Software Installation: Specifics for Linux and Docker

Capstone: Photo Tourist Web Application

In this lecture, we will discuss...

✧ Development Environment Setup for Docker
  - Docker
  - Docker-Compose

✧ **WARNING!**
  - This is not a lesson in learning Docker
  - This material is here for individuals already familiar with Docker
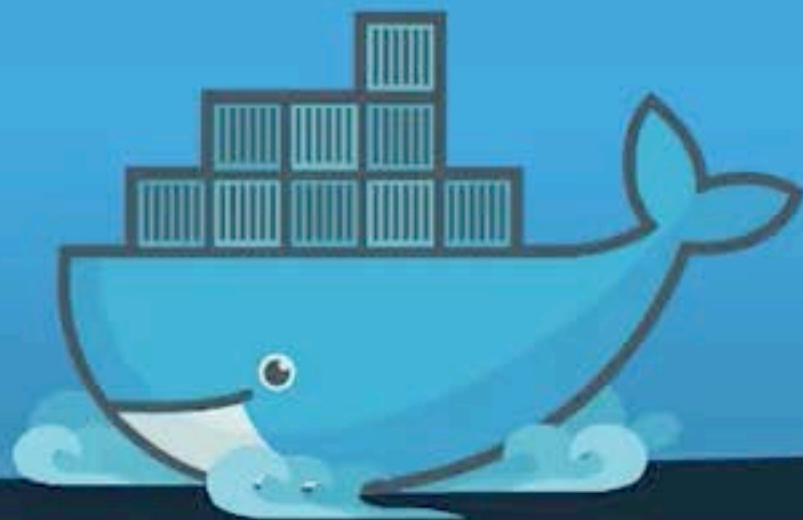 - Contains information on how to setup Rails/Docker

docker

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BUILD, SHIP, RUN

Docker is the world's leading software containerization platform

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Get Trusted and Enterprise ready Docker Containers created by Docker Verified Publishers, from the Docker Store.

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Compose Services/Virtual Machines

✧ **postgres**
  - PostgreSQL instance

✧ **mongo**
  - MongoDB instance

✧ **railsvm**
  - Rails Server

✧ *rake*
  - Variant of railsvm
  - Runs all tests
  - No interaction

✧ *test*
  - Variant of railsvm
  - Exposes test debug using VNC server

✧ *selenium*
  - Chrome node
  - Firefox node
  - Exposes test debug through VNC instance

Service Contents

✧ **postgres**
- PostgreSQL (latest)

✧ **mongo**
- MongoDB (latest)

✧ **railsvm**
- Firefox (iceweasel)
- Ruby (>= v2.2)
- node.js (latest)
- ImageMagick (v6.9.x)
- PhantomJS (v2.1.1)
- rails (v4.2.6)
- rails-api
- bundler

Prerequisites

✧ Docker Installed

✧ Docker-Compose Installed

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker
```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Docker
```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Dockerfile
```

```
1 FROM ejavaguy/capstone_rails-onbuild:latest
```
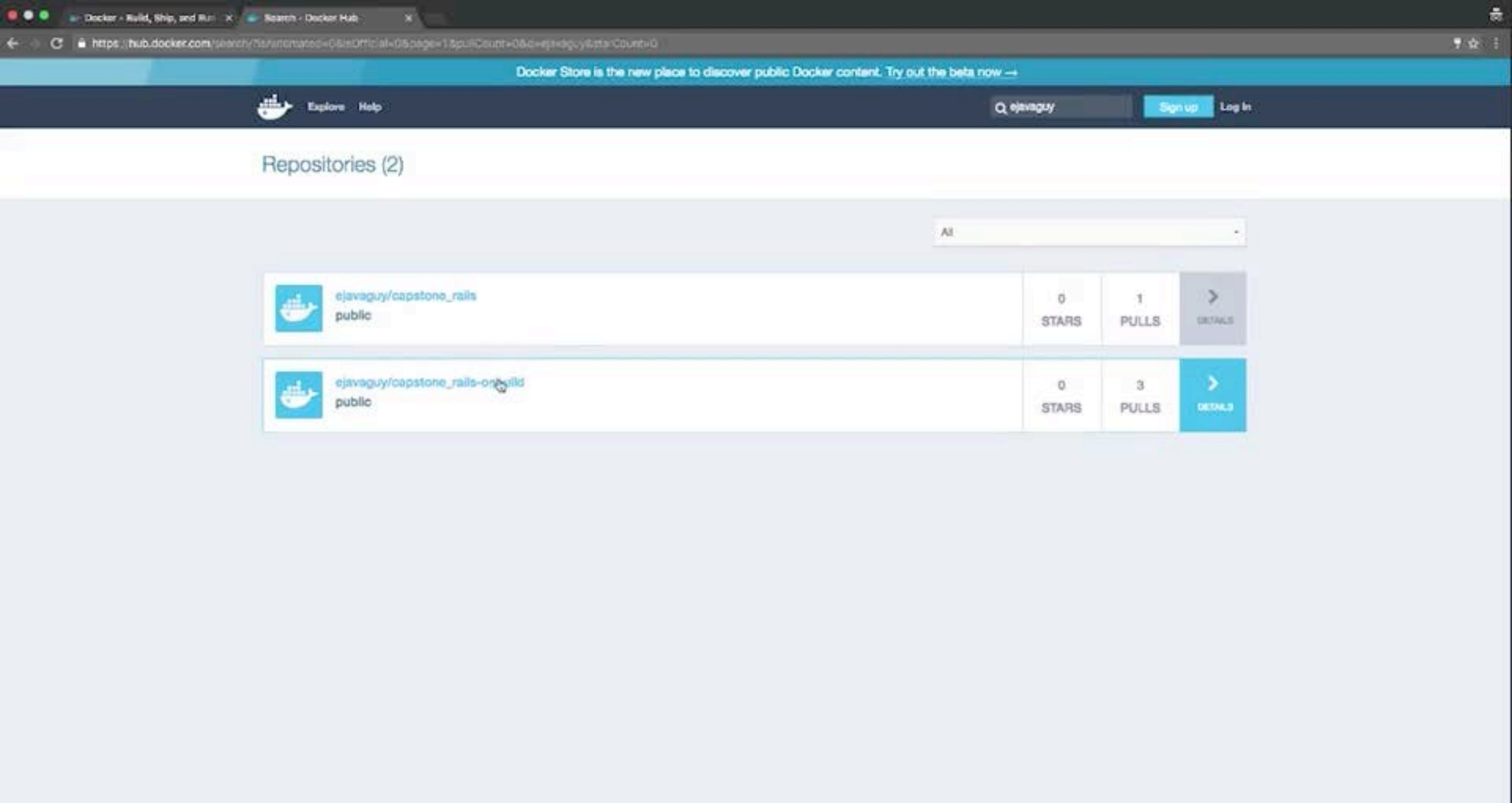
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Repositories (2)

All

		STARS	PULLS	
ejavaguy/capstone_rails public		0 STARS	1 PULLS	> DETAILS
ejavaguy/capstone_rails-onbuild public		0 STARS	3 PULLS	> DETAILS

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PUBLIC REPOSITORY

ejavaguy/capstone_rails ☆

Last pushed: 3 days ago

Repo Info   Tags

Short Description

docker images for JHU/Coursera Rails Capstone course

Full Description

Support docker images for building and testing full stack Rails application for the Coursera Capstone course (https://www.coursera.org/learn/photo-tourist-web-app-capstone). Source: https://github.com/jhu-ep-coursera/capstone_docker

Docker Pull Command

