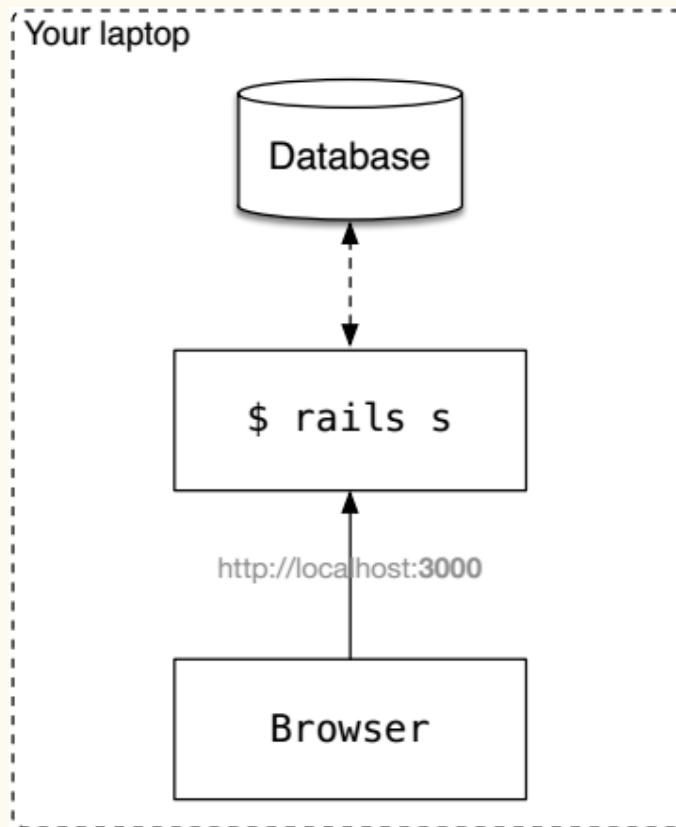
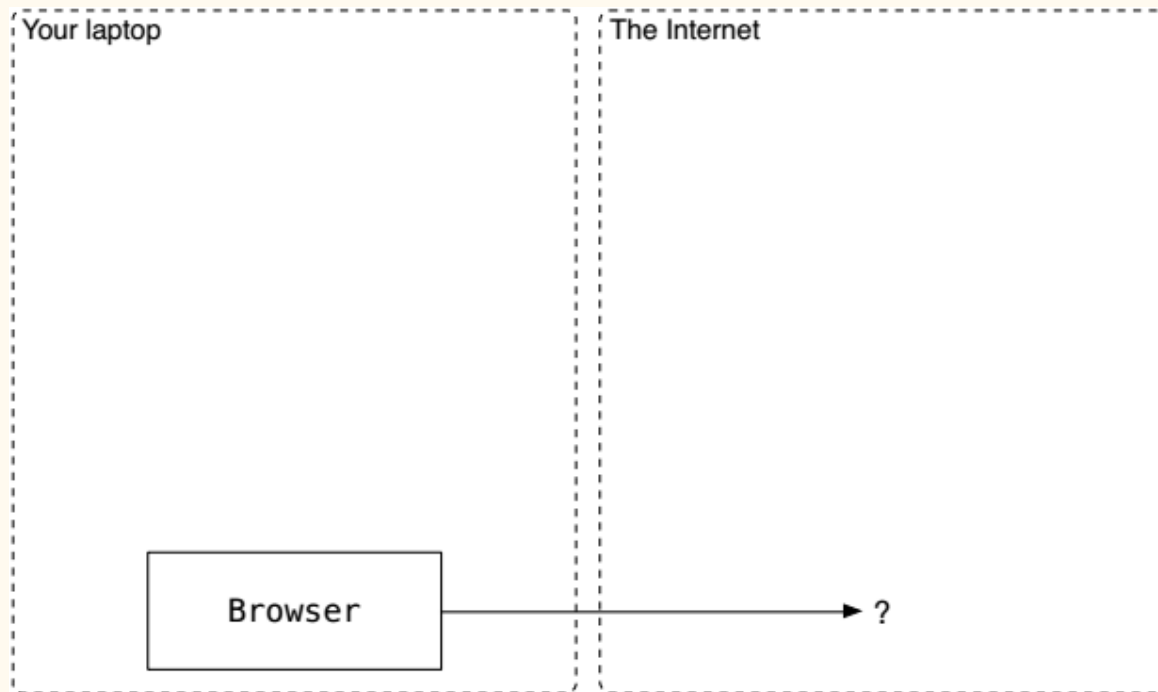


