Step 1: Set Up Your Project Directory and Files

1. Create a New Folder

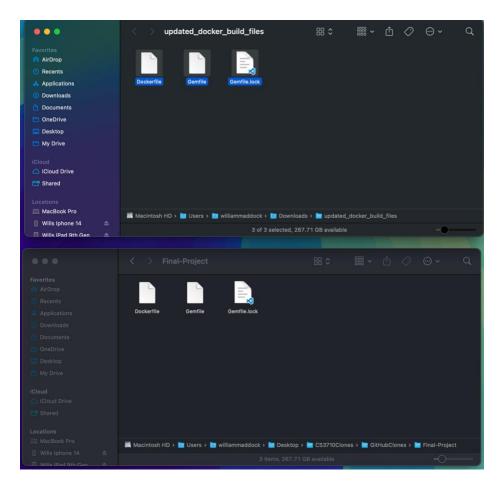
Create a new folder and name it something meaningful (e.g., Final-Project).

2. Download Updated Docker Build Files

If you haven't already downloaded the updated Docker build files, you can do so here.

3. Place Docker Files in Directory

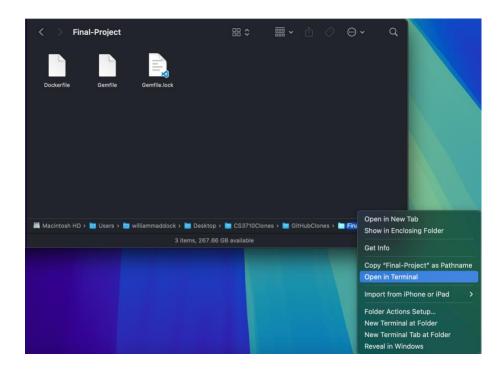
After downloading, move the Updated Docker files into your project directory (e.g., /Users/williammaddock/Desktop/CS3710Clones/GitHubClones/Final-Project).



Step 2: Build and Run Your Docker Image

1. Navigate to Project Directory

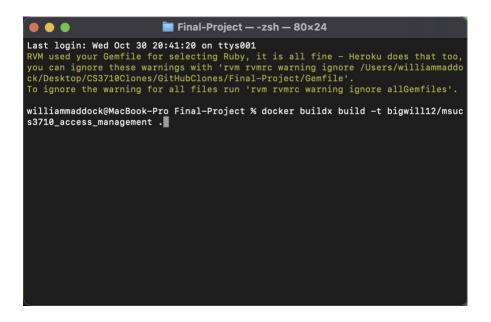
Open your terminal and navigate to your project directory: cd /Users/williammaddock/Desktop/CS3710Clones/GitHubClones/Final-Project



2. Build Docker Image

Run the following command to build your Docker image, replacing your_github_login and name your app here with your GitHub username and app name:

docker buildx build -t bigwill12/msucs3710_name_it_whatever .



2. Run Docker Container

Start the Docker container:

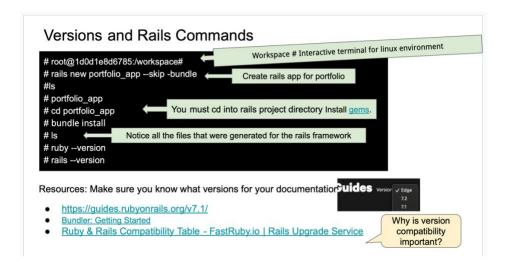
docker run -it -p 3000:3000 -v "\$(pwd):/workspace" bigwill12/msucs3710_name_it_whatever

Step 3: Customize App Name in Rails Setup

1. Update App Name in Rails Command

Following M03 L05 Team Roles and Rails Project (Slide 22), change portfolio_app to your chosen app name.

Presentation Link



2. Run Rails Commands

Use these commands in the terminal:

```
rails new access_management_app --skip -bundle (name it what ever you like)

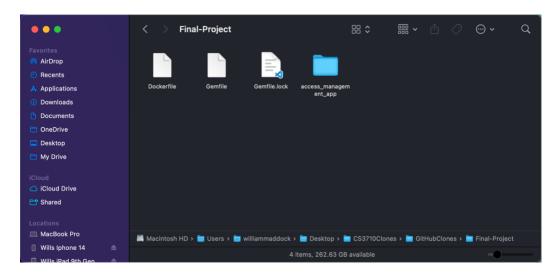
cd access management app
```