```
docker pull ejavaguy/capstone_rails
```

Owner

ejavaguy

Comments (0)

GitHub, Inc. [US] | https://github.com/jhu-ep-coursera/capstone_docker

jhu-ep-coursera / capstone_docker

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| 5 commits | 1 branch | 0 releases | 1 contributor |

Branch: master ▾   New pull request   Find file   Clone or download ▾

ejavaguy corrected ppostgres file and reset Gemfile.lock   Latest commit fe53a3c 3 days ago

capstone_rails-onbuild	added namespace to Dockerfile	3 days ago
capstone_rails	docker and app files	3 days ago
sample_app	corrected ppostgres file and reset Gemfile.lock	3 days ago
.gitignore	docker and app files	3 days ago
README.md	initial commit	3 days ago

README.md

capstone_docker

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.gitignore	docker and app files	3 days ago
README.md	initial commit	3 days ago

```
1 FROM ejavaguy/capstone_rails-onbuild:latest
```

```
1 source 'https://rubygems.org'
2 gem 'rails', '4.2.6'
3 gem 'rails-api'
```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Dockerfile
Jamess-MacBook-Pro:docker_demo jim$ vi Gemfile
Jamess-MacBook-Pro:docker_demo jim$ to
```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Dockerfile
Jamess-MacBook-Pro:docker_demo jim$ vi Gemfile
Jamess-MacBook-Pro:docker_demo jim$ touch Gemfile.lock
Jamess-MacBook-Pro:docker_demo jim$ █
```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Dockerfile
Jamess-MacBook-Pro:docker_demo jim$ vi Gemfile
Jamess-MacBook-Pro:docker_demo jim$ touch Gemfile.lock
Jamess-MacBook-Pro:docker_demo jim$ vi docker-compose.yml
```

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<> Code   ⓘ Issues   0   ⑂ Pull requests   0   ▥ Projects   0   ⩗ Pulse   ╷╷ Graphs

Branch: master ▾   **capstone_docker** / **sample_app** /   Create new file   Find file   History

🟩 **ejavaguy** corrected ppostgres file and reset Gemfile.lock   Latest commit `fe53a3c` 3 days ago

..

