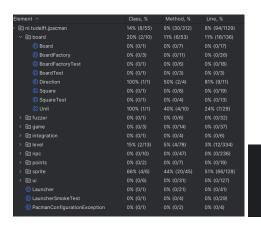
Tristan Ferguson

Link to forked repository: https://github.com/fergut3/jpacman

Task 2 and 2.1:

Coverage reports after creating tests:

Testing setDirection() and getDirection() do not seem to be very hard because I was able to create a player class and then use that to set the direction to the current direction it has. Doing this covered for both tests efficiently. After creating tests for SetDirection() and GetDirection(): Unit increased from 13% to 24%



```
@Test
void DirectionsTest(){
    ThePlayer.setDirection(ThePlayer.getDirection());
}
```

Before getSprite() test:

```
P □ nitudelft.jpacman

14% (8/55) 9% (30/312) 8% (94/1129)

> □ board

20% (2/10) 11% (6/53) 11% (16/136)

> □ fuzzer

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```

After getSprite() test:

```
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        10% (32/312)
        8% (97/129)

        > □ board
        20% (2/10)
        11% (6/53)
        11% (16/136)

        > □ fluzzer
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        > □ game
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        0% (0/32)

        > □ level
        15% (2/18)
        7% (6/78)
        4% (15/34)

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```

The Unit.getSprite method was just as simple as getDirection and setDirection. By setting the command, it would error out if the sprite set to it was not a valid sprite. After creating the test command, player line coverage increased from 29% to 41%

```
@Test
void TestSprite(){
    ThePlayer.getSprite();
    }
```

Task 3:

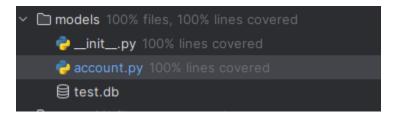
JaCoco's reporting seems to be similar to the reporting that was done in IntelliJ since I was able to locate the player method coverage and was able to see that IsAlive() was at 100%. This makes sense since a test was made for that method specifically. JaCoCo's detail in reporting the test coverage is very useful. I prefer this over IntelliJ because of the ability to easily see which parts of source code are covered since it is highlighted in either green or red.

Task 4:

Before creating extra test functions



After creating extra test functions:



Functions that were made for tests in test_account.py:

```
test__repr(self)
test_from_dict(self)
test_to_dict(self)
test_create(self)
test_update(self)
test_delete(self)
test_find(self)
```