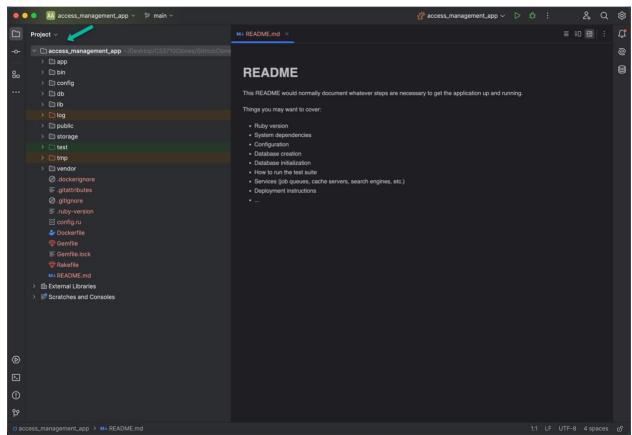
bundle install

And now you have a folder in your Final Projects directory.

```
What's next:
    View a summary of image vulnerabilities and recommendations → docker scout q
[williammaddock@MacBook-Pro Final-Project % docker run -it -p 3000:3000 -v $(pwd)
:/workspace bigwill12/msucs3710_rails7
root@f5235246cabd:/workspace# rails new access_management_app --skip -bundle
      create
      create README.md
      create Rakefile
      create .ruby-version
      create config.ru
      create .gitignore
create .gitattributes
create Gemfile
         run git init -b main from "."
Initialized empty Git repository in /workspace/access_management_app/.git/
      create app
create app/assets/config/manifest.js
create app/assets/stylesheets/application.css
      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
```

```
● ● Final-Project — docker run -it -p 3000:3000 -v ~/Desktop/CS3710Clones...
      apply /usr/local/bundle/gems/stimulus-rails-1.3.4/lib/install/stimulus_w
ith_importmap.rb
  Create controllers directory
               app/javascript/controllers
     create
               app/javascript/controllers/index.js
      create
               app/javascript/controllers/application.js
      create
      create
               app/javascript/controllers/hello_controller.js
  Import Stimulus controllers
      append app/javascript/application.js
  Pin Stimulus
  Appending: pin "@hotwired/stimulus", to: "stimulus.min.js"
     append
               config/importmap.rb
  Appending: pin "@hotwired/stimulus-loading", to: "stimulus-loading.js"
     append
               config/importmap.rb
  Pin all controllers
  Appending: pin_all_from "app/javascript/controllers", under: "controllers"
      append
              config/importmap.rb
        run bundle install
    `bundle info [gemname]` to see where a bundled gem is installed.
root@f5235246cabd:/workspace# ls
Dockerfile Gemfile.lock access_management_app
root@f5235246cabd:/workspace# cd access_management_app
root@f5235246cabd:/workspace/access_management_app#
```





Step 4: Start Rails Server

1. Install Gems and Start Rails Server

bundle install

rails server -b 0.0.0.0

```
🧿 😑 🥝 📄 Final-Project — docker run -it -p 3000:3000 -v ~/Desktop/CS3710Clones...
  Pin all controllers
  Appending: pin_all_from "app/javascript/controllers", under: "controllers"
               config/importmap.rb
      append
         run bundle install
Bundle complete! 14 Gemfile dependencies, 84 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
[root@f5235246cabd:/workspace# ls
Dockerfile Gemfile.lock access_management_app
[root@f5235246cabd:/workspace# cd access_management_app
root@f5235246cabd:/workspace/access_management_app# bundle install
Bundle complete! 14 Gemfile dependencies, 84 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
[root@f5235246cabd:/workspace/access_management_app# rails server -b 0.0.0.0
=> Booting Puma
=> Rails 7.1.5 application starting in development
=> Run `bin/rails server --help` for more startup options
Puma starting in single mode...
* Puma version: 6.4.3 (ruby 3.2.5-p208) ("The Eagle of Durango")
  Min threads: 5
  Max threads: 5
   Environment: development
           PID: 349
* Listening on http://0.0.0.0:3000
Use Ctrl-C to stop
```

Start Server

Start the server. Command must be run from rails portfolio_app directory. When you want to stop the server type ctrl + c to stop server



Docker go to where the host is mapped to port 3000 http://localhost:3000/



Step 5-8: Finalizing Project Setup

Create Github Repository

Add remote github repository.

Use the following settings to be able to connect the porfolio_app code base you created in the container.

- Public
- No README file
- No .gitignore

Create and read the ...or create a new repository on the command line. Go to next slide to complete connecting your portfolio_app to this remote repository.



Step 6(optional and not sure if you need this):

Gitignore

When you show your files in the finder you will see the following. If you do not see the .git information you can reveal hidden files.

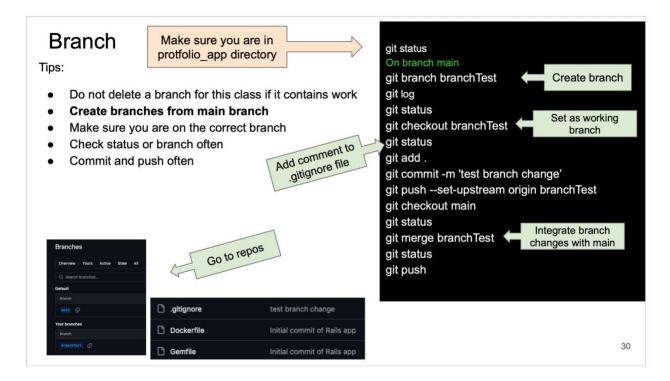
- Mac: To reveal hidden files in Finder, go to Go > Computer > Macintosh HD and press Shift + Command + . (period).
- Windows: View hidden files and folders in Windows Microsoft Support

Put this .gitignore file in portfolio app directory.

here is the link https://drive.google.com/file/d/1ieOnXT7UqKIprcBOU fiKeC7Q22i0zfG/view

Step 7:

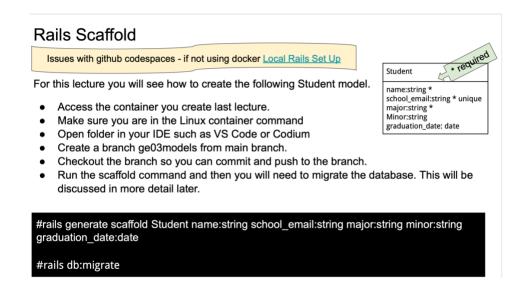
https://docs.google.com/presentation/d/1AzXk4v6y0Sy4xz-uAHHStU3RPbhBOaY3si5AF5Xlz E/edit#slide=id.g2855ae74598 0 669



Step 8:

Continue to M03 L05 Team Roles and Rails Project Slide 18:

https://docs.google.com/presentation/d/1b_GX_Hojo61oTCsl0kkHXqu0tQYpE8QGSAuN9-QJ_EA/edit#slide=id.g2f1a7c4d69f_1_769



Only use your new Scaffolding based on your UML for your final project.

This concludes the foundation before the scaffolding and has created a GitHub repository main branch for your final project.

Good Luck Everyone and hope this pdf helps!