HOSTING & DEPLOYMENT

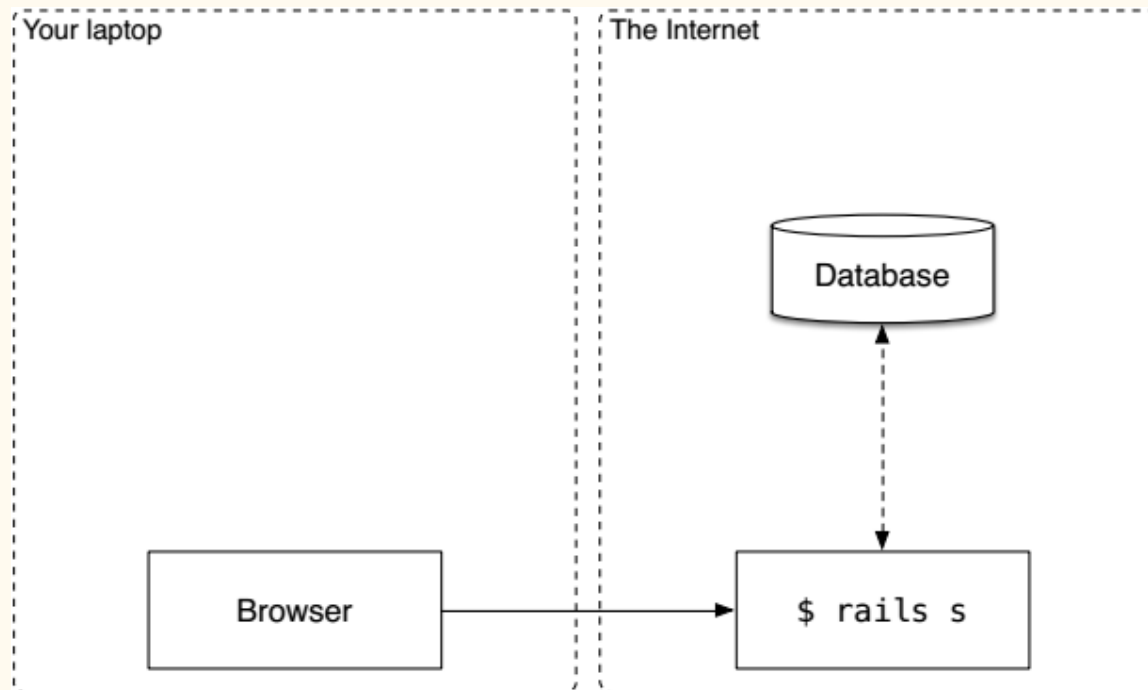
DEVELOPMENT



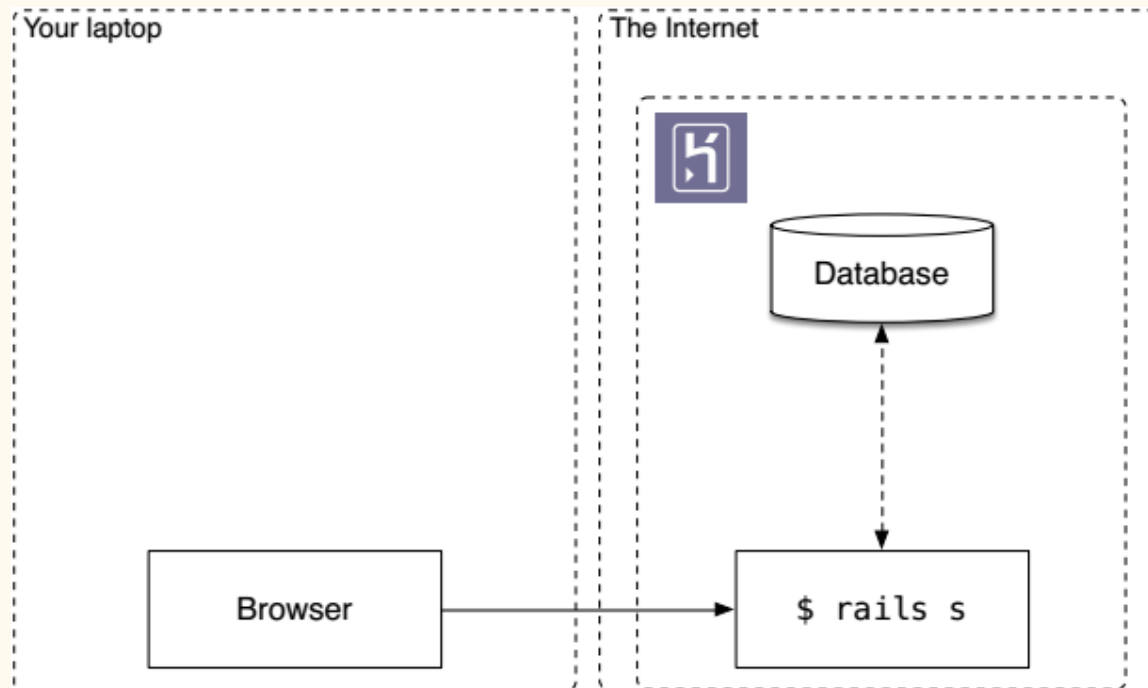
PRODUCTION



PRODUCTION



PRODUCTION



SQLITE IS OVER. SAY HELLO TO



PostgreSQL

INSTALL OS X

```
$ brew install postgresql  
$ ln -sfv /usr/local/opt/postgresql/*.plist ~/Library/LaunchAgents  
$ launchctl load ~/Library/LaunchAgents/homebrew.mxcl.postgresql.plist
```

INSTALL LINUX

```
$ whoami
$ sudo apt-get install postgresql postgresql-contrib libpq-dev
$ sudo su - postgres
$ psql
> create role "XXXXXX" login createdb; # Replace XXXXX with the role name
> \q
$ exit
```




+



PostgreSQL

NEW RAILS APPLICATION

```
$ cd ~/code/your_github_username  
$ rails new APP_NAME --database=postgresql  
$ cd APP_NAME  
  
$ git init  
$ git add . && git commit -m "Initial commit"  
$ rake db:create
```

ADDING A MODEL

```
$ rails g scaffold post title body:text
$ rake db:migrate
# Look at config/schema.rb
$ git add .
$ git commit -m "Adding the post model"
$ rails s
# Check that everything's working at http://localhost:3000/po
```

PREPARE FOR HEROKU - GEMFILE

```
# Gemfile
ruby '2.1.2'
gem 'thin'
gem 'rails_12factor'
```

```
bundle install
```

