

Ruby from scratch

Setup bundler

- `$ mkdir ~/gSchoolWork/robot`
- `$ cd ~/gSchoolWork/robot`
- `$ bundle init`
- `$ mine .`
- add RSpec to Gemfile (include the version, like "`~> 3.0.0`")
- `$ bundle install`

Setup git

(if you cloned, this is already done)

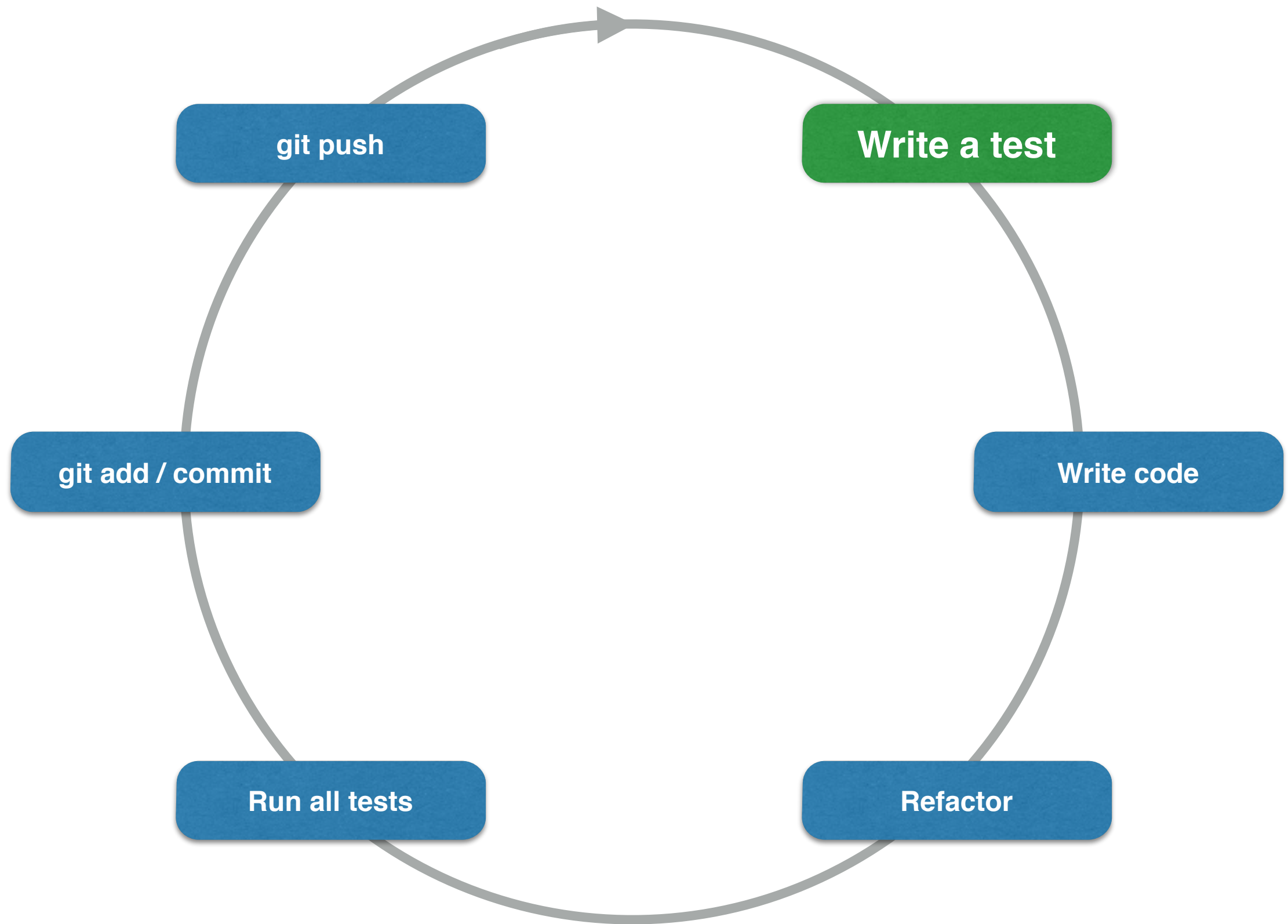
- `$ git init` `#(from robot directory)`
- Go to Github and create a repo.
- `$ git remote add origin git://<repo>`