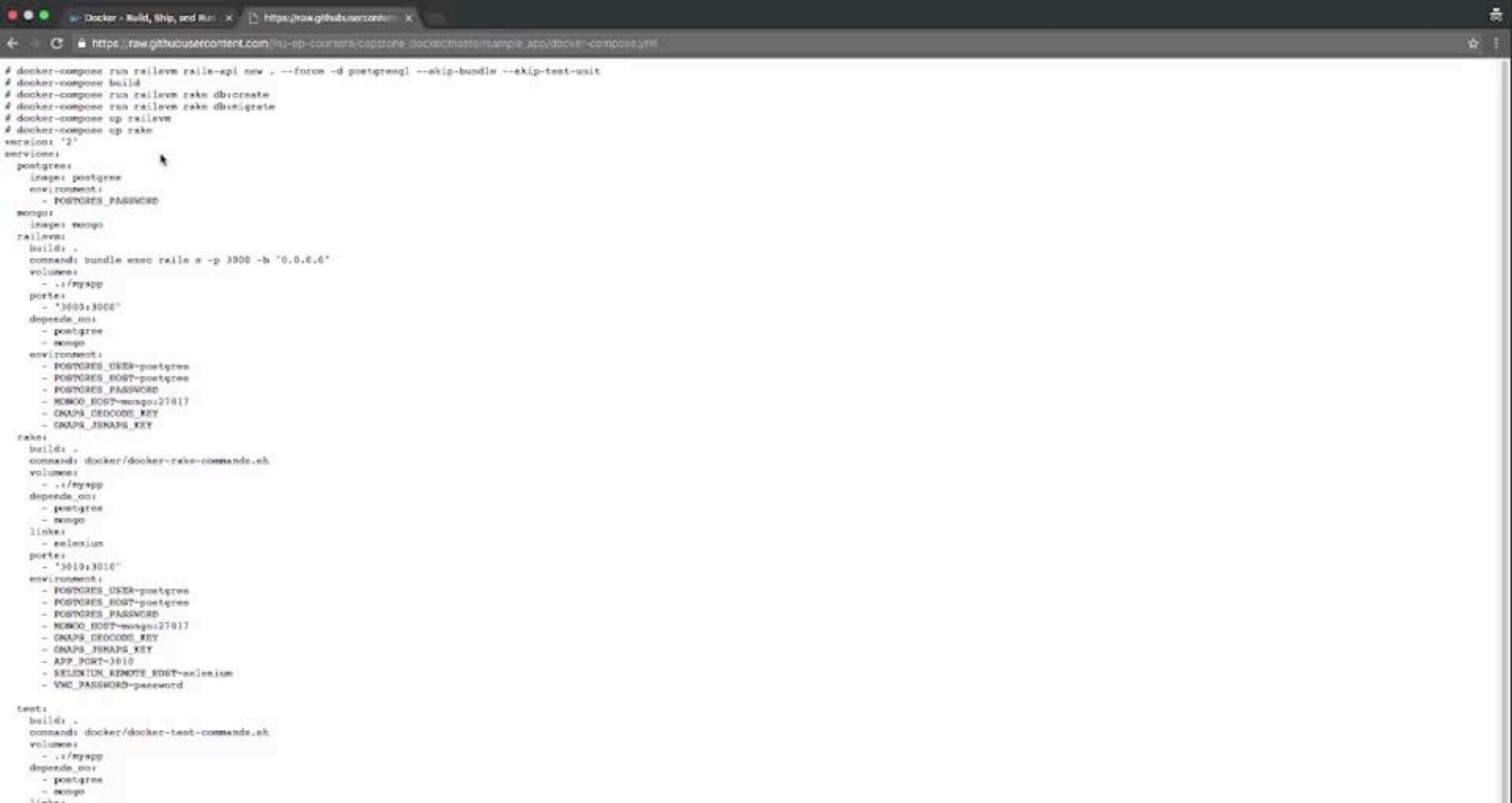| 📁 config | corrected ppostgres file and reset Gemfile.lock | 3 days ago |
📁 docker	updated docker-compose files	3 days ago
📄 Dockerfile	added namespace to Dockerfile	3 days ago
📄 Gemfile	docker and app files	3 days ago
📄 Gemfile.lock	corrected ppostgres file and reset Gemfile.lock	3 days ago
📄 docker-compose.yml	updated docker-compose files	3 days ago

