

Ace Aceron  
Testing Assignment  
9/25/2023

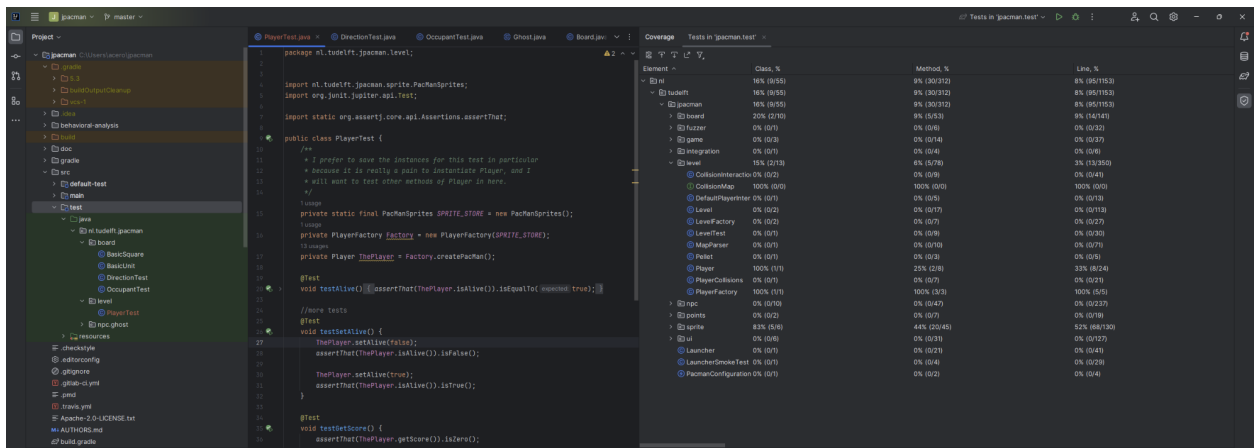
Link to fork repo: <https://github.com/Hoodi3ac3/jpacman>

### Task 1:

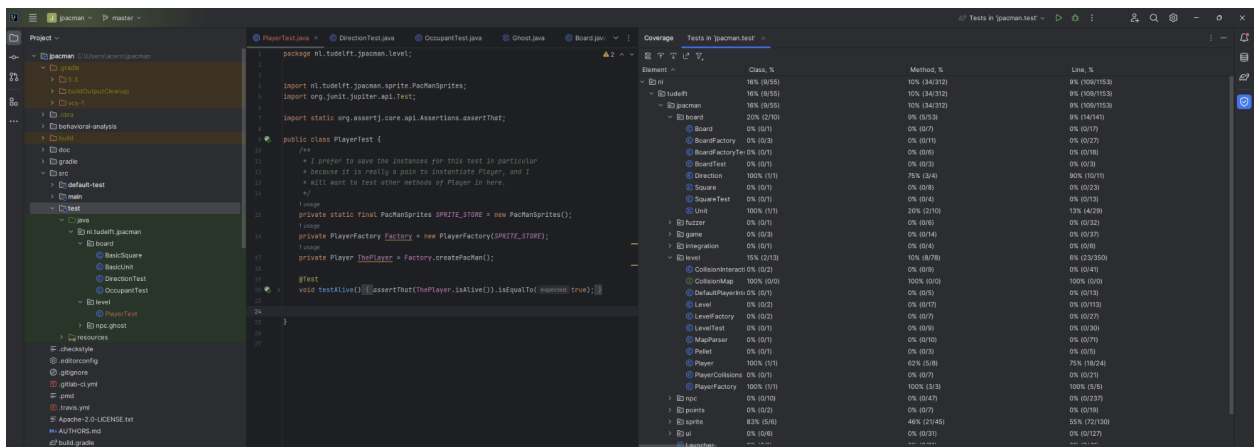
Coverage is not good enough its only 1%

### Task 2.1:

## Before Adding Unit Tests



## After Adding Unit Tests



## The Tests I did

```

24 //more tests
25 @Test
26 void testSetAlive() {
27     ThePlayer.setAlive(false);
28     assertThat(ThePlayer.isAlive()).isFalse();
29
30     ThePlayer.setAlive(true);
31     assertThat(ThePlayer.isAlive()).isTrue();
32 }
33
34 @Test
35 void testGetScore() {
36     assertThat(ThePlayer.getScore()).isZero();
37
38     ThePlayer.addPoints(100);
39     assertThat(ThePlayer.getScore()).isEqualTo(expected: 100);
40 }
41
42 @Test
43 void testAddPoints() {
44     assertThat(ThePlayer.getScore()).isZero();
45
46     ThePlayer.addPoints(50);
47     assertThat(ThePlayer.getScore()).isEqualTo(expected: 50);
48
49     ThePlayer.addPoints(100);
50     assertThat(ThePlayer.getScore()).isEqualTo(expected: 150);
51 }
52
53

```

It is clear that the coverage for methods in level/player class increased after adding the unit tests.

### Task 3:

1. There are differences between using JaCoco instead of IntelliJ because they use different mechanisms to collect coverage data.
2. Yes, the source code visualization from JaCoCo on uncovered branches can be extremely helpful. It provides detailed insights into which branches of the code are covered (or partially covered) by tests and which branches are not.

3. I like IntelliJ better because it provides real-time feedback within the IDE during development and testing.