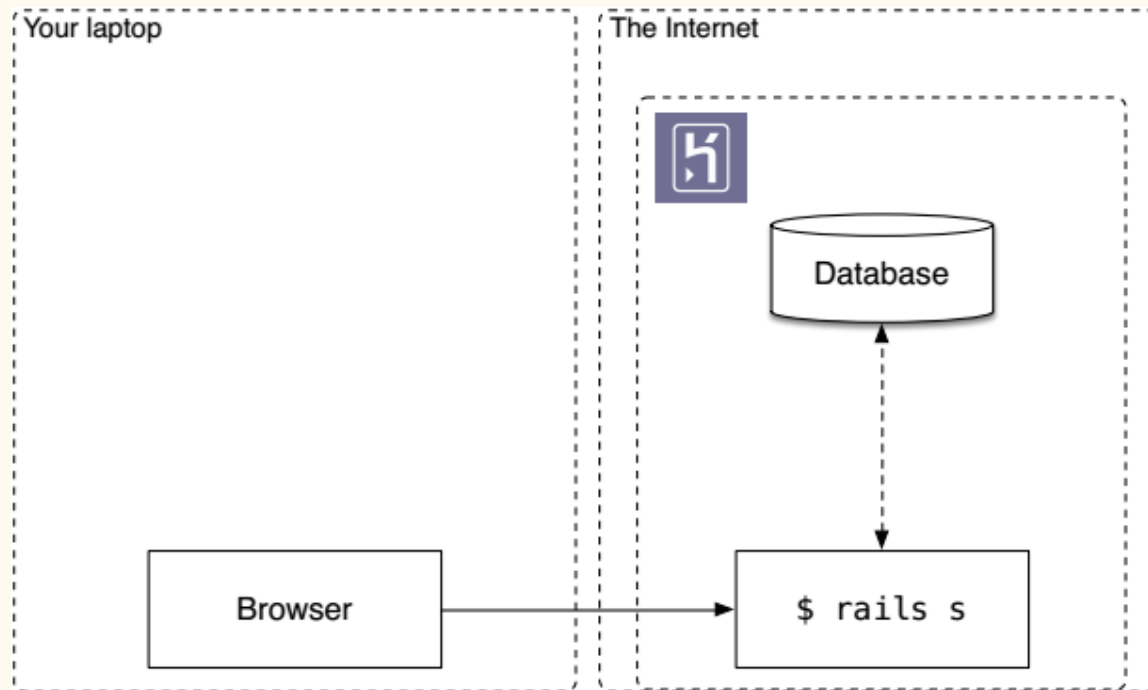
PREPARE FOR HEROKU - PROCFILE

Create a Procfile (tell Heroku what to run) and set it to

```
# Procfile  
web: bundle exec rails s -p $PORT
```

LET'S DISPLAY THIS BLOG!

PRODUCTION





SIGN UP

<https://id.heroku.com/signup>

INSTALL

```
# OS X
```

```
$ brew install heroku
```

```
# Linux
```

```
$ wget -qO- https://toolbelt.heroku.com/install-ubuntu.sh | s
```

HELP

```
$ heroku
```

```
Usage: heroku COMMAND [--app APP] [command-specific-options]
```

```
Primary help topics, type "heroku help TOPIC" for more details.
```

```
addons      # manage addon resources
apps        # manage apps (create, destroy)
auth        # authentication (login, logout)
config      # manage app config vars
domains     # manage custom domains
logs        # display logs for an app
ps          # manage dynos (dynos, workers)
releases    # manage app releases
run         # run one-off commands (console, rake)
sharing     # manage collaborators on an app
```

LOGIN

```
$ heroku login  
$ heroku keys:add
```

CREATE AN HEROKU APP

```
$ heroku create APP_NAME --addons heroku-postgresql --region
```

WHAT HAPPENED?

```
$ git remote -v
```

LET'S DEPLOY!

Push your code to Heroku

```
$ git push heroku master
```

Run a command on Heroku

```
$ heroku run rake db:migrate
```

DONE!

Some useful commands

```
$ heroku open          # open in your browser  
$ heroku logs --tail  # show the app logs and keep listening  
$ heroku run rails c   # Run the production console
```

GIT PUSH

When you run `git push heroku master`, Heroku does the following things

```
$ bundle install --without development:test ...  
$ rake assets:precompile  
$ foreman start
```

Don't type these commands. It's just to show you what happens on Heroku's side.

HAPPY HACKING!