84 lines (82 sloc) | 1.86 KB

Raw   Blame   History

```
1   # docker-compose run railsvm rails-api new . --force -d postgresql --skip-bundle --skip-test-unit
2   # docker-compose build
3   # docker-compose run railsvm rake db:create
4   # docker-compose run railsvm rake db:migrate
5   # docker-compose up railsvm
6   # docker-compose up rake
7   version: '2'
8   services:
9     postgres:
10      image: postgres
11      environment:
12        - POSTGRES_PASSWORD
13    mongo:
14      image: mongo
15    railsvm:
16      build: .
17      command: bundle exec rails s -p 3000 -b '0.0.0.0'
18      volumes:
19        - .:/myapp
20      ports:
21        - "3000:3000"
22      depends_on:
```

```yaml
# docker-compose run railsvm rails-api new . --force -d postgresql --skip-bundle --skip-test-unit
# docker-compose build
# docker-compose run railsvm rake db:create
# docker-compose run railsvm rake db:migrate
# docker-compose up railsvm
# docker-compose up rake
version: '2'
services:
  postgres:
    image: postgres
    environment:
      - POSTGRES_PASSWORD
  mongo:
    image: mongo
  railsvm:
    build: .
    command: bundle exec rails s -p 3000 -b '0.0.0.0'
    volumes:
      - .:/myapp
    ports:
      - "3000:3000"
    depends_on:
      - postgres
      - mongo
    environment:
      - POSTGRES_USER=postgres
      - POSTGRES_HOST=postgres
      - POSTGRES_PASSWORD
      - MONGO_HOST=mongo:27017
      - GMAPS_GEOCODE_KEY
      - GMAPS_JSMAPS_KEY
  rake:
    build: .
    command: docker/docker-rake-commands.sh
    volumes:
      - .:/myapp
    depends_on:
      - postgres
      - mongo
    links:
      - selenium
    ports:
      - "3010:3010"
    environment:
      - POSTGRES_USER=postgres
      - POSTGRES_HOST=postgres
      - POSTGRES_PASSWORD
      - MONGO_HOST=mongo:27017
      - GMAPS_GEOCODE_KEY
      - GMAPS_JSMAPS_KEY
      - APP_PORT=3010
      - SELENIUM_REMOTE_HOST=selenium
      - VNC_PASSWORD=password

  test:
    build: .
    command: docker/docker-test-commands.sh
    volumes:
      - .:/myapp
    depends_on:
      - postgres
      - mongo
```

```yaml
# docker-compose run railsvm rails-api new . --force -d postgresql --skip-bundle --skip-test-unit
# docker-compose build
# docker-compose run railsvm rake db:create
# docker-compose run railsvm rake db:migrate
# docker-compose up railsvm
# docker-compose up rake
version: '2'
services:
  postgres:
    image: postgres
    environment:
      - POSTGRES_PASSWORD
  mongo:
    image: mongo
  railsvm:
    build: .
    command: bundle exec rails s -p 3000 -b '0.0.0.0'
    volumes:
      - .:/myapp
    ports:
      - "3000:3000"
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      - mongo
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      - POSTGRES_USER=postgres
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# docker-compose run railsvm rails-api new . --force -d postgresql --skip-bundle --skip-test-unit
# docker-compose build
# docker-compose run railsvm rake db:create
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# docker-compose up railsvm
# docker-compose up rake
version: '2'
services:
  postgres:
    image: postgres
    environment:
      - POSTGRES_PASSWORD
  mongo:
    image: mongo
  railsvm:
    build: .
    command: bundle exec rails s -p 3000 -b '0.0.0.0'
    volumes:
      - .:/myapp
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      - "3000:3000"
    depends_on:
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      - POSTGRES_USER=postgres
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      - POSTGRES_PASSWORD
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      - GMAPS_GEOCODE_KEY
      - GMAPS_JSMAPS_KEY
```

```yaml
version: '2'
services:
  postgres:
    image: postgres
    environment:
      - POSTGRES_PASSWORD
  mongo:
    image: mongo
  railsvm:
    build: .
    command: bundle exec rails s -p 3000 -b '0.0.0.0'
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      - .:/myapp
    ports:
      - "3000:3000"
    depends_on:
      - postgres
      - mongo
    environment:
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      - POSTGRES_HOST=postgres
      - POSTGRES_PASSWORD
      - MONGO_HOST=mongo:27017
```

```yaml
 1 version: '2'
 2 services:
 3   postgres:
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 5     environment:
 6       - POSTGRES_PASSWORD
 7   mongo:
 8     image: mongo
 9   railsvm:
10     build: .
11     command: bundle exec rails s -p 3000 -b '0.0.0.0'
12     volumes:
13       - .:/myapp
14     ports:
15       - "3000:3000"
16     depends_on:
17       - postgres
18       - mongo
19     environment:
20       - POSTGRES_USER=postgres
21       - POSTGRES_HOST=postgres
22       - POSTGRES_PASSWORD
23      - MONGO_HOST=mongo:27017
```
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```
  1 POSTGRES_PASSSWORD=capstone
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```

```yaml
1 version: '2'
2 services:
3   postgres:
4     image: postgres
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7   mongo:
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11    command: bundle exec rails s -p 3000 -b '0.0.0.0'
12    volumes:
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16    depends_on:
17      - postgres
18      - mongo
19    environment:
20      - POSTGRES_USER=postgres
21      - POSTGRES_HOST=postgres
22      - POSTGRES_PASSWORD
23      - MONGO_HOST=mongo:27017
~
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```

```
Jamess-MacBook-Pro:proj jim$ mkdir docker_demo
Jamess-MacBook-Pro:proj jim$ cd docker_demo/
Jamess-MacBook-Pro:docker_demo jim$ vi Dockerfile
Jamess-MacBook-Pro:docker_demo jim$ vi Gemfile
Jamess-MacBook-Pro:docker_demo jim$ touch Gemfile.lock
Jamess-MacBook-Pro:docker_demo jim$ vi docker-compose.yml
Jamess-MacBook-Pro:docker_demo jim$ docker-compose build
mongo uses an image, skipping
postgres uses an image, skipping
Building railsvm
Step 1 : FROM ejavaguy/capstone_rails-onbuild:latest
```

```
Jamess-MacBook-Pro:docker_demo jim$ vi docker-compose.yml
Jamess-MacBook-Pro:docker_demo jim$ docker-compose build
mongo uses an image, skipping
postgres uses an image, skipping
Building railsvm
Step 1 : FROM ejavaguy/capstone_rails-onbuild:latest
latest: Pulling from ejavaguy/capstone_rails-onbuild
386a066cd84a: Downloading [===============>                            ] 14.68 MB/51.36 MB
75ea84187083: Downloading [==================================================>] 17.5 MB/18.53 MB
88b459c9f665: Downloading [============================>                ] 23.43 MB/42.5 MB
1e3ee139a577: Waiting
741de17843a5: Waiting
c7696c3be34d: Waiting
9f3a2b674cef: Waiting
1680518a5b89: Waiting
703cbe4ddcc4: Waiting
17b754b5ead7: Waiting
6e75716afc2b: Waiting
ca3280e32453: Waiting
0d34947ae245: Waiting
34a79d2c3e25: Waiting
c2b9efde4880: Pulling fs layer
886a45d788a6: Waiting
9095d7952877: Waiting
2c899686d401: Waiting
5239fc08fa17: Waiting
1ccdb6eb6166: Waiting
7ff39c525c75: Waiting
c4ebc1b3c0a7: Waiting
37f7c523de0c: Waiting
```

