**M06 Technical Documentation**

**L18: Model and Database Relationship**

Adding Student Authentication Using Devise

Issues running interactive terminal?

docker exec -it festive\_leavitt bash

1)Delete data from database

* rails db:truncate\_all

2) To remove student\_email and use devise email

* rails generate migration RemoveStudentsSchoolEmail

3)Add change, migrate

* remove\_column :students, :school\_email, :string

4)Where can I view remove school\_email from?

* app/views/students/\_form.html.erb
* app/views/students/\_student.html.erb

5) Controller-remove from student\_params

* # Only allow a list of trusted parameters through.

   def student\_params

     params.require(:student).permit(:first\_name, :last\_name, :major, :expected\_graduation\_date, :profile\_picture)

   end

6) Once done commit and push (verify by running server and test that it is removed)

Install Devise for Student Model

1. Add Devise to gem file

* gem "devise"
* bundle install

1. Run Generator

* rails generate devise:install

1. In config/environments/development.rb:

* config.action\_mailer.default\_url\_options = { host: 'localhost', port: 3000 }

1. Flash messages in app/views/layouts/application.html.erb.

* For example:

<p class="notice"><%= notice %></p>

<p class="alert"><%= alert %></p>

1. Need to set up URL default options for Devise mailer

* Configuration for config/environments/development.rb:
  + config.action\_mailer.default\_url\_options = { host: 'localhost', port: 3000 }

1. Ready to add Devise to any models

* rails generate devise Student

1. Run server

* rails server -b 0.0.0.0

Configurations

1. Setting up email MSU email verification

* validate :email\_format

def email\_format

unless email =~ /\A[\w+\-.]+@msudenver\.edu\z/i

errors.add(:email, "must be an @msudenver.edu email address")

end

end

1. Implementation scoped view for students to be able to customize student views

* rails generate devise:views students

Configuring Controllers and routes

1. Custom controller

* rails generate devise:controllers students

1. Update the config/routes.rb to find student/registrations form

* Rails.application.routes.draw do

 devise\_for :students, controllers: {

 registrations: 'students/registrations',

 sessions: 'students/sessions',

 passwords: 'students/passwords'

}

Adding more Functionality

1. Add to app/controllers/application\_controller.rb

* #override after\_sign\_in\_path\_for method that is called by Devise

   def after\_sign\_in\_path\_for(resource)

       # Redirect to the student's profile using devise method current\_student

       student\_path(current\_student) # Redirect to the logged-in student's profile

 end

Add links to access views

1. Add to app/views/layouts/application.html.erb

* <% if student\_signed\_in? %>

  <%= button\_to "Sign Out", destroy\_student\_session\_path, method: :destroy %>

<% else %>

  <%= link\_to 'Sign In', new\_student\_session\_path %>

  <%= link\_to 'Sign Up', new\_student\_registration\_path %>

<% end %>

**L19: New Build Portfolio App Review and Systems Test**

Need to do a new docker build

[Docker Commands](https://docs.google.com/document/d/1tLy0zMPc4JF9Yb8pcNgNWI_zy7-_V915EuOkQt33-EY/edit?tab=t.0)

1. Update docker build files to build new images
   1. <https://drive.google.com/drive/folders/1I2OlEtuWqUDswm3fBLtl2xvhi6cQTIzV?usp=drive_link>
2. Create a new folder for docker run new container
   1. docker run -it -p 3000:3000 -v **$(pwd)**:/workspace [dockerUserName]/[image name]
3. Download into workspace
   1. cd into portfolio\_app and remove .git folder
      1. rm -rf .git
   2. <https://drive.google.com/file/d/1Cu4B5xoXivWANEnULcAmMIXs6xNstwWL/view?usp=drive_link>
4. Create another interactive terminal
   1. docker exec -it<container\_id\_or\_name>bash
5. Within new workspace cd into portfolio\_app
   1. bundle install
   2. rails db:migrate