TCSS 483 Defend Your Code Python Unit Tests

User Inputs:

```
Only first letter can be capitalized, 50 characters max
 Enter First Name: z
verifyFirstName: Z Invalid input, try again
Only first letter can be capitalized, 50 characters max
Enter First Name: Zachary
verifyFirstName: Zachary Valid input
Only first letter can be capitalized, 50 characters max
Enter Last Name: a
verifyLastName: a Invalid input, try again
Only first letter can be capitalized, 50 characters max
Enter Last Name: Anderson
verifyLastName: Anderson Valid input
 2 ints between -2147483648 and 2147483647
 2 Into between -214/463648 and 214/463647
Space in between
Allows leading zeros
If the two ints adds or multiples to a number greater than the range, it will reprompt
Enter two numbers with single space inbetween: 1 2147483647
verifyTwoIntegers: 1 and 2147483647 Invalid input, try again
2 ints between -2147483648 and 2147483647
 If the two ints adds or multiples to a number greater than the range, it will reprompt Enter two numbers with single space inbetween: 01 01
 verifyTwoIntegers: 01 and 01 Valid input
 Python only accepts pythonInput.txt
Enter input text file: pythonOutput.txt
verifyInputFile: pythonOutput.txt Invalid input, try again Python only accepts pythonInput.txt Enter input text file: pythonInput.txt verifyInputFile: pythonInput.txt Valid input
 Python only accepts pythonOutput.txt
Enter output text file: pythonInput.txt
verifyOutputFile: pythonInput.txt Invalid input, try again
 Python only accepts pythonOutput.txt
Enter output text file: pythonOutput.txt
verifyOutputFile: pythonOutput.txt Valid input
One capital letter, one special character, one number, at least 10 characters One lowercase letter and no more than three consecutive lowercase letters Enter valid password: Google_123 verifyInputPassword: Google_123 Invalid input, try again One capital letter, one special character, one number, at least 10 characters One lowercase letter and no more than three consecutive lowercase letters Enter valid password: Google_123 verifyInputPassword: Google_123 Valid input
One capital letter, one special character, one number One lowercase letter and no more than three consecutive lowercase letters Enter password again: Google_123 verifyDatabasePassword: Google_123 Invalid input, try again One capital letter, one special character, one number One lowercase letter and no more than three consecutive lowercase letters Enter password again: GoOgle_123 verifyDatabasePassword: GoOgle_123 Valid input
```

Unit Tests:

```
verifyFirstName: Abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwx Valid input
verifyFirstName: A Valid input
verifyFirstName: Za Valid input
verifyFirstName: z Invalid input, try again
 verifyFirstName: Abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxy Invalid input, try again
verifyFirstName: AbcdefgnijkLmnopqrstuvwxyzat
verifyFirstName: Invalid input, try again
verifyFirstName: ZA Invalid input, try again
verifyFirstName: 1 Invalid input, try again
verifyFirstName: 1 Invalid input, try again
verifyFirstName: ! Invalid input, try again
verifyFirstName: aZ Invalid input, try again
verifyLastName: Z Valid input
verifyLastName: Abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwx Valid input
 verifyLastName: A Valid input
 verifyLastName: Za Valid input
verifyLastName: Za Valid input
verifyLastName: Za Invalid input, try again
verifyLastName: Abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxy Invalid input, try again
verifyLastName: Invalid input, try again
verifyLastName: ZA Invalid input, try again
verifyLastName: 1 Invalid input, try again
verifyLastName: 1 Invalid input, try again
verifyLastName: ! Invalid input, try again
verifyLastName: aZ Invalid input, try again
verifyLastName: aZ Invalid input, try again
verifyTwoIntegers: 100 and 100 Valid input
verifyTwoIntegers: 0 and 2147483647 Valid input
verifyTwoIntegers: 0 and -2147483648 Valid input
verifyTwoIntegers: 0 and 0 Valid input
verifyTwoIntegers: 1 and 2147483646 Valid input
verifyTwoIntegers: -1 and -2147483647 Valid input
verifyTwoIntegers: -1 and -2147483647 Valid input
verifyTwoIntegers: -1 and -2147483648 Valid input
verifyTwoIntegers: 1 and -2147483648 Valid input
verifyTwoIntegers: 9 and 238609294 Valid input
verifyTwoIntegers: -9 and 238609294 Valid input
verifyTwoIntegers: 01 and 01 Valid input
verifyTwoIntegers: -1 and 2147483647 Invalid input, try again
verifyTwoIntegers: -1 and -2147483648 Invalid input, try again
verifyTwoIntegers: -1 and -2147483648 Invalid input, try again
verifyTwoIntegers: 1.0 and 1.0 Invalid input, try again
 verifyTwoIntegers: 1.0 and 1.0 Invalid input, try again verifyTwoIntegers: and Invalid input, try again verifyTwoIntegers: a and z Invalid input, try again
verifyTwoIntegers: a and 2 invalid input, try again verifyTwoIntegers: — and — Invalid input, try again verifyTwoIntegers: —0 and —0 invalid input, try again verifyTwoIntegers: 2147483647 and 2147483647 invalid input, try again verifyTwoIntegers: —2147483648 and —2147483648 invalid input, try again
verifyInputFile: pythonInput.txt Valid input
verifyInputFile: README.txt Invalid input, try again
verifyInputFile: pythonOutput.txt Invalid input, try again
 verifyInputFile: pythonDatabase.txt Invalid input, try again
verifyInputFile: pythoninput.txt Invalid input, try again verifyInputFile: pythonInput.txt Invalid input, try again
 verifyInputFile: pythonInput.pdf Invalid input, try again
verifyOutputFile: pythonOutput.txt Valid input
verifyOutputFile: README.txt Invalid input, try again
verifyOutputFile: pythonIntput.txt Invalid input, try again
 verifyOutputFile: pythonDatabase.txt Invalid input, try again
 verifyOutputFile: pythonoutput.txt Invalid input, try again verifyOutputFile: pythonOutput.txt Invalid input, try again
 verifyOutputFile: pythonOutput.pdf Invalid input, try again
verifyInputPassword: FourFive 9 Valid input
 verifyInputPassword: 1!dogCatRat Valid input
 verifyInputPassword: ABCabcDEFdefGHIghiJKLjklMNOmnoPQRpqrSTUstuVWXvwxYZyz0123456789`~!@#$%^&*()-_=+,<.>/?;:"'[{]}\| Valid input
verifyInputPassword: SixSeven_0 Valid input
verifyInputPassword: NineTen_1 Invalid input, try again
verifyInputPassword: OneTwoSix7 Invalid input, try again
verifyInputPassword: FourFive 9 Invalid input, try again
 verifyInputPassword: TenSixOne! Invalid input, try again
verifyInputPassword: FourFive $9 Invalid input, try again
verifyDatabasePassword: FourFive_9 Valid input
verifyDatabasePassword: 1!dogCatRat Valid input
verifyDatabasePassword: ABCabcDEFdefGHIghiJKLjkLMNOmnoPQRpqrSTUstuVWXvwxYZyz0123456789`~!@#$%^&*()-_=+,<.>/?;:"'[{]}\| Valid input
verifyDatabasePassword: SixSeven_0 Valid input
verifyDatabasePassword: NineTen_1 Invalid input, try again
 verifyDatabasePassword: OneTwoSix7 Invalid input, try again
 verifyDatabasePassword: Fourfive 9 Invalid input, try again
verifyDatabasePassword: TenSixOne! Invalid input, try again
verifyDatabasePassword: FourFive $9 Invalid input, try again
```