Setup Rspec

- `$ touch .rspec #(from robot dir)`
- `$ mkdir spec`
- `$ touch spec/spec_helper.rb`

First commit

- `$ git status`
- `$ git add -N Gemfile`
- `$ git add -N Gemfile.lock`
- `$ git add -N .rspec`
- `$ git add -N spec/spec_helper.rb`
- `$ git add -p`
- `$ git status`
- `$ git commit -m "added Gemfile"`
- `$ git push origin master`



Write a test

- `$ touch spec/robot_spec.rb`

```
# spec/robot_spec.rb
```

```
require 'rspec'
```

```
describe Robot do
```

```
  it "beeps" do
```

```
    expect(Robot.new.beep).to eq("eee")
```

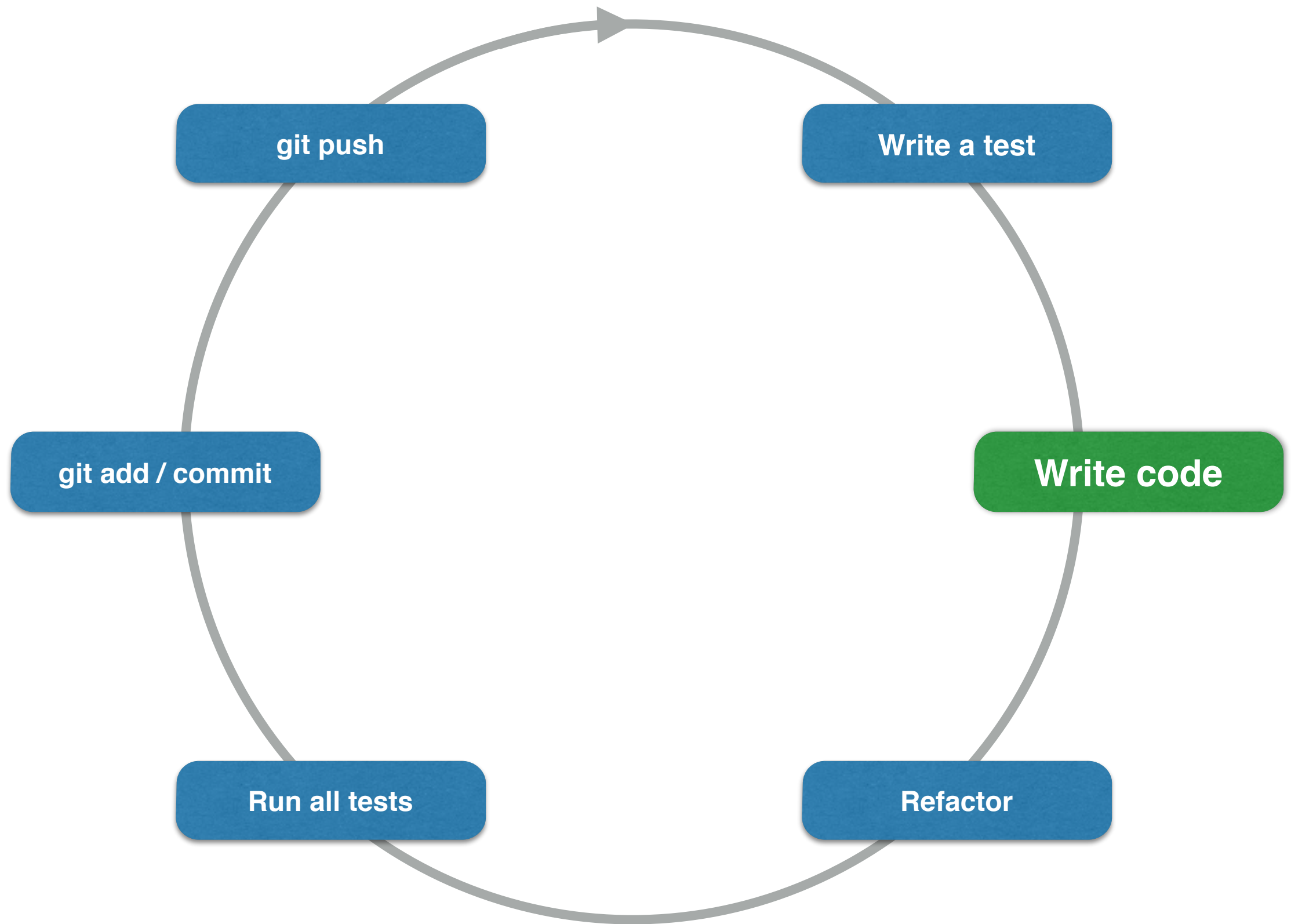
```
  end
```

```
end
```

Edit rspec files

```
# .rspec
--color
--format documentation
--require spec_helper

# spec/spec_helper.rb
require 'robot'
```

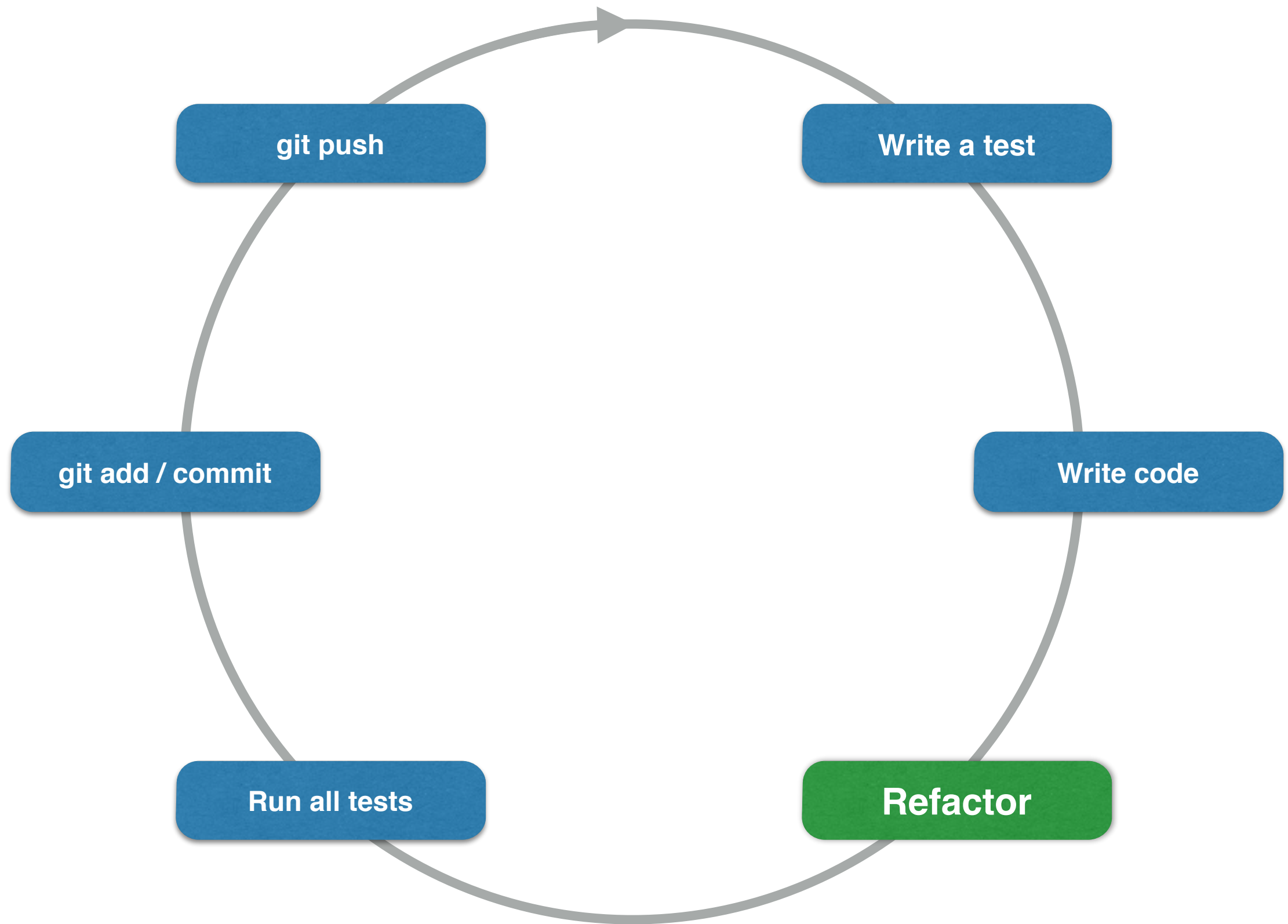
Make it pass

- `$ mkdir lib`
- `$ touch lib/robot.rb`

```
# lib/robot.rb
```

```
class Robot  
  def beep  
    "eee"  
  end  
end
```

