

BACK END WEB DEVELOPMENT

CLASS 17 - IMAGE UPLOADING & PROJECT LAB

AGENDA

- REVIEW SYLLABUS
- **IMAGE UPLOADING WITH REFILE**
- PROJECT LAB TIME

IMAGE UPLOAD 101

REFILE GEM

<https://github.com/elabs/refile>

INSTALLATION

STEP 1 - INSTALL IMAGEMAGICK

```
brew install imagemagick # OS X  
sudo apt-get install imagemagick # Ubuntu
```

INSTALLATION

STEP 2 - CREATE A QUICK RAILS APP

```
rails new the_image_app  
  
rails generate controller static_pages home  
  
rails generate controller artists index new show edit
```

routes.rb : Set your root_path | Add resources for people

INSTALLATION

STEP 3 - UPDATE YOUR GEM FILE

```
rails new the_image_app

#Add keys gems to your Gemfile

gem "mini_magick"
gem "refile", require: ["refile/rails", "refile/image_processing"]
```

Don't forget to bundle

SETUP

STEP 4A - CREATE MODEL & INTEGRATE REFILE

```
rails g model artist name:string description:text image_id:string  
#yes the image_id is of type string for this gem  
  
rake db:migrate  
  
#add attachment with name of image within model
```

SETUP

STEP 4B - CREATE MODEL & INTEGRATE REFILE

```
1 # == Schema Information
2 #
3 # Table name: artists
4 #
5 #   id          :integer          not null, primary key
6 #   name        :string
7 #   description :text
8 #   image_id    :string
9 #   created_at  :datetime         not null
10 #   updated_at  :datetime         not null
11 #
12
13 class Artist < ActiveRecord::Base
14   attachment :image
15 end
16
```


SETUP

STEP 5B - CREATE CONTROLLER

```
rails g controller artists index show new edit
```

```
#define artist_params and include :image as a permitted attribute
```

STEP 5B - CREATE CONTROLLER

```
class ArtistsController < ApplicationController
  def index
    @artists = Artist.all
  end

  def new
    @artist = Artist.new
  end

  def create
    @artist = Artist.new(artist_params)
    if @artist.save
      redirect_to artist_path(@artist)
    else
      render :new
    end
  end

  def show
    @artist = set_artist
  end

  def edit
  end

  private

  def artist_params
    params.require(:artist).permit(:name, :description, :image)
  end

  def set_artist
    @artist = Artist.find(params[:id])
  end
end
```

SETUP

STEP 6 - CREATE VIEWS

STEP 6A - CREATE FORM PARTIAL

```
1 <%= form_for(@artist) do |f| %>
2
3 <%= f.label :name %>
4 <%= f.text_field :name%>
5 <br/>
6
7 <%= f.label :description %>
8 <br/>
9 <%= f.text_area :description%>
10 <br/>
11 <%= f.attachment_field :image %>
12
13 <%= f.submit%>
14 <% end %>
15
16
17
18
```

STEP 6B - CREATE SHOW PAGE

```
1 <h1><%= @artist.name %> </h1>
2 <p><%= image_tag attachment_url(@artist, :image, :fill, 300, 300) %>
3 </p>
4
```