# 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 sqlite 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):  {      "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 |

**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 |

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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): |

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1. 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): |

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

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

Graphical user interface, application

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## 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

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Result of tests:

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**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

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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.