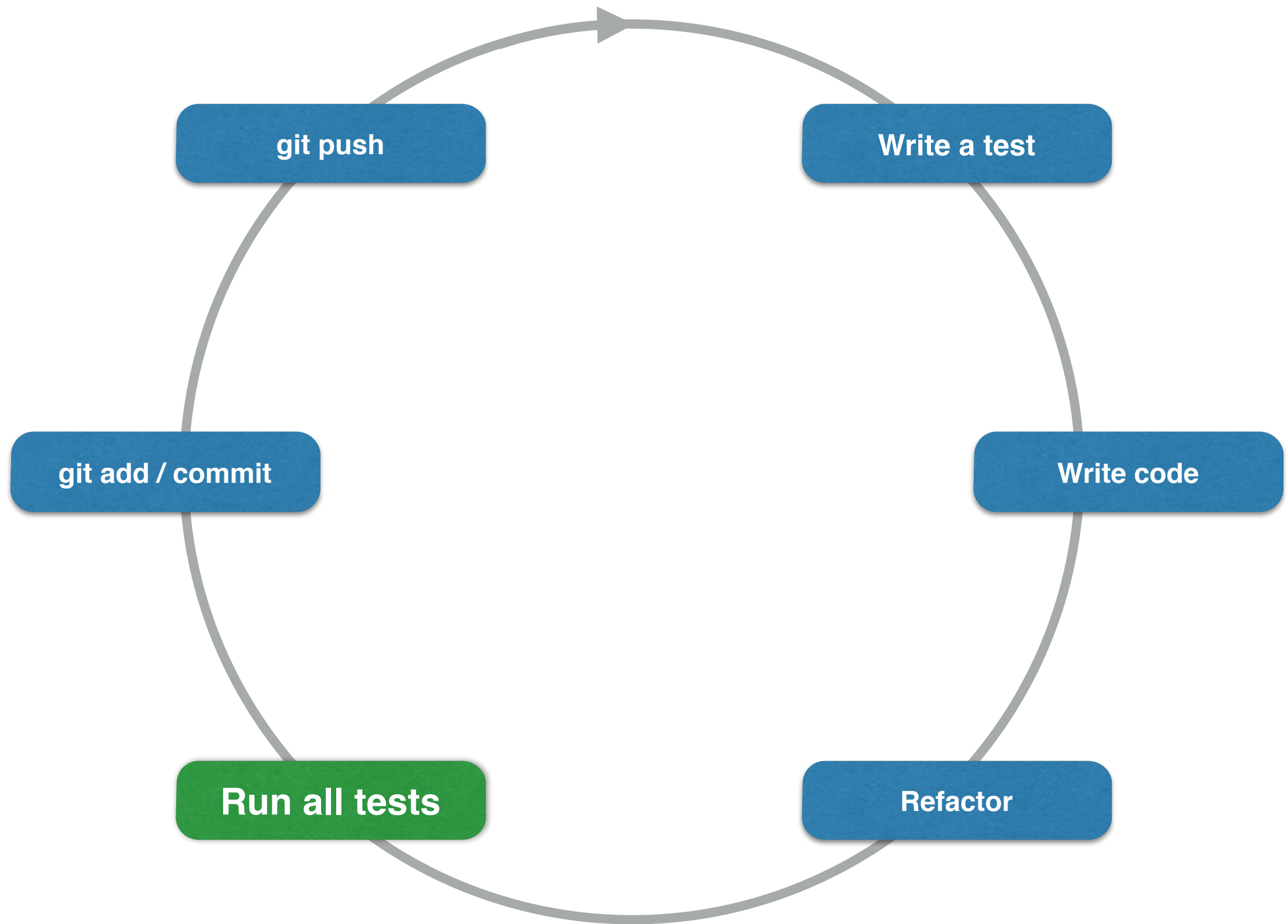
- `$ rspec spec/robot_spec.rb`



Refactor (if necessary)

```
# lib/robot.rb
class Robot
  def beep
    "eee"
  end
end
```

