

CS2002 P10 Addendum:

This addendum to the N2T book project description takes precedence where there is any duplication. The changes correct some design choices which just aren't very clean and removes the necessity to unnecessarily [twiddle](#) with other types state data. The changes are also more “Pythonic” and follow good naming conventions making it easier to read and use the provided code in context of what you have learned so far.

Start with the four provided .py files.

Use the provided directory structure (with your last name laid in — no spaces!), it includes all the book-provided test cases and hook-up to my auto-testing program. Running the auto-test from the command line should generate something like this:

```
directory: 10_Solution
10_Solution/ExpressionlessSquare has been translated.
10_Solution/ArrayTest has been translated.
10_Solution/Square has been translated.
  Comparing ExpressionlessSquare
    good: Main
    good: MainT
    good: Square
    good: SquareGame
    good: SquareGameT
    good: SquareT
  Comparing ArrayTest
    good: Main
    good: MainT
  Comparing Square
    good: Main
    good: MainT
    good: Square
    good: SquareGame
    good: SquareGameT
    good: SquareT
10_Solution done
directory: zzzzCheckfiles
zzzzCheckfiles skipped for zzzz
```

indicating a successful run.

Make sure you properly set up the `__main__()` for submission.

There is an updated grade sheet for this project, do not use leftover sheets from CS2001.

Code Quality is the instructors subjective judgement of the described attributes.

Compiler Plan is a milestone deliverable. Turn in a **hardcopy** of your file with comments mapping out exactly what tokens are expected where and in what orders, including optional and repetitive elements. This maps Figure 10.5 into a form of incomplete pseudocode. Full credit will be awarded when this is both complete and makes the structure of the eventual code obvious. This will accrue late charges separately from the final deliverable portion of the project. Getting too late on this can cause this portion to zero out. It is here to make your life FAR more predictable. My intent is to turn these around immediately in lab the day they are due.

Dry Test are the cold-hard silicon results of code known to you: All tests running without any crashes gains 20 points, each test that outputs a sub-comparisons successfully gains 10 more.

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As you can see above, on-time and broke is broke, and broke hurts. Late submission costs are 2 points for the first 24 hours and each day increases by 2 with a maximum late cost of 20 (2+4+6+8). Get working projects in! Don't turn in broke just to make on-time.

Comment out your tracking/debugging comments. Not with `##` at the beginning of the line, that is for quick debugging work, fix any of those with properly indented single `#` comments for your deliverable. This is the same thing as expecting a maintenance crew to clean up after themselves when finished.

NO Magic numbers!

2 person team submissions. You may ask each other teams questions, but no direct sharing of code. Chalk-talking through small sections is OK. The goal is for everyone to get comfortable and gain their basic competency. Providing "too much" assistance is not helpful to them as a grade is not competence.

If a classmate is really stuck and it seems like help might get into the "too much" category, help them write the 60 second question and get it off to the instructor.

The **deliverable** is:

Milestone) Don't forget this!!!

1) *lastName10* directory zipped up

No spaces in the name, it breaks directory searches and you don't want repair costs against your **Well Built** line. Do not delete the test case directories inside.

2) A hardcopy of your code. Each file should start in a new page, file header blocks should give all the appropriate identifying info. Standard white background, it is impossible to leave feedback on black background printing.

3) A hardcopy of your grading sheet, name filled in. This will make it's way back to you along with with any code annotations I make.