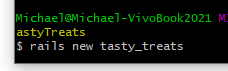
Tasty Treats

Solution Guide

**Step 1: Create a new Rails project called recipe\_app.**

To create a new Rails project, run the following command in your terminal:

rails new recipe\_app



**Step 2: Generate a Recipe model with the following attributes:**

To generate a Recipe model with the specified attributes, run the following command inside the project folder:

rails generate model Recipe title:string instructions:text



**Step 3: Scaffold a controller and views for the Recipe model.**

To scaffold a controller and views for the Recipe model, run the following command:

rails generate scaffold\_controller Recipe



**Step 4: Change the root route to go to the recipes#index action.**

To change the root route to go to the recipes#index action, update the config/routes.rb file as follows:

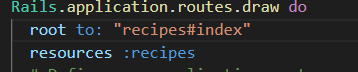
ruby

Rails.application.routes.draw do

root to: 'recipes#index'

resources :recipes

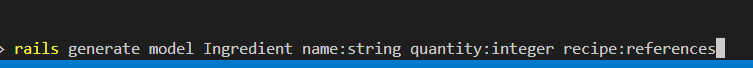
end



**Step 5: Generate an Ingredient model with the following attributes:**

To generate an Ingredient model with the specified attributes, run the following command:

rails generate model Ingredient name:string quantity:integer recipe:references



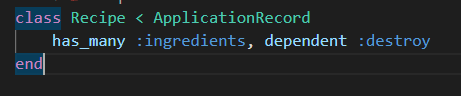
**Step 6: Add a has\_many relationship between Recipe and Ingredient.**

To add a has\_many relationship between Recipe and Ingredient, update the app/models/recipe.rb file as follows:

class Recipe < ApplicationRecord

has\_many :ingredients, dependent: :destroy

end

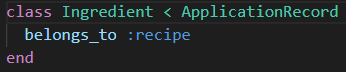


and update the app/models/ingredient.rb file as follows:

class Ingredient < ApplicationRecord

belongs\_to :recipe

end



**Step 7: Scaffold a controller and views for the Ingredient model.**

To scaffold a controller and views for the Ingredient model, run the following command:

rails generate scaffold\_controller Ingredient



**Step 8: Update the Recipe show view to display a list of ingredients for that recipe.**

To update the Recipe show view to display a list of ingredients for that recipe, update the app/views/recipes/show.html.erb file as follows:

<h1><%= @recipe.title %></h1>

<p><%= @recipe.instructions %></p>

<h2>Ingredients:</h2>

<ul>

<% @recipe.ingredients.each do |ingredient| %>

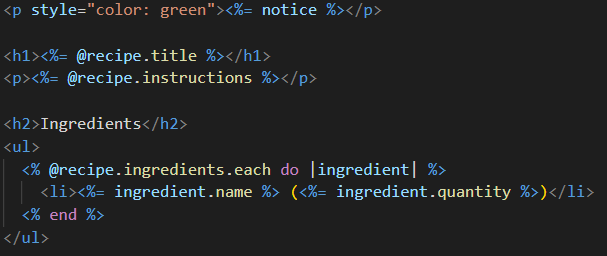
<li><%= ingredient.name %> (<%= ingredient.quantity %>)</li>

<% end %>

</ul>

<%= link\_to 'Edit', edit\_recipe\_path(@recipe) %> |

<%= link\_to 'Back', recipes\_path %>



### Step 9: Update the Recipe form to allow users to add ingredients to the recipe when creating or editing it.

To update the Recipe form to allow users to add ingredients to the recipe when creating or editing it, update the app/views/recipes/\_form.html.erb file as follows:

erb

<%= form\_with(model: recipe, local: true) do |form| %>

<% if recipe.errors.any? %>

<div id="error\_explanation">

<h2><%= pluralize(recipe.errors.count, "error") %> prohibited this recipe from being saved:</h2>

<ul>

<% recipe.errors.full\_messages.each do |message| %>

<li><%= message %></li>

<% end %>

</ul>

</div>

<% end %>

<div class="field">

<%= form.label :title %>

<%= form.text\_field :title, id: :recipe\_title %>

</div>

<div class="field">

<%= form.label :instructions %>

<%= form.text\_area :instructions, id: :recipe\_instructions %>

</div>

<%= form.fields\_for :ingredients do |ingredient\_fields| %>

<div class="field">

<%= ingredient\_fields.label :name %>

<%= ingredient\_fields.text\_field :name %>

</div>

<div class="field">

<%= ingredient\_fields.label :quantity %>

<%= ingredient\_fields.number\_field :quantity %>

</div>

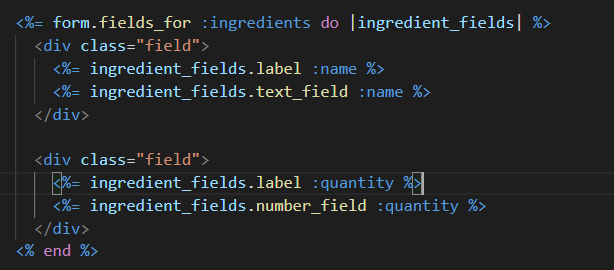
<% end %>

<div class="actions">

<%= form.submit %>

</div>

<% end %>



Then, update the app/models/recipe.rb file to add the following code:

class Recipe < ApplicationRecord

has\_many :ingredients, inverse\_of: :recipe

accepts\_nested\_attributes\_for :ingredients, allow\_destroy: true, reject\_if: :all\_blank

end

Finally, update the app/controllers/recipes\_controller.rb file to permit the ingredients\_attributes parameter when creating and updating recipes:

private

def set\_recipe

@recipe = Recipe.find(params[:id])

end

def recipe\_params

params.require(:recipe).permit(:title, :instructions, ingredients\_attributes: [:id, :name, :quantity, :\_destroy])

end