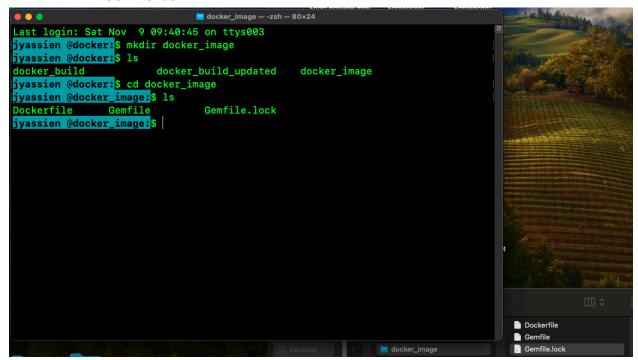
This documentation is about setting up a new Ruby on Rails project using Docker image from scratch:

Project name **Document**

Example models: **User and UserDocument**

Step 1: Create Docker Image:

- Create a folder and add docker image files
 - Dockerfile
 - o Gemfile
 - Gemfile.lock



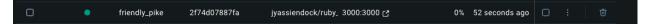
- Make sure you Docker Desktop is open before running the following image
 - Create an imge:
 - docker build -t <DOCKER USERNAME>/<NEW IMAGE NAME> .
 - For my case:

docker build -t jyassiendock/ruby rails document image.

- Now let's run our newly created image. (You can run docker image anywhere in your directory)
- Let's create a new folder inside our docker_image folder called docker_container
 - mkdir docker container
- Run docker image

jyassien @docker_container:
 docker run -it -p 3000:3000 -v \$(pwd):/workspace jyassiendock/ruby_rails_document_image
root@2f74d07887fa:/workspace#

 The image has been initialized and a container was created with an ID 2f74d07887fa



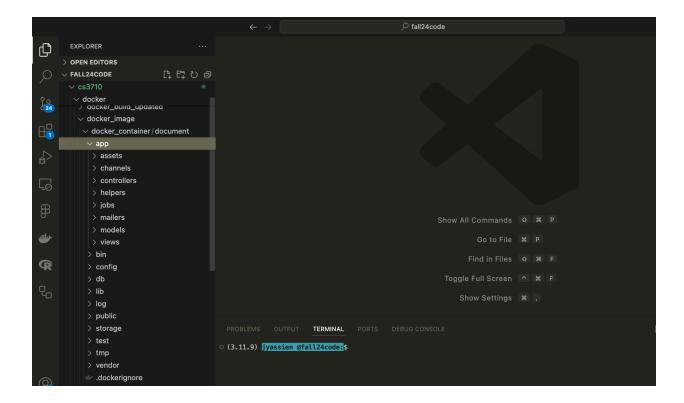
Step 2: Create a Rails app:

- Let's create the **document** app with no bundle install and git initialization:
 - o rails new document --skip-bundle --skip-git

```
root@2f74d07887fa:/workspace# rails new document --skip-bundle --skip-git
Based on the specified options, the following options will also be activated:
  --skip-decrypted-diffs [due to --skip-git]
      create README.md
      create Rakefile
      create .ruby-version
      create config.ru
create Gemfile
      create app
      create app/assets/config/manifest.js
      create app/assets/stylesheets/application.css
      {\tt create app/channels/application\_cable/channel.rb}
      create app/channels/application_cable/connection.rb
create app/controllers/application_controller.rb
      create app/helpers/application_helper.rb
      create app/jobs/application_job.rb
      create app/mailers/application_mailer.rb
create app/models/application_record.rb
      create app/views/layouts/application.html.erb
      create app/views/layouts/mailer.html.erb
      create app/views/layouts/mailer.text.erb
      create app/assets/images
      create app/assets/images/.keep
      create app/controllers/concerns/.keep
      create app/models/concerns/.keep
      create bin
      create bin/rails
create bin/rake
```

The document app is initialzaed with necessary folder structure

```
root@2f74d07887fa:/workspace# ls
document
root@2f74d07887fa:/workspace# cd document/
root@2f74d07887fa:/workspace/document# ls
Dockerfile Gemfile README.md Rakefile app bin config config.ru db lib log public storage test tmp vendor
root@2f74d07887fa:/workspace/document#
```



Step 3: Set up two models with one-to-many relations;

A. Scaffold user model:-

rails generate scaffold User username:string email:string
subject:string

- Since Docuemnt is a reserved word, I will user UserDocument.
- B. Scaffold UserDocument model with one-to-many relation ship with the user model:

rails generate scaffold UserDocument title:string content:text user:references

C. Next step is migrating the database schemas

rails db:migrate

D. Define model association:

```
class User < ApplicationRecord
  has_many :documents, dependent: :destroy
End</pre>
```

We have successful setted-up a Ruby on Ralls app with one-to-many relationship from scratch using Docker Image.