```
386a066cd84a: Pull complete
75ea84187083: Pull complete
88b459c9f665: Pull complete
1e3ee139a577: Pull complete
741de17843a5: Pull complete
c7696c3be34d: Pull complete
9f3a2b674cef: Pull complete
1680518a5b89: Pull complete
703cbe4ddcc4: Pull complete
17b754b5ead7: Pull complete
6e75716afc2b: Pull complete
ca3280e32453: Pull complete
0d34947ae245: Pull complete
34a79d2c3e25: Pull complete
c2b9efde4880: Pull complete
886a45d788a6: Pull complete
9095d7952877: Pull complete
2c899686d401: Pull complete
5239fc08fa17: Pull complete
1ccdb6eb6166: Pull complete
7ff39c525c75: Pull complete
c4ebc1b3c0a7: Pull complete
37f7c523de0c: Pull complete
Digest: sha256:371531fef3b37b144f21da3b34c148f090f19d0c373342ef8aedf3098dfa5dcd
Status: Downloaded newer image for ejavaguy/capstone_rails-onbuild:latest
# Executing 3 build triggers...
Step 1 : COPY Gemfile $APP_HOME
Step 1 : COPY Gemfile.lock $APP_HOME
Step 1 : RUN bundle install
 ---> Running in 3ecdde1009eb
```

```
Installing thor 0.19.4
Using tzinfo 1.2.2
Using nokogiri 1.6.8.1
Using rack-test 0.6.3
Using mime-types 3.1
Using sprockets 3.7.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using rails-html-sanitizer 1.0.3
Using rails-dom-testing 1.0.7
Using activejob 4.2.6
Using activerecord 4.2.6
Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rails 4.2.6
Bundle complete! 2 Gemfile dependencies, 36 gems now installed.
Bundled gems are installed into /usr/local/bundle.
 ---> 1e00bae11ded
Removing intermediate container 888b07290584
Removing intermediate container bc8f47ed1afe
Removing intermediate container 3ecdde1009eb
Successfully built 1e00bae11ded
```

```
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm rake db:create
Creating network "dockerdemo_default" with the default driver
Pulling mongo (mongo:latest)...
latest: Pulling from library/mongo
386a066cd84a: Already exists
524267bc200a: Pull complete
476d61c7c43a: Pull complete
0750d0e28b90: Pull complete
4bedd83d0855: Pull complete
162b67684652: Pull complete
46f53b7d829e: Downloading [==================>                    ] 24.87 MB/70.82 MB
cef8f3d7f866: Download complete
2272eba3cacc: Download complete
```

```
476d61c7c43a: Pull complete
0750d0e28b90: Pull complete
4bedd83d0855: Pull complete
162b67684652: Pull complete
46f53b7d829e: Pull complete
cef8f3d7f866: Pull complete
2272eba3cacc: Pull complete
Digest: sha256:5c0b6ec4ed120b591ba625806d4b4e59379e0e8ecb0591e41b3f16cfdf0015a2
Status: Downloaded newer image for mongo:latest
Pulling postgres (postgres:latest)...
latest: Pulling from library/postgres
386a066cd84a: Already exists
e6dd80b38d38: Pull complete
9cd706823821: Pull complete
40c17ac202a9: Pull complete
7380b383ba3d: Pull complete
538e418b46ce: Pull complete
c3b9d41b7758: Pull complete
dd4f9522dd30: Pull complete
920e548f9635: Pull complete
628af7ef2ee5: Pull complete
01f12ce02828: Pull complete
Digest: sha256:3aa888ee9bf0f0e408e23d05bfe1243cd61d3c39a44eb439ba228a4b35e6add6
Status: Downloaded newer image for postgres:latest
Creating dockerdemo_mongo_1
Creating dockerdemo_postgres_1
rake aborted!
No Rakefile found (looking for: rakefile, Rakefile, rakefile.rb, Rakefile.rb)
/usr/local/bundle/gems/rake-11.3.0/exe/rake:27:in `<top (required)>'
(See full trace by running task with --trace)
```

```
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_USER']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ 
```

```
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_USER']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_HOST']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ ▮
```

```
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_USER']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_HOST']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ vi .env
Jamess-MacBook-Pro:docker_demo jim$
```

```
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_USER']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_HOST']"
postgres
Jamess-MacBook-Pro:docker_demo jim$ vi .env
Jamess-MacBook-Pro:docker_demo jim$ docker-compose run railsvm ruby -e "puts ENV['POSTGRES_PASSWORD']"
capstone
Jamess-MacBook-Pro:docker_demo jim$
```

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ejavaguy corrected ppostgres file and reset Gemfile.lock   Latest commit fe53a3c 3 days ago

..

📁 config	corrected ppostgres file and reset Gemfile.lock	3 days ago
📁 docker	updated docker-compose files	3 days ago
📄 Dockerfile	added namespace to Dockerfile	3 days ago
📄 Gemfile	docker and app files	3 days ago
📄 Gemfile.lock	corrected ppostgres file and reset Gemfile.lock	3 days ago
📄 docker-compose.yml	updated docker-compose files	3 days ago

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⊙ **5 commits**	⅃ **1 branch**	⬙ **0 releases**	⚎ **1 contributor**

Branch: master ▾   New pull request   Find file   Clone or download ▾

ejavaguy corrected ppostgres file and reset Gemfile.lock   Latest commit fe53a3c 3 days ago

📁 capstone_rails-onbuild	added namespace to Dockerfile	3 days ago
📁 capstone_rails	docker and app files	3 days ago
📁 sample_app	corrected ppostgres file and reset Gemfile.lock	3 days ago
📄 .gitignore	docker and app files	3 days ago
📄 README.md	initial commit	3 days ago

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<> Code   ⓘ Issues 0   🔀 Pull requests 0   ▦ Projects 0   ⩗ Pulse   📊 Graphs

Branch: master ▾   capstone_docker / capstone_rails-onbuild /   Create new file   Find file   History

🗐 ejavaguy added namespace to Dockerfile   Latest commit 5b22eb5 3 days ago

..

🖹 Dockerfile   added namespace to Dockerfile   3 days ago

jhu-ep-coursera / **capstone_docker**

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ejavaguy added namespace to Dockerfile   5b22eb5 3 days ago

1 contributor

11 lines (9 sloc)   370 Bytes

Raw   Blame   History

