Documentation for user authentication by Luis paez

User authentication on Rudy on rails

Commands will be in yellow

Small notes:

- Set up development branch
- Stop server if it is running
- Delete data from the database.
- Make sure to know your docker container name or id
- Make sure you are in the docker container
- When you # it means you are in the docker container
- When you see % it means you are on your local computer

Step 1: Steps for Setting Up Devise with Student Model

1. Stop the server if running
2. Clear database data without dropping the schema:
   The command is rails db: turncate_all

Step 2: Remove the school_email field from the Student

1. Generate migration to remove school_email

```
rails generate migration RemoveStudentsSchoolEmail
```

- Then add the change, migrate and look at schema

```
remove_column :students, :school_email, :string
```

- Remove school_email references in app/models/student.rb

- Then once migration files have been updated you will run the server

Step 3: Install and configure Devise

- Add Device to Gemfile and install
  Commands to run
- Bundle add device
- Bundle install
- Run device installation generator
  Commands to run
- Rails generate device: install

It should display information like this

```
1. Ensure you have defined default url options in your environments files. Here
    is an example of default_url_options appropriate for a development environment
    in config/environments/development.rb:
      config.action_mailer.default_url_options = { host: 'localhost', port: 3000 }
    In production, :host should be set to the actual host of your application.
    * Required for all applications. *
  2. Ensure you have defined root_url to *something* in your config/routes.rb.
    For example:
      root to: "home#student"

    * Not required for API-only Applications *
  3. Ensure you have flash messages in app/views/layouts/application.html.erb.
    For example:
      <p class="notice"><%= notice %></p>
      <p class="alert"><%= alert %></p>
    * Not required for API-only Applications *
  4. You can copy Devise views (for customization) to your app by running:
      rails g devise:views
```

From research will be doing custom views for student model below

Step 4 set up device Configuration and generate a device for the student model

- Configure config/enviroments/development.rb for mailer URL
  This is the command
  config.action_mailer.default_url_options = { host: 'localhost', port: 3000 }
- Add device to a model (e.g,student),commands
  Rails generate device MODEL
  Rails generate device Student

- Now you can do a rails db:migrate

- You wanna add validation for MSU email in app/models/student.rb

```
  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
```

Step 5 Customize Device VIews for Students

- Generate Device views for students
  The command for this is
- Rails generate device: views students

Step 6: Permit additional parameters

- Update app/controllers/application_controller.rb
- To something like this

```
before_action :configure_permitted_parameters, if: :devise_controller?

  #protected methods in class
  protected

#override configure_permitted_parameters method to allow additional parameters
 #by default devise only allows email, password and password_confirmation
 def configure_permitted_parameters
```

```
    # parameters allowed during sign up
    devise_parameter_sanitizer.permit(:sign_up, keys: [:first_name, :last_name, :major,
:expected_graduation_date, :profile_picture])
    # parameters that can be updated
    devise_parameter_sanitizer.permit(:account_update, keys: [:first_name, :last_name,
:major, :expected_graduation_date,  :profile_picture])
  end

end
```

Step 7: Set Up Redirects and Auth LInks

- Add to app/controller/application_controller.rb the following methods redirects students profile page

  def after_sign_in_path_for(resource)
- Add to app/views/layouts/application.html.erb to test
- <% 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 %>
-