

# Running RSpec Tests

## Different ways to run RSpec tests

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Lets take a look at some different ways run our rspec tests. We will use the Model Spec assignment you just completed.

1. Run all the spec tests: `rspec spec`
2. Run all the spec tests in a specific file: `rspec spec/<FOLDER>/<FILENAME>`  
i.e. `rspec spec/models/user_spec.rb`
3. Run a specific spec test: `rspec spec/<FOLDER>/<FILENAME>:<LINE_NUMBER>`  
i.e. `rspec spec/models/user_spec.rb:4`  
This will run the spec test on line 4.

Also keep in mind that to run a rspec test you must run it from the root of your directory. If you `cd` into `spec/models` and then run the command `rspec user_spec.rb` it will not work.

## Tip on running a failed test

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If you have a failing test, there is a quick way to rerun that particular spec test. If you look at the third to last line of the image below, it states "Failed Examples:". Just underneath that you see a reference to the path of a failing test.

```
rspec ./spec/models/user_spec.rb:5
```

You can copy and paste that line into your terminal to rerun that particular spec test.

```
D:\ror\rspec_model>rspec spec/models/user_spec.rb
```

```
*F*
```

```
Pending:
```

```
  User must be a valid email
    # Not yet implemented
    # ./spec/models/user_spec.rb:11
  User should not save if email already exists
    # Not yet implemented
    # ./spec/models/user_spec.rb:4
```

```
Failures:
```

```
  1) User should not save if first_name field is blank
     Failure/Error: expect(user).to be_invalid
       expected invalid? to return true, got false
     # ./spec/models/user_spec.rb:9:in 'block (2 levels) in <top (required)>'
```

```
Finished in 0.065 seconds
```

```
3 examples, 1 failure, 2 pending
```

```
Failed examples:
```

```
rspec ./spec/models/user_spec.rb:5 # User should not save if first_name field is blank
```

```
Randomized with seed 53163
```