

Qian Wang

CIS 4930

214G

10/21/2015

HW9

On my honor, I have neither given nor received unauthorized aid in doing this assignment.

Qian Wang

Summary:

The easiest parts?

The actual coding is surprisingly straight forward.

The most difficult parts?

There are two parts of this HW I got stuck. The first part is trying to visualize the homework in the beginning. The second part is trying to work on the different Visitors.

The assignment's educational objectives?

To fully understand Composite and Visitor. I also think it can be a good lesson on how to reuse previous code.

How well did I achieved them?

I achieved the result quite well. I worked 4 hours straight and the result turns out to be what I expected.

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COP 4600

1089

10/21/2015

HW9

1. Does the program compile without errors?

The Program compiled without any errors.

2. Does the program compile without warnings?

The program compile without any warnings.

3. Does the program run without crashing?

The program run without crashing.

4. Describe how you tested the program.

I tried 3 different test case, the complexity of the test case increase each time. The last test case I used the one in the pdf. It actually took me quite a well to get the structure down.

5. Describe the ways in which the program does *not* meet assignment's specifications.

There are two things I found it different from the pdf. First, I do believe in the pdf, Dave implement a minus component. However, I just used add a negative number strategy, which also accomplish the goal. Secondly, as I can see in Dave's test result, there is definitely an integer to double conversion. For my simplicity, I used double for all my values.

6. Does the program run correctly?

Yes