OSU CS 362-400 W20
Davis Henckel (henckels)
Justin Phillips (phillij6)
Clifford Reiselt (reiseltc)

Final Project Part B

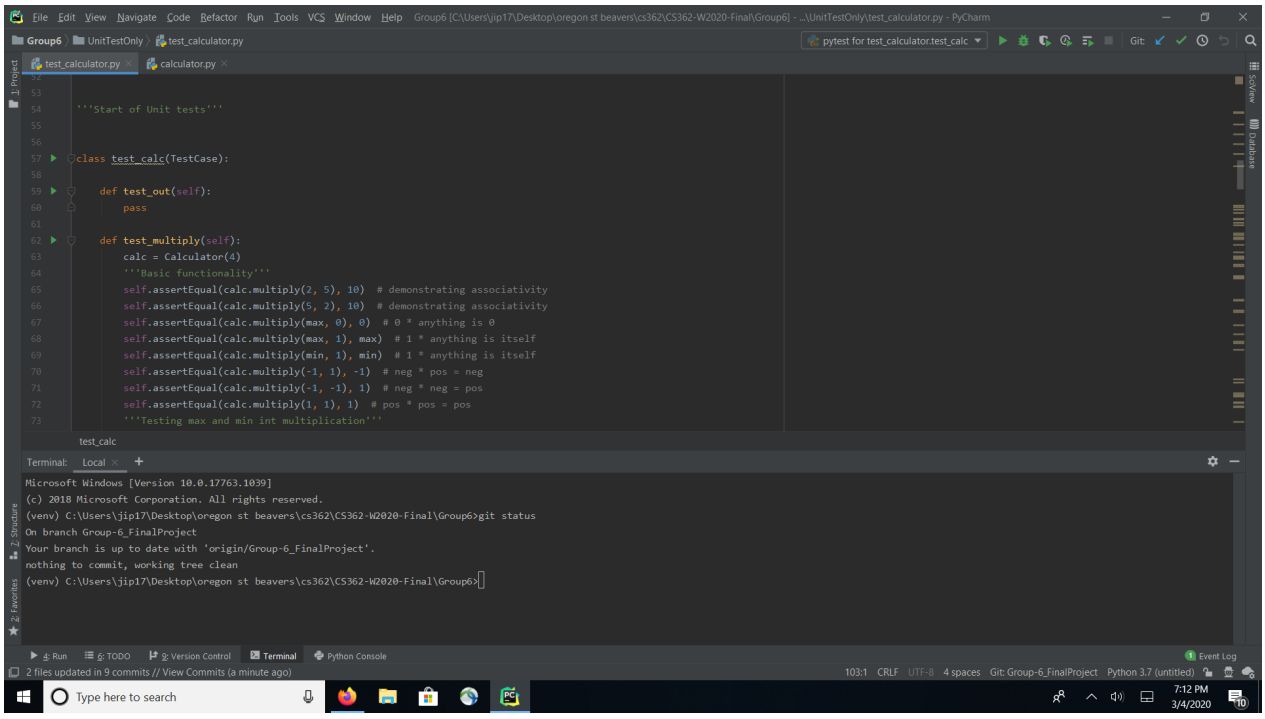
Analysis

Test Driven Development was helpful during this assignment because we were able to define the requirements clearly before having to write code. Having clear expectations of what our functions were supposed to do before writing them allowed us to write more clear and concise code. Without TDD, it's easy to lose sight of what your methods are designed to do. Going forward we will use TDD to avoid writing code that is ambiguous and contains bugs.

