

Submission for Task B1, B2, B4

Name: Swa Yong Shen

Matriculation number: A0199852J

Github repo: <https://github.com/swayongshen/crud>

Task B1

Follow this tutorial or other tutorials to run the Ruby on Rails server. You might have to install postgresql if your computer does not have it installed.

<https://medium.com/@dyanagi/how-to-run-an-existing-ruby-on-rails-project-after-cloning-a-repository-8535e4f14bc9>

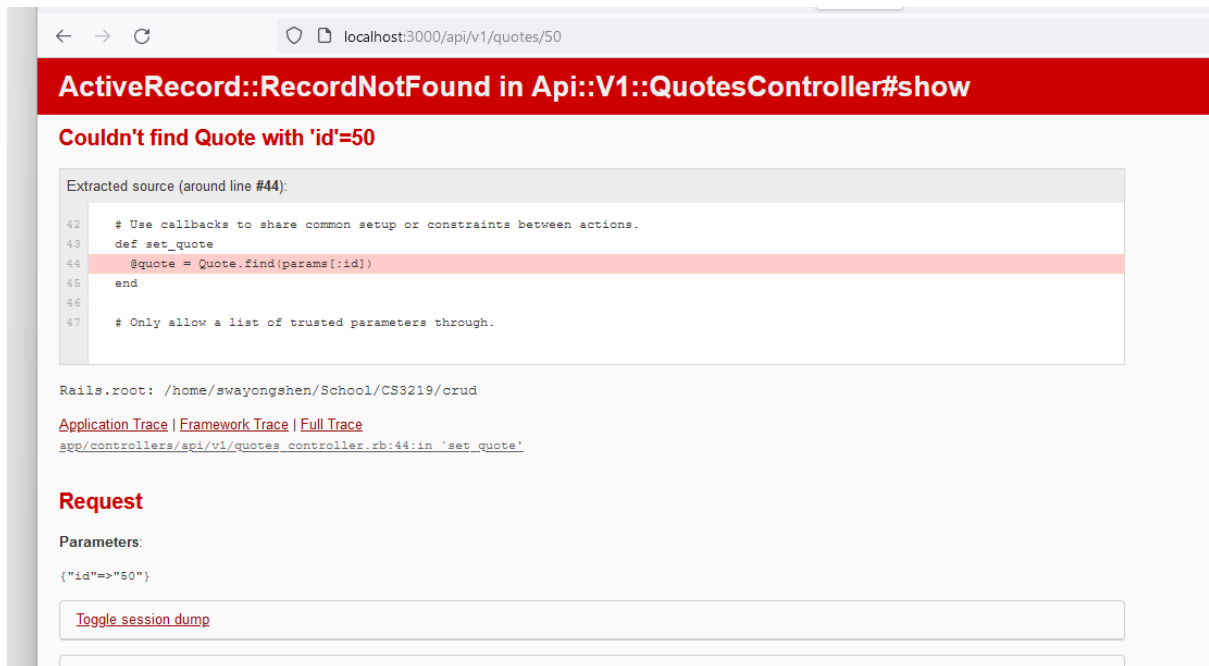
Postman Calls

GET http://localhost:3000/api/v1/quotes
POST http://localhost:3000/api/v1/quotes Body (JSON): <pre>{ "quote": { "title": "Sample title" } }</pre>
PUT http://localhost:3000/api/v1/quotes/1 Body (JSON): <pre>{ "quote": { "title": "New sample title" } }</pre>
DELETE http://localhost:3000/api/v1/quotes/1