```
1    # this file creates a ruby VM that provides and environment
2    # running the capstone software and hosting RSpec and Capybara
3    # tests
4    FROM ejavaguy/capstone_rails:latest
5    MAINTAINER Jim Stafford <jim.stafford@jhu.edu>
6
7    # VM will be rebuilt from this point when these files change
8    ONBUILD COPY Gemfile $APP_HOME
9    ONBUILD COPY Gemfile.lock $APP_HOME
```

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Branch: master ▾   capstone_docker / capstone_rails-onbuild / Dockerfile   Find file   Copy path

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docker images for JHU/Coursera Rails Capstone course

ⓡ **5 commits**	⑂ **1 branch**	◌ **0 releases**	👥 **1 contributor**

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🍴 **ejavaguy** corrected ppostgres file and reset Gemfile.lock   Latest commit fe53a3c 3 days ago

📁 capstone_rails-onbuild	added namespace to Dockerfile	3 days ago
📁 capstone_rails	docker and app files	3 days ago
📁 sample_app	corrected ppostgres file and reset Gemfile.lock	3 days ago
📄 .gitignore	docker and app files	3 days ago
📄 README.md	initial commit	3 days ago

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Branch: master ▾   capstone_docker / capstone_rails / **Dockerfile**   Find file   Copy path

🛏 **ejavaguy** docker and app files   7c7c3db 3 days ago

1 contributor

---

60 lines (49 sloc) 1.7 KB   Raw   Blame   History   💻   ✎   🗑

```
 1   # this file creates a ruby VM that provides and environment
 2   # running the capstone software and hosting RSpec and Capybara
 3   # tests
 4   FROM ruby:2.2
 5   MAINTAINER Jim Stafford <jim.stafford@jhu.edu>
 6
 7   # Install firefox (aka iceweasel)
 8   RUN apt-get update -qq && \
 9     DEBIAN_FRONTEND=noninteractive apt-get install -qq -y \
10       iceweasel
11
12   # Install LXDE and VNC server to be able to see firefox
13   RUN apt-get update && \
14     DEBIAN_FRONTEND=noninteractive apt-get install -qq -y \
15       lxde-core \
```

1 contributor

| 60 lines (49 sloc) | 1.7 KB | Raw | Blame | History |

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16      lxterminal \
17      tightvncserver
18  ENV USER root
19
20  # install phantomjs - download from https://bitbucket.org/ariya/phantomjs/downloads
21  ADD https://bitbucket.org/ariya/phantomjs/downloads/phantomjs-2.1.1-linux-x86_64.tar.bz2 .
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23  RUN mv ./phantomjs-2.1.1-linux-x86_64/bin/phantomjs /usr/local/bin
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1 contributor

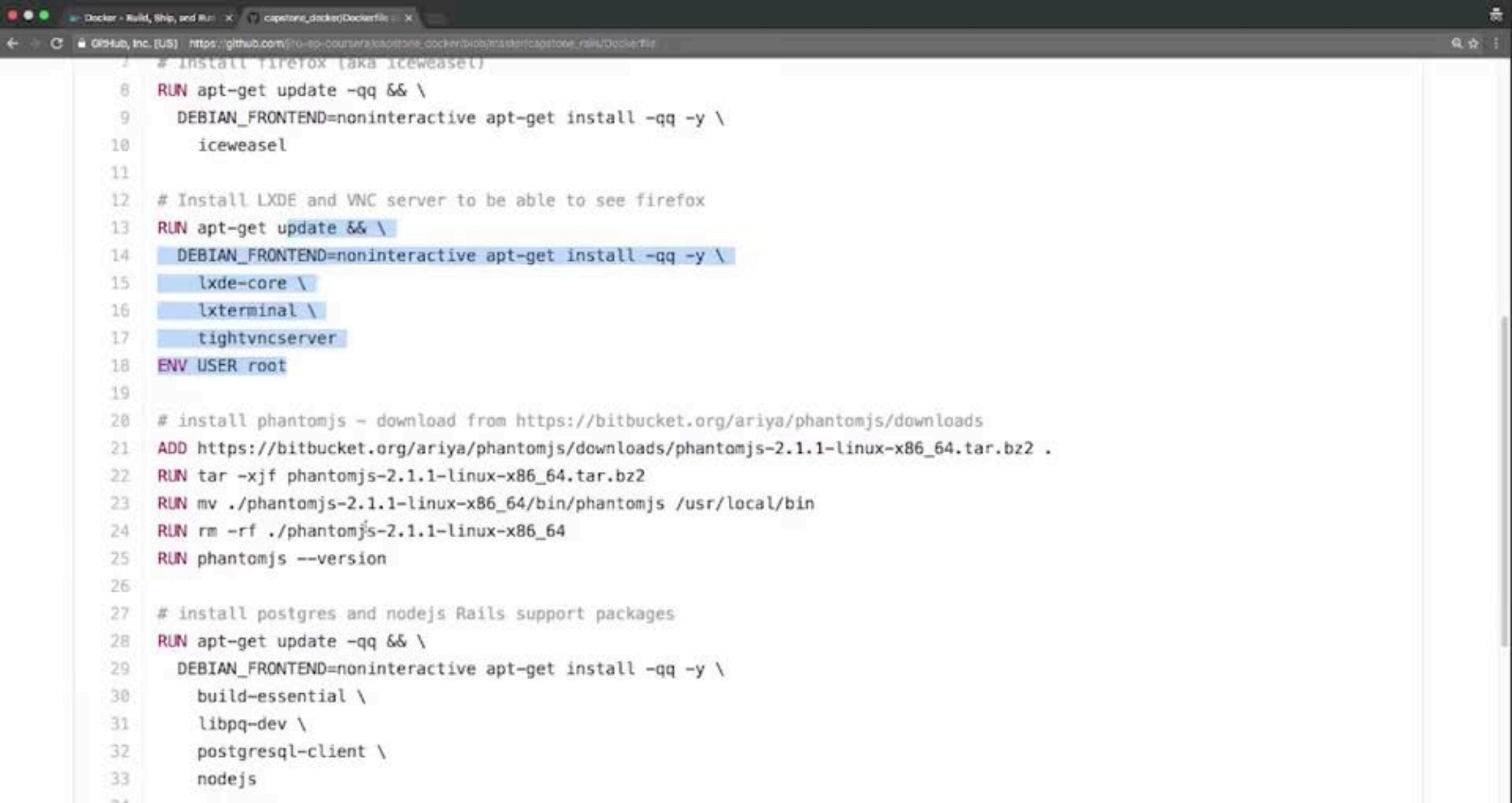60 lines (49 sloc)   1.7 KB   Raw   Blame   History   🖵   ✏   🗑

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24 RUN rm -rf ./phantomjs-2.1.1-linux-x86_64
25 RUN phantomjs --version
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27 # install postgres and nodejs Rails support packages
28 RUN apt-get update -qq && \
29   DEBIAN_FRONTEND=noninteractive apt-get install -qq -y \
30     build-essential \
31     libpq-dev \
32     postgresql-client \
33     nodejs
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31      libpq-dev \
32      postgresql-client \
33      nodejs
34
35  # install ghostscript fonts for already installed imagemagick
36  RUN apt-get update -qq && \
37    DEBIAN_FRONTEND=noninteractive apt-get install -qq -y \
38      ghostscript
39
40  # cleanup repositories
```