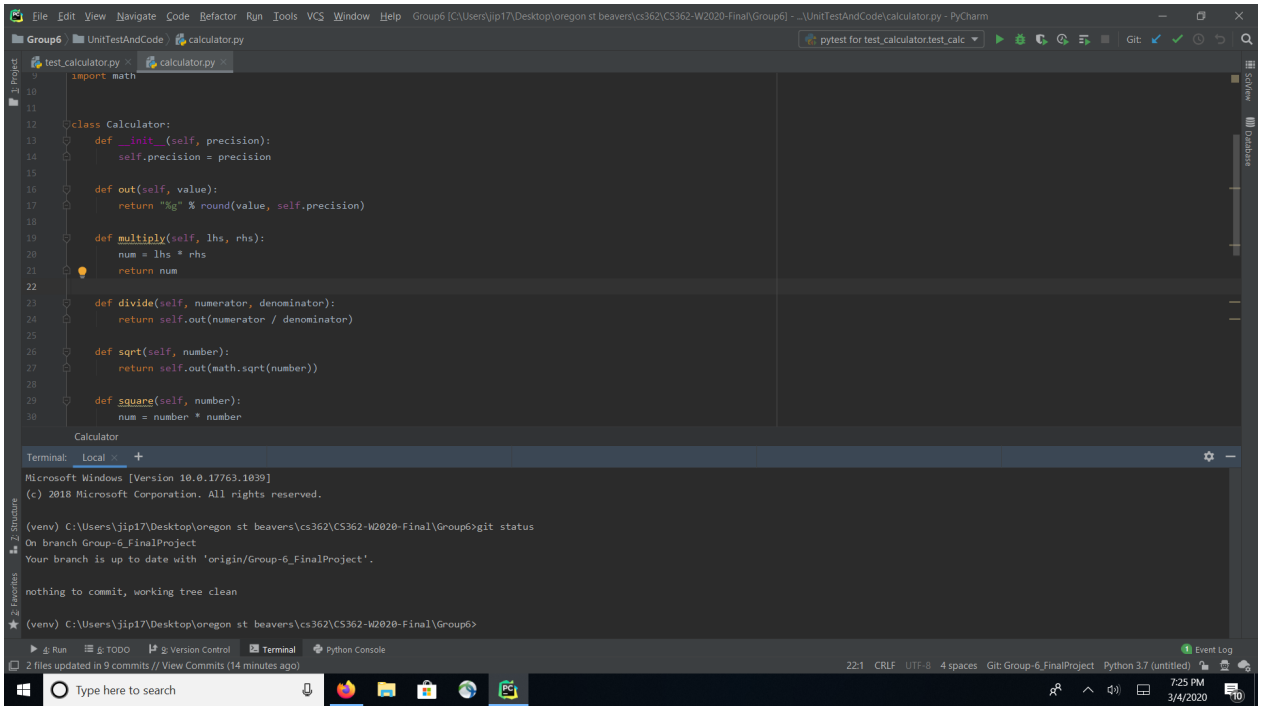
Version Control

Justin Phillips (phillij6)

Unit Tests



Calculator Application



Clifford Reiselt (reiseltc)

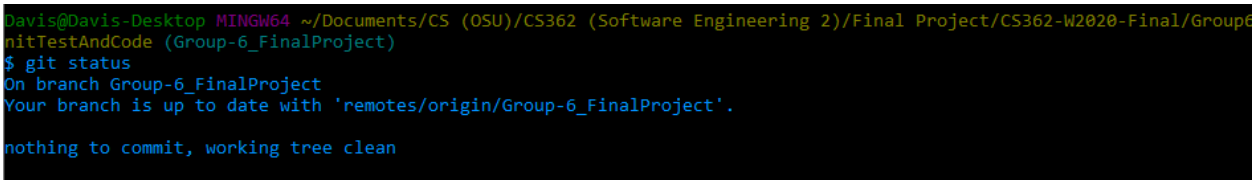
Unit Test

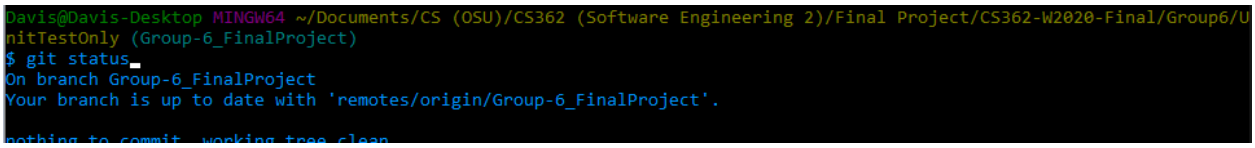
```
~/.../Group6/UnitTestOnly >>> ls -al                                    ±[Group-6_FinalProject]
total 24
drwxr-xr-x 3 mason mason  4096 Mar  9 16:56 .
drwxr-xr-x 5 mason mason  4096 Mar  9 16:58 ..
-rw-r--r-- 1 mason mason     0 Mar  9 16:56 __init__.py
drwxr-xr-x 2 mason mason  4096 Mar  9 19:43 __pycache__
-rw-r--r-- 1 mason mason 11015 Mar  9 19:43 test_calculator.py
~/.../Group6/UnitTestOnly >>> git status                                ±[Group-6_FinalProject]
On branch Group-6_FinalProject
nothing to commit, working tree clean
~/.../Group6/UnitTestOnly >>>                                           ±[Group-6_FinalProject]
```

Calculator Application

```
~/.../Group6/UnitTestAndCode >>> ls -al                                 ±[Group-6_FinalProject]
total 16
drwxr-xr-x 3 mason mason 4096 Mar  9 16:57 .
drwxr-xr-x 5 mason mason 4096 Mar  9 16:58 ..
-rw-r--r-- 1 mason mason 1851 Mar  9 19:48 calculator.py
-rw-r--r-- 1 mason mason    0 Mar  9 16:35 __init__.py
drwxr-xr-x 2 mason mason 4096 Mar  9 19:48 __pycache__
~/.../Group6/UnitTestAndCode >>> git status                             ±[Group-6_FinalProject]
On branch Group-6_FinalProject
nothing to commit, working tree clean
~/.../Group6/UnitTestAndCode >>> _                                      ±[Group-6_FinalProject]
```

Davis Henckel (henckeld)





TeamWork

Feature	Unit Tests	Feature Code
1) Multiplication	Davis Henckel	-Multiplication Documentation -Multiplication Method -Multiplication Tests
2) Division	Justin Phillips	-Division Documentation -Division Method -Division Tests
3) Square Root	Clifford Reiselt	- Square Root Documentation - Square Root Method - Square Root Tests
4) x^2	Davis Henckel	-Squared Documentation -Squared Method -Squared Tests
5) 1/x	Justin Phillips	-Reciprocal Documentation -Reciprocal Method -Reciprocal Tests
6) n!	Clifford Reiselt	- Factorial Documentation - Factorial Method - Factorial Tests
7) |x|	Justin Phillips	-Absolute Value Documentation -Absolute Value Method -Absolute Value Tests
8) sine	Davis Henckel	-Sine Documentation

		-Sine Method -Sine Tests
9) cosine	Clifford Reiselt	- Cosine Documentation - Cosine Method - Cosine Tests