Error Handling

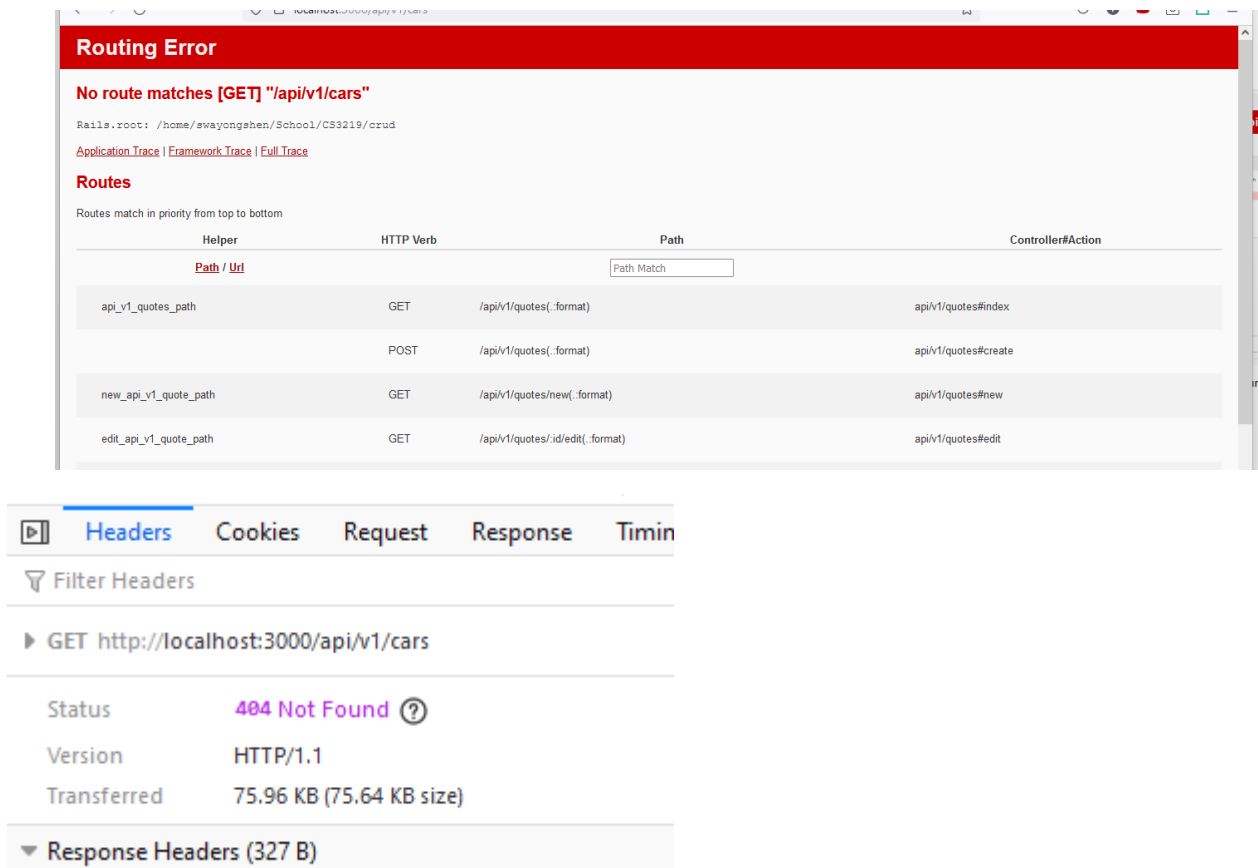
1. Getting invalid resource, no such quote with id 50. (HTTP 404)

GET http://localhost:3000/api/v1/quotes/50
--



2. Getting invalid resource, no such resource cars. (HTTP 404)

GET `http://localhost:3000/api/v1/cars`



Empty POST request to route of quotes, where a quote is not present in the request body.

POST <http://localhost:3000/api/v1/quotes>

Body (JSON):

ActionController::ParameterMissing in Api::V1::QuotesController#create

param is missing or the value is empty: quote

Did you mean?

controller
action

Extracted source (around line #49):

```
47 # Only allow a list of trusted parameters through.  
48 def quote_params  
49   params.require(:quote).permit(:title)  
50 end  
51 end
```

3. Empty PUT request to route of a particular quote, where a quote is not present in the request body.

PUT <http://localhost:3000/api/v1/quotes>

Body (JSON):

ActionController::ParameterMissing in Api::V1::QuotesController#update

param is missing or the value is empty: quote

Did you mean?

controller
action
id

Extracted source (around line #49):

```
47 # Only allow a list of trusted parameters through.  
48 def quote_params
```

4. Deleting a resource that does not exist, there is no quote with id 50.

DELETE <http://localhost:3000/api/v1/quotes/50>

ActiveRecord::RecordNotFound in Api::V1::QuotesController#destroy

Couldn't find Quote with 'id'=50

Extracted source (around line #44):

