

Homework Summary

Student ID	110590002	Student Name	王燦竝
Estimated Time	<u> 30 </u> hours <i>(The total time that you “guess” you need to spend on the homework)</i>		
Time Log	<i>(Please extend the list if it is not enough for you)</i> Time spent in writing program 1. From <u>12:00</u> to <u>23:00</u> (Ex: From 13:00 to 15:00) 2. From <u>12:00</u> to <u>27:30</u> (Optional*) 3. From <u> </u> : <u> </u> to <u> </u> : <u> </u> (Optional*) 4. From <u> </u> : <u> </u> to <u> </u> : <u> </u> (Optional*) Time spent in writing document 1. From <u>2:00</u> to <u>2:20</u> 2. From <u> </u> : <u> </u> to <u> </u> : <u> </u> (Optional*) <i>* If you finished your homework in a single period, you do not need to fill the other periods.</i>		
Actual Time	<u> 25.5 </u> hours <i>(The actual time you spent on the homework)</i>		
Difference between Estimated time and Actual Time	<u> 4.5 </u> hours ($ Estimated\ Time - Actual\ Time $) <u> 15 </u> % ($ Estimated\ Time - Actual\ Time / Estimated\ Time$)		
Difficulty of the homework	unit test and Dr smell cost me 25 hr.		
Other Issues	<i>(Any thought, learning from homework, or opinion of the homework or the course)</i> 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.		