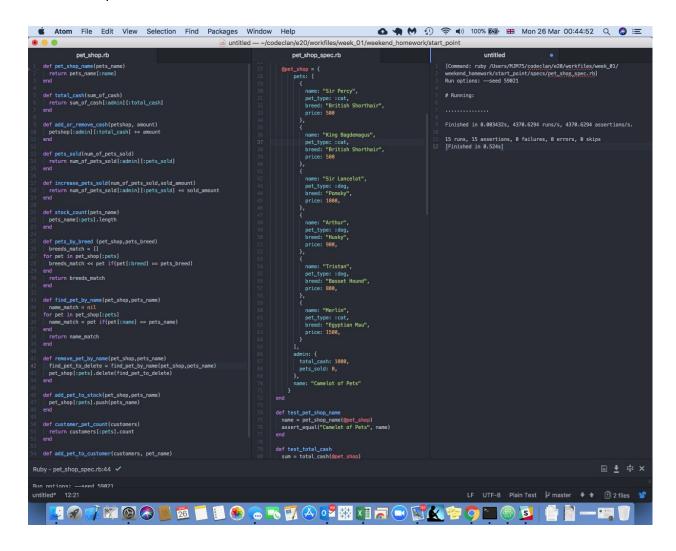
Evidence for Implementation and Testing Unit.

Joseph Manuel E20

- I.T 1- Demonstrate one example of encapsulation that you have written in a program.
- I.T 2 Example the use of inheritance in a program.
- I.T 3 Example of searching
- I.T 4 Example of sorting
- I.T 5 Example of an array, a function that uses an array and the result

```
room_spec.rb
    class Room
                                                                                   require('minitest/autorun')
                                                                                   require_relative('../song.rb')
      attr_reader :room_number, :occupants, :playlist
                                                                                   require_relative('../guest.rb')
                                                                                  class TestRoom < MiniTest::Test</pre>
       new_playlist)
        @room_number = new_room_number
@occupants = new_occupants
                                                                                    def setup()
        @playlist = new_playlist
                                                                                   @song1 = Song.new("song1","artist1")
@song2 = Song.new("song2","artist2")
      def add_song_to_playlist()
  @playlist.playlist
                                                                                       @guest1 = Guest.new("guest1")
      def add_guest_to_occupants(guest_to_add)
                                                                                       @guest2 = Guest.new("guest2")
                                                                                       @guest3 = Guest.new("guest3")
                                                                                       @guest4 = Guest.new("guest4")
        @occupants.delete(guest_to_remove)
                                                                                       @room_1 = Room.new(101, @occupants, @array_of_songs)
                                                                                     end
                                                                                     def test_room_getters()
                                                                                       assert_equal(101, @room_1.room_number)
                                                                                                                                                                   ■ ± 牢 x
Ruby - room_spec.rb:57 <
Run options: --seed 36711
# Running:
3 runs, 5 assertions, 0 failures, 0 errors, 0 skips [Finished in 0.75s] \,
                                                                                                                                LF UTF-8 Ruby $\mathcal{P}$ master ♣ ♠ ♠ 4 files 🔰
```

I.T 6 - Example of a hash, a function that uses a hash and the result



I.T 7 - Example of polymorphism in a program