# Submission for Task B1, B2, B4

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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(local)**

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

**Postman Calls(Remote)**

|  |
| --- |
| **GET**  [https://boiling-dawn-92001.herokuapp.com/api/v1/quotes](%20https://boiling-dawn-92001.herokuapp.com/api/v1/quotes) |
| **POST** https://boiling-dawn-92001.herokuapp.com/api/v1/quotes  Body (JSON):  {      "quote": {          "title": "Sample title"      }  } |
| **PUT** https://boiling-dawn-92001.herokuapp.com/api/v1/quotes/1  Body (JSON):  {      "quote": {          "title": "New sample title"      }  }  Note: The id has to be valid, use GET <https://boiling-dawn-92001.herokuapp.com/api/v1/quotes> to see what quote ids are valid. |
| **DELETE** <http://localhost:3000/api/v1/quotes/1>  Note: The id has to be valid, use GET <https://boiling-dawn-92001.herokuapp.com/api/v1/quotes> to see what quote ids are valid. |

**Error Handling**

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

|  |
| --- |
| **GET** <http://localhost:3000/api/v1/quotes>/50 |

Graphical user interface, text, application, email

Description automatically generated

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

|  |
| --- |
| **GET** http://localhost:3000/api/v1/cars |

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

1. Empty POST request to route of quotes, where a quote is not present in the request body. (HTTP 400)

|  |
| --- |
| **POST** <http://localhost:3000/api/v1/quotes>  Body (JSON): |

Graphical user interface, text, application

Description automatically generated

1. Empty PUT request to route of a particular quote, where a quote is not present in the request body (HTTP 400)

|  |
| --- |
| **PUT**  <http://localhost:3000/api/v1/quotes>  Body (JSON): |

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1. Deleting a resource that does not exist, there is no quote with id 50. (HTTP 404)

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

Graphical user interface, application

Description automatically generated

## 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

Graphical user interface, text

Description automatically generated

Result of tests:

Graphical user interface, text, application

Description automatically generated

**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.

Graphical user interface, text, application

Description automatically generated

Tests are passing on Github.

Text

Description automatically generated

### 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.