This is a challenge in three parts. In this challenge we will be building a simple [CRM](#).

When working on this challenge you should be actively researching Rails using the following resources:

- [api.rubyonrails.org](#)
- [http://guides.rubyonrails.org](#) (Specifically the sections on Active Record Queries, Routing, Partials, and Migrations.)
- Our Course Notes: [Rails Overview Notes](#) and [Git Overview Note](#)s

SETUP RAILS

- Generate a Customer model:
  - Full name
  - Phone number
  - Email Address
  - Notes (of type text, whereas all other above fields are strings)
- Migrate the customers table to the db.
- Add Active Admin to the project and configure it to be able to CRUD customers.
- Add an image to the Customer model using ActiveStorage and configure ActiveAdmin to allow you to upload this image
- Use the Admin CRUD to add at least 5 customers to your database. Ensure that some customers are missing email addresses.
- Add a few validations to the customer model. For example, you should likely be ensuring the presence of at least the full name.
- Add and commit the initial Rails project repo and push to an associated github repo.

PART 1 - PREPARE A PARTIAL FOR CUSTOMERS

- Create a partial for displaying customer info: app/views/customers/_customer.html.erb
- See the image at the end of this file for an example look/feel for this partial. You don't need to match the styling exactly. Feel free to use Bulma to handle the styling.
- Be sure your partial uses the image_tag helper to display the customer's image.
- You may wish to develop this partial as you implement the views in part 2.
- Git add/commit and push to your remote github repository.

PART 2 - A NEW CONTROLLER

- Generate (using "rails g") a new controller called *customers*.
- Create an index action/view for this controller.
  - This action should use the Customer model to find all customers.
  - The view should display all the customers found by the action.
  - Each customer should be displayed using the partial created in the previous section.
- Create a alphabetized action/view for this controller.
  - This action should use the Customer model to find all customers, ordered by name.
  - The view should display all the customers found by the action.
  - Each customer should be displayed using the partial created in the previous section.
- Create a missing_email action/view for this controller.
  - This action should use the Customer model to find all customers that are missing email addresses.
  - The view should loop through all the customers found by the action (again using the partial for display).
- Add three routes to your routes.rb file to make these new actions are accessible via URLs.
  - Your URL route for the finder index action should be '/'
  - Your URL route for the finder missing_email action should be '/customers/missing_email'
  - Your URL route for the alphabetized action should be '/customers/alphabetized'
  - You can either manually create these routes, or follow [these instructions to augment Rails RESTful resource routes](#).
  - The index view should link to the missing email view and alphabetized view, and vice versa.
- Styling: You can either use Bulma/Bootstrap or add CSS to the app/assets/stylesheets/customer.scss file such that your views look similar to the image below.

- Git add/commit and push to your remote github repository.

- **Submit to the challenge dropbox with your github repo URL in the submission comment.**

Example Styling for Customer Partial

crm