **:** 00 to 30 **:** 00 ***(Optional\*)*** 5. From 12 **:** 00 to 30 **:** 00 ***(Optional\*)*** 6. From 12 **:** 00 to 30 **:** 00 ***(Optional\*)*** 7. From 12 **:** 00 to 16 **:** 00 ***(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*** | ***\_\_100\_\_\_ hours***  ***(The actual time you spent on the homework)*** | | |
| ***Difference between Estimated time and Actual Time*** | ***\_\_40\_\_\_ hours (|Estimated Time – Actual Time|)***  ***\_\_\_66%\_\_ % (|Estimated Time – Actual Time|/ Estimated Time)*** | | |
| ***Difficulty of the homework*** | wanna cry | | |
| ***Other Issues*** | ***(Any thought, learning from homework, or opinion of the homework or the course)***  GUI test 沒有成功做出來  assert is in presentation model deletePage() 使用來檢查數字合法  undo redo work  save load work | | |