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40   # cleanup repositories
41   RUN rm -rf /var/lib/apt/lists/*
42
43   # cache pertinent gems
44   # define a directory within the VM for the application
45   ENV APP_HOME /myapp
46   RUN mkdir $APP_HOME
```

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43   # cache pertinent gems
44   # define a directory within the VM for the application
45   ENV APP_HOME /myapp
46   RUN mkdir $APP_HOME
47   WORKDIR $APP_HOME
48
49   # VM will be rebuilt from this point when these files change
50   ADD Gemfile $APP_HOME
51   ADD Gemfile.lock $APP_HOME
52   RUN bundle config --global --jobs 4
53   RUN bundle install
54
55   # copy this last since has the most likely changes
56   ENV DISPLAY :0
57   COPY vnc.sh /usr/local/bin
```

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Dockerfile	docker and app files	3 days ago
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vnc.sh	docker and app files	3 days ago

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📄 Dockerfile	docker and app files	3 days ago
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📄 Gemfile.lock	docker and app files	3 days ago
📄 build	docker and app files	3 days ago
📄 vnc.sh	docker and app files	3 days ago

```ruby
2
3    gem 'rails', '4.2.6'
4    gem 'rails-api', '~>0.4', '>=0.4.0'
5    gem 'pry-rails', '~>0.3', '>=0.3.4'
6
7    gem 'sass-rails', '~> 5.0'
8    gem 'uglifier', '>= 1.3.0'
9    gem 'coffee-rails', '~> 4.1.0'
10   gem 'jquery-rails', '~>4.2', '>=4.2.1'
11   gem 'jbuilder', '~> 2.0'
12   gem 'rack-cors', :require => 'rack/cors'
13   gem 'devise_token_auth', '~>0.1', '>=0.1.39'
14   gem 'pundit', '~>1.1', '>=1.1.0'
15   gem 'exifr', '~> 1.2', '>= 1.2.5'
16   gem 'mini_magick', '~> 4.5', '>= 4.5.1'
17   gem 'geokit-rails', '~>2.2', '>= 2.2.0'