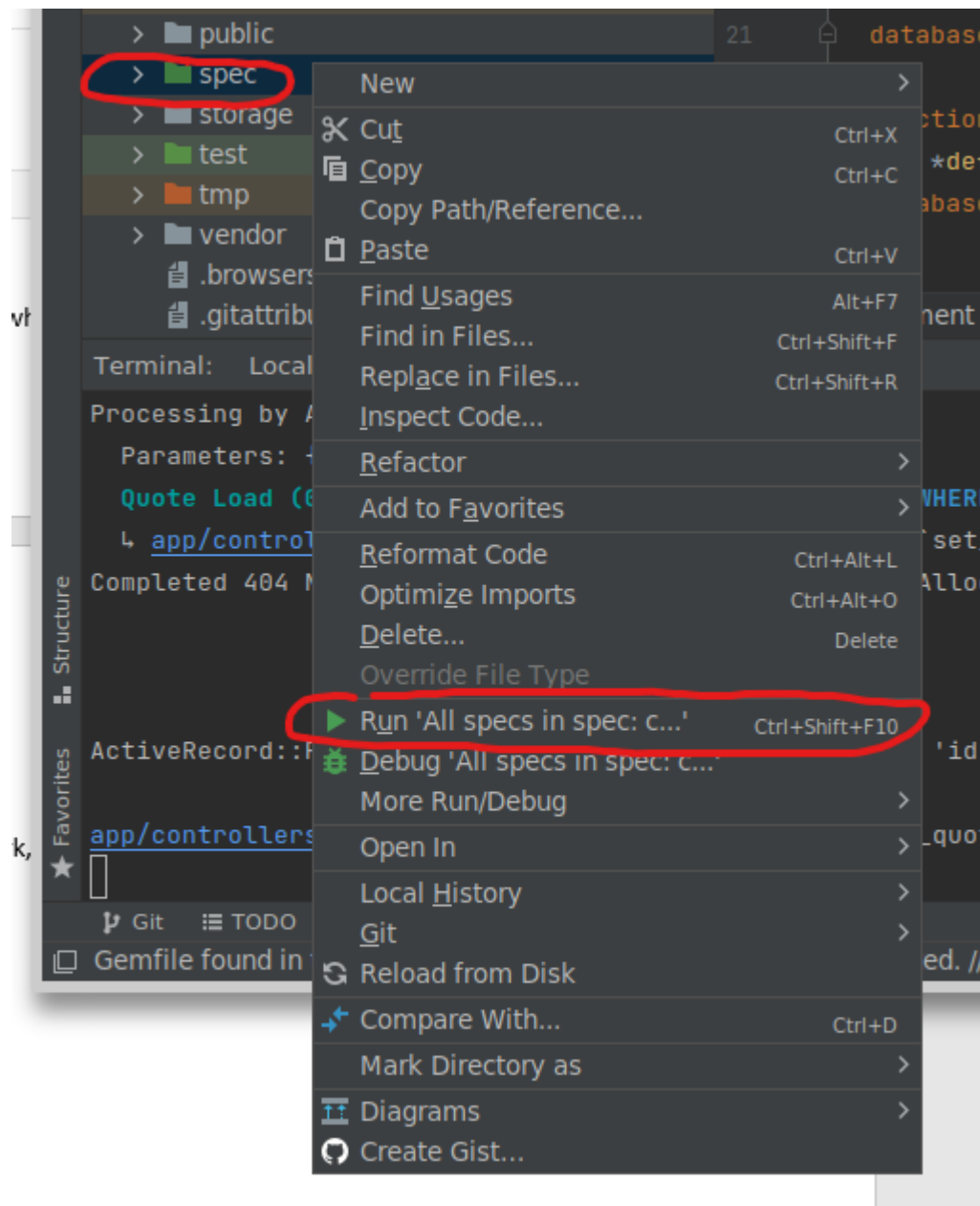
```
42 # Use callbacks to share common setup or constraints between actions.  
43 def set_quote  
44   @quote = Quote.find(params[:id])  
45 end  
46  
47 # Only allow a list of trusted parameters through.
```

