**Notes for working on Smarter Sorting Challenge**

My philosophy of development is to:

* Gather requirements from clients
* Develop something for them
* What I deliver to the client should do what I say it will do. It may or may not do what the client wants.
  + The phrase NO EGO fits here. After I deliver something the client we continue a conversation that will follow the product its entire life cycle.
  + People prefer to edit than to create
  + They might not know exactly what they want
  + They might not know what is possible
  + Miscommunications do happen!

The goal is a to get usable product into use! And to remember we are all in this together and have the same goal – a successful company!

**Notes:**

* Load up docker environment: docker-compose -f dcd.yml up :
* Work in docker environment: docker exec -ti 28512e74d12e bash

**What I did:**

Add to Gemfile

* gem 'activerecord'
* gem 'sinatra-activerecord'
* gem 'sqlite3'
* gem 'rake'

bundle install

Add to app.rb

* require 'sinatra/activerecord'
* set :database, "sqlite3:library.sqlite3"

Create a Rakefile

* require 'sinatra/activerecord’
* require 'sinatra/activerecord/rake'
* require './app'

rake db:create\_migration NAME=create\_book\_table

rake db:create\_migration NAME=create\_wrote\_table

rake db:create\_migration NAME=create\_author\_table

rake db:create\_migration NAME=create\_section\_table

rake db:create\_migration NAME=create\_booksview\_view

rake db:create\_migration NAME=create\_bookandauthorview\_view

update migrations under db\migrate

create models.rb

put in app.rb: require './models'

rake db:migrate

update seed data

rake db:seed

mkdir spec/models

update specs under spec/models

|  |  |
| --- | --- |
| **RESTful Endpoint** | **Functionality** |
| GET /books | List all books with details |
| GET /books/:id | List details of a book including author(s) and section |
|  |  |
| GET /Authors | List the authors tables |
| GET /Authors/:id | List of books wrote by author |
|  |  |
| GET /sections | List all sections |
| GET /Sections/:id | List of books in section |

Add endpoints to app.rb

Update spec/app\_spec.rb

Issues:

* Of course, for a fully usable product, RESTful Endpoints for POST, PUT and DELETE are necessary.
* Authors can contain duplicates. I am not sure if an author is a unique first and last name or some other characteristic. Would want to explore that with client.
* Error trapping needs to be flushed out before production!
* Rspec is assuming the data from the seed.