18
19   group :development do
20     gem 'web-console', '~> 2.0'
21   end
22
23   group :development, :test do
24     gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
25     gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
26     gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
27     gem 'sqlite3', '~>1.3', '>=1.3.12'
28     gem 'byebug', '~>9.0', '>=9.0.6'
```
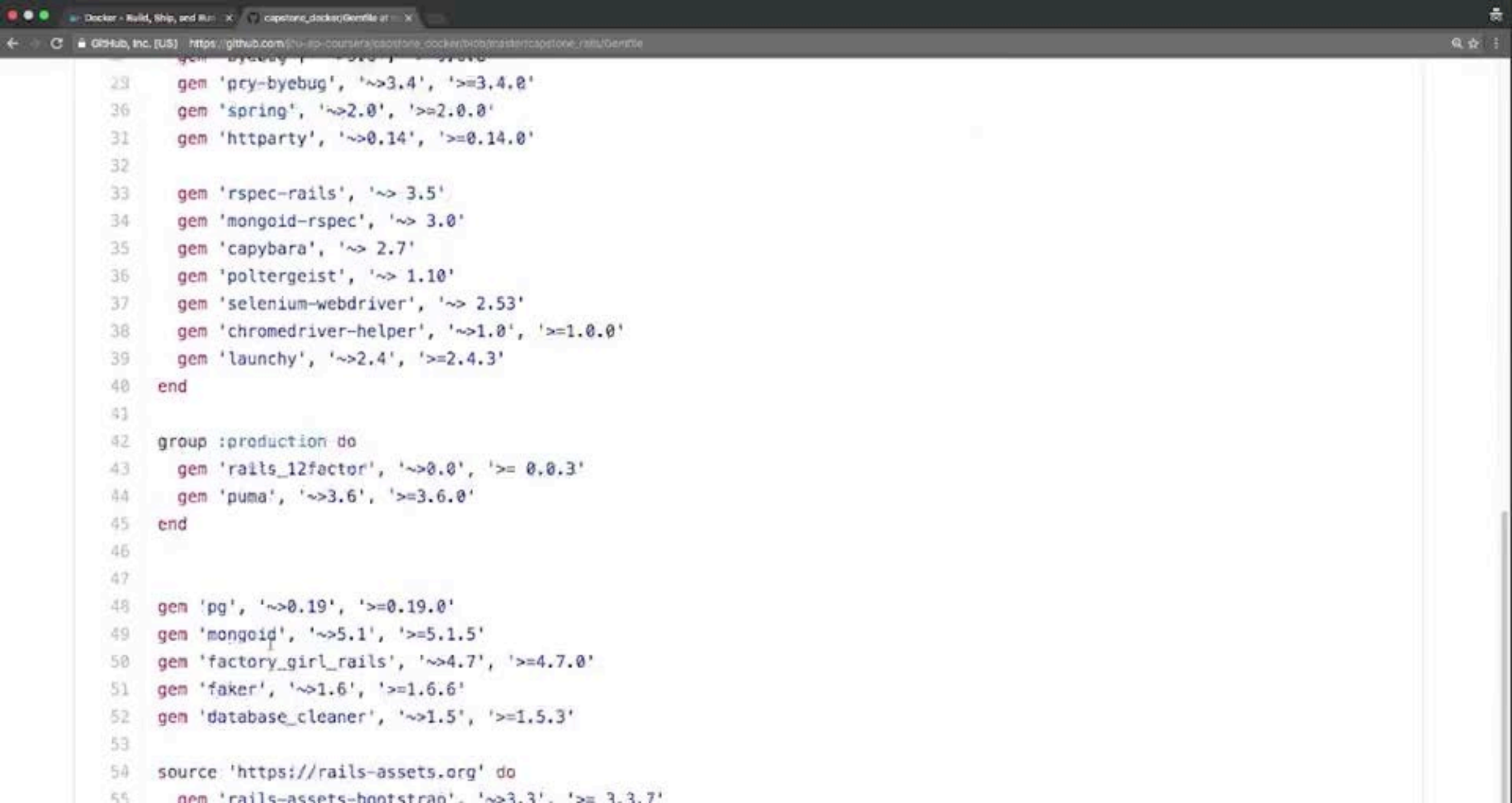
```ruby
29      gem 'pry-byebug', '~>3.4', '>=3.4.0'
30      gem 'spring', '~>2.0', '>=2.0.0'
31      gem 'httparty', '~>0.14', '>=0.14.0'
32
33      gem 'rspec-rails', '~> 3.5'
34      gem 'mongoid-rspec', '~> 3.0'
35      gem 'capybara', '~> 2.7'
36      gem 'poltergeist', '~> 1.10'
37      gem 'selenium-webdriver', '~> 2.53'
38      gem 'chromedriver-helper', '~>1.0', '>=1.0.0'
39      gem 'launchy', '~>2.4', '>=2.4.3'
40    end
41
42    group :production do
43      gem 'rails_12factor', '~>0.0', '>= 0.0.3'
44      gem 'puma', '~>3.6', '>=3.6.0'
45    end
46
47
48    gem 'pg', '~>0.19', '>=0.19.0'
49    gem 'mongoid', '~>5.1', '>=5.1.5'
50    gem 'factory_girl_rails', '~>4.7', '>=4.7.0'
51    gem 'faker', '~>1.6', '>=1.6.6'
52    gem 'database_cleaner', '~>1.5', '>=1.5.3'
53
54    source 'https://rails-assets.org' do
55      gem 'rails-assets-bootstrap', '~>3.3', '>= 3.3.7'
```

GitHub, Inc. [US] | https://github.com/ctu-ko-coursera/capstone_docker/blob/master/capstone_rails/Gemfile

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1 contributor

65 lines (55 sloc) | 2.02 KB   Raw   Blame   History

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14   gem 'pundit', '~>1.1', '>=1.1.0'
15   gem 'exifr', '~> 1.2', '>= 1.2.5'
```

Summary

✧ Software installation for Docker/Docker-Compose

What's Next

✧ Application Setup