Task B2

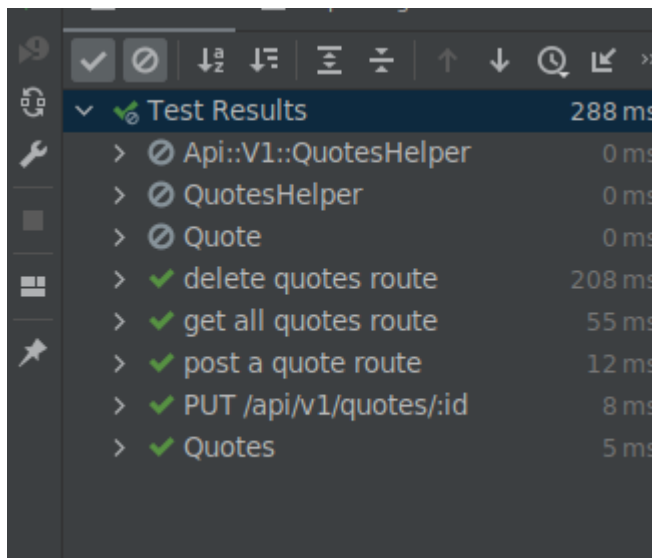
I am using RSpec as the testing framework, I run my test locally using the RubyMine IDE for Ruby. This assumes that you have installed all the gems that are bundled to the project when setting up the server in task B1.

To run tests:

Right click the `/spec` folder and click Run `'All specs in spec:.'` button

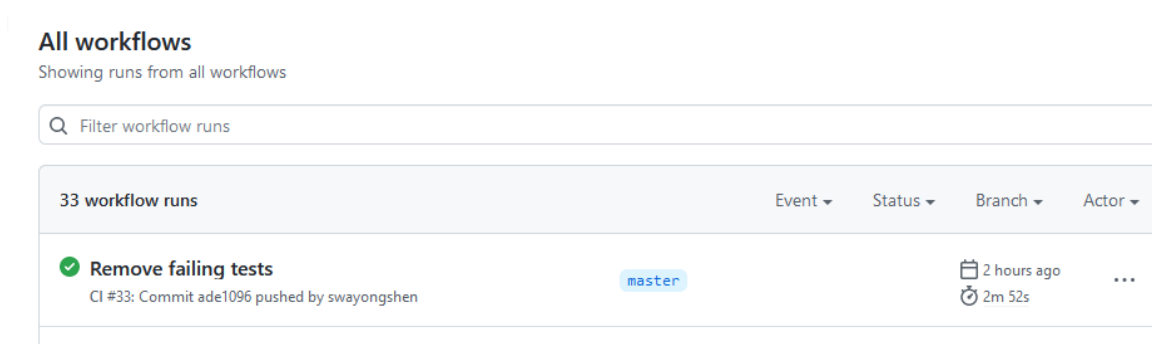


Result of tests:

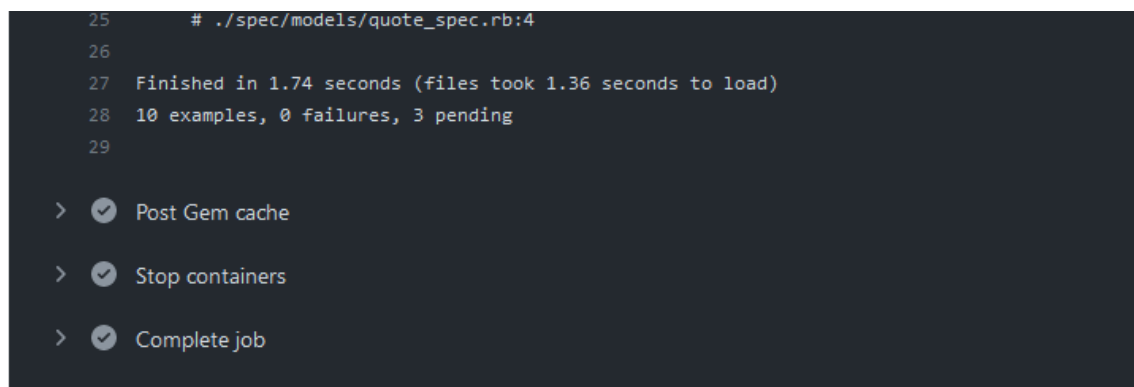


Running Tests using a CI tool (Github Actions)

The `.github/workflows/ci.yml` file describes to Github Actions the step needed to run RSpec tests. The last line in the `ci.yml` file runs the `bundle exec rspec` command to run all RSpec tests.



Tests are passing on Github.



Task B4

There is no need to do additional setup for the frontend as it comes with the backend. Visit `localhost:3000/` to view the frontend.

The front end framework used is React and styling framework used is Ant Design.