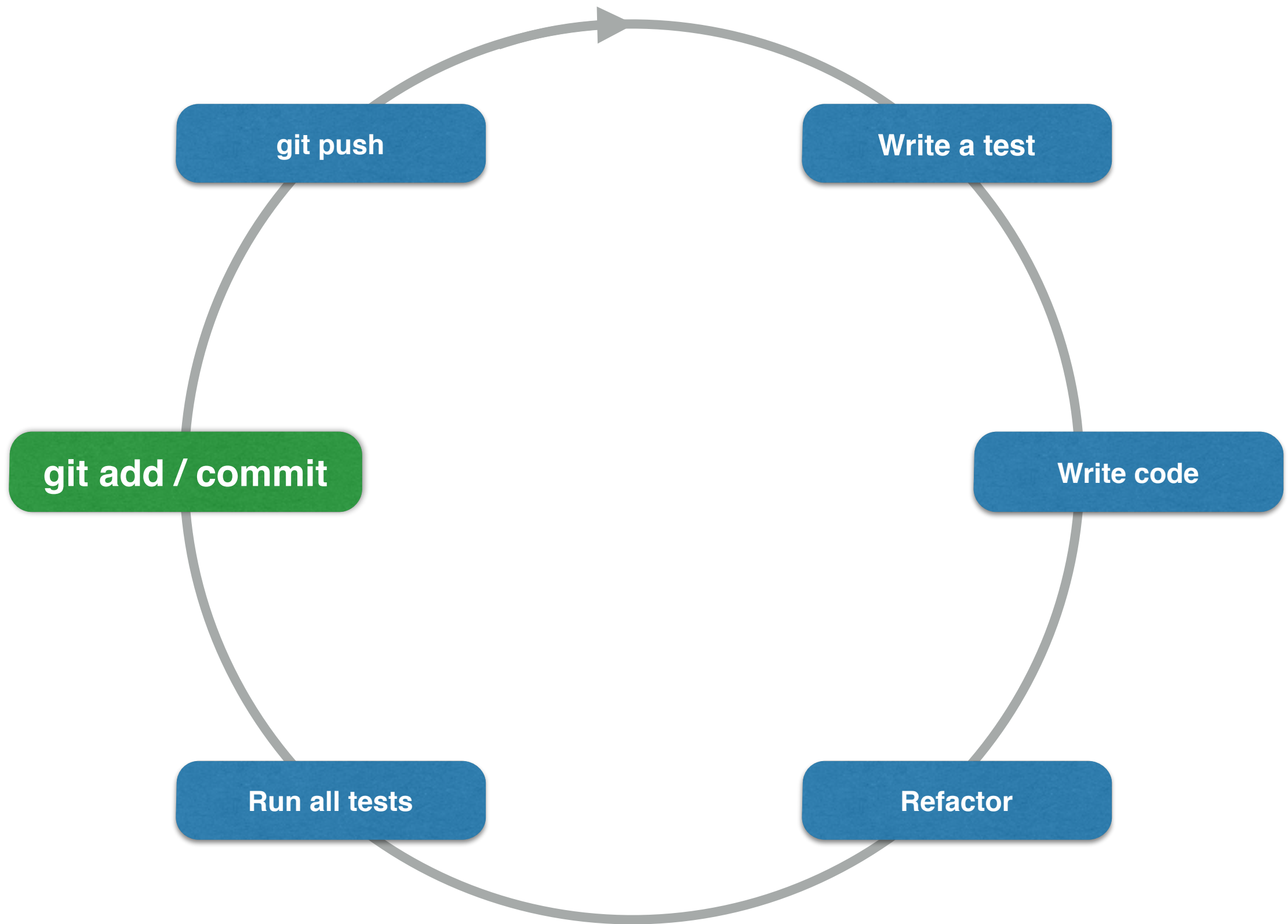
- `$ rspec spec/robot_spec.rb`



Run all tests

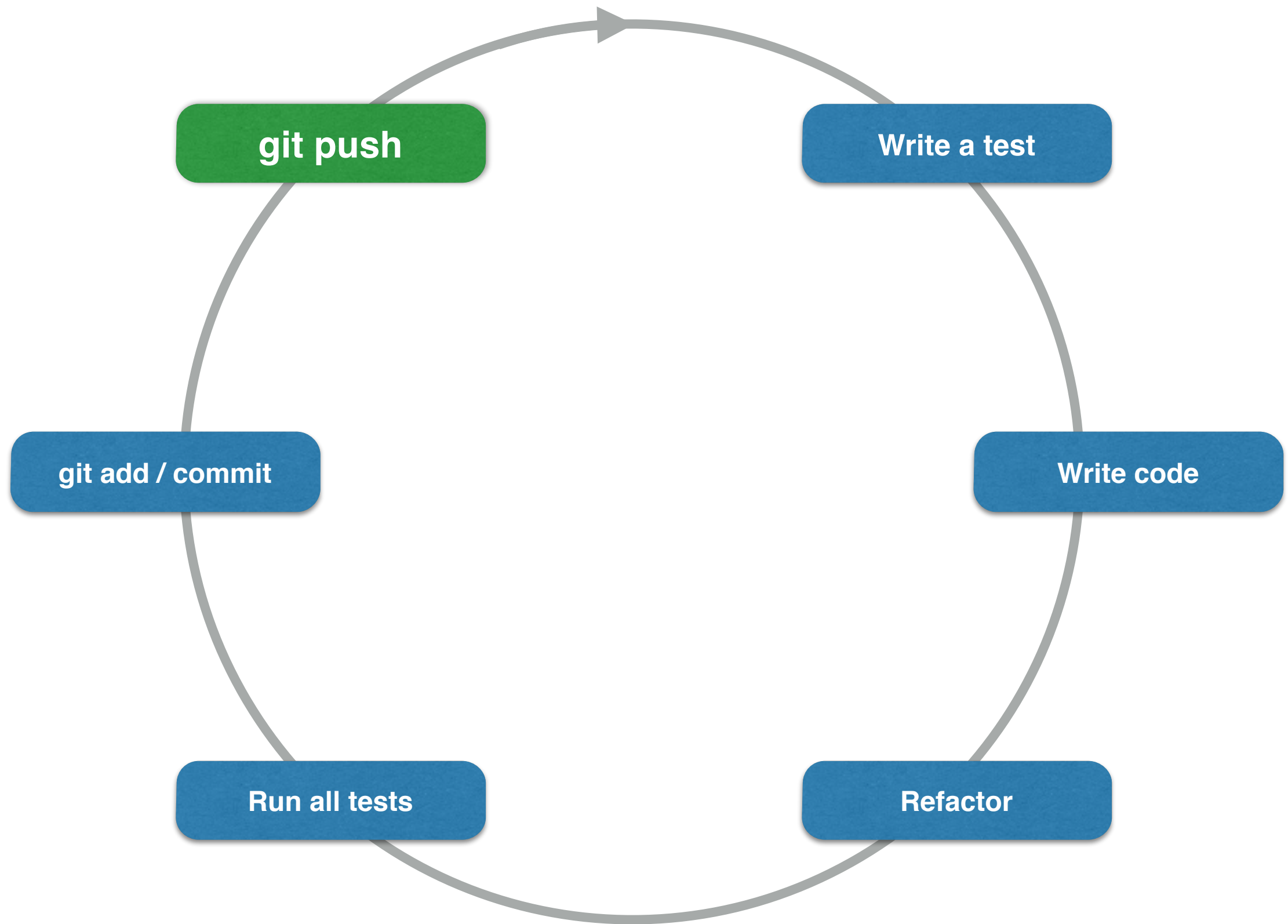
(and make sure they all pass)

- `$ rspec`



git add / commit

- `$ git status`
- `$ git add -N spec/robot_spec.rb`
- `$ git add -N spec/spec_helper.rb`
- `$ git add -N .rspec`
- `$ git add -N lib/robot.rb`
- `$ git add -p`
- `$ git commit -m "added a Robot that can beep"`



Push

- `$ git push origin master`