

Differences from `rails init` and current state.

Note I intend to send a pull request to the git hub page.

Car Index generated by the scaffold:

```
diff --git a/CarShop/app/views/cars/index.html.erb
b/CarShop/app/views/cars/index.html.erb
deleted file mode 100644
index 0507232..0000000
```

```
--- a/CarShop/app/views/cars/index.html.erb
```

```
+++ /dev/null
```

```
@@ -1,37 +0,0 @@
```

```
-<p id="notice"><%= notice %></p>
```

```
-
```

```
-<h1>Cars</h1>
```

```
-
```

```
-<table>
```

```
-  <thead>
```

```
-    <tr>
```

```
-      <th>Make</th>
```

```
-      <th>Model</th>
```

```
-      <th>Vin</th>
```

```
-      <th>Part</th>
```

```
-      <th colspan="3"></th>
```

```
-    </tr>
```

```
-  </thead>
```

```
-
```

```
-  <tbody>
```

```
-    <% @cars.each do |car| %>
```

```
-      <tr>
```

```
-        <td><%= car.make.name %></td>
```

```
-        <td><%= car.model %></td>
```

```
-        <td><%= car.vin %></td>
```

```
-        <% l = car.parts.map {|p| p.name} %>
```

Display the car parts as a list of names

```
-        <td><%= l.join(", ") %></td>
```

```
-        <td><%= link_to 'Show', car %></td>
```

```
-        <td><%= link_to 'Edit', edit_car_path(car) %></td>
```

```
-        <td><%= link_to 'Destroy', car, method: :delete, data: { confirm: 'Are you sure?' } %></td>
```

```
-      </tr>
```

```
-    <% end %>
```

```
-  </tbody>
```

```

-</table>
-
-<br>
-
-<%= link_to 'New Car', new_car_path %>
-<br><br>
-<%= link_to 'Makes', makes_path %>
-<%= link_to 'Parts', parts_path %>

```

Links to the other index pages

Auto Generated controllers built by scaffold. See internal **highlighted** comments:

```

diff --git a/CarShop/app/controllers/cars_controller.rb
b/CarShop/app/controllers/cars_controller.rb
deleted file mode 100644
index 26ca18a..0000000
--- a/CarShop/app/controllers/cars_controller.rb
+++ /dev/null
@@ -1,78 +0,0 @@
-class CarsController < ApplicationController
-  before_action :set_car, only: [:show, :edit, :update, :destroy]
-
-  # GET /cars
-  # GET /cars.json
-  def index
-    @cars = Car.all
-  end
-
-  # GET /cars/1
-  # GET /cars/1.json
-  def show
-  end
-
-  # GET /cars/new
-  def new
-    @car = Car.new
-    @parts = Part.all.
-    @makes = Make.all - new_cars_path
-
-  # GET /cars/1/edit
-  def edit
-    @parts = Part.all
-    @makes = Make.all
-  end
-

```

Both lines make the parts/makes visible to the link

- new_cars_path

See above comment

```

- # POST /cars
- # POST /cars.json
- def create
-   @car = Car.new(car_params)
-
-   respond_to do |format|
-     if @car.save
-       format.html { redirect_to @car, notice: 'Car was successfully created.' }
-       format.json { render :show, status: :created, location: @car }
-     else
-       format.html { render :new }
-       format.json { render json: @car.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # PATCH/PUT /cars/1
- # PATCH/PUT /cars/1.json
- def update
-   respond_to do |format|
-     if @car.update(car_params)
-       format.html { redirect_to @car, notice: 'Car was successfully updated.' }
-       format.json { render :show, status: :ok, location: @car }
-     else
-       format.html { render :edit }
-       format.json { render json: @car.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # DELETE /cars/1
- # DELETE /cars/1.json
- def destroy
-   @car.destroy
-   respond_to do |format|
-     format.html { redirect_to cars_url, notice: 'Car was successfully destroyed.' }
-     format.json { head :no_content }
-   end
- end
-
- private
- # Use callbacks to share common setup or constraints between actions.
- def set_car
-   @car = Car.find(params[:id])

```

```

- end
-
- # Never trust parameters from the scary internet, only allow the white list through.
- def car_params
-   params.require(:car).permit(:make_id, :model, :vin, :part_ids => [])
- end
-end

```

Partial form used to modify/create cars. See highlighted comments

```

diff --git a/CarShop/app/views/cars/_form.html.erb
b/CarShop/app/views/cars/_form.html.erb
deleted file mode 100644
index d538258..0000000
--- a/CarShop/app/views/cars/_form.html.erb
+++ /dev/null
@@ -1,37 +0,0 @@
-<%= form_with(model: car, local: true) do |form| %>
-  <% if car.errors.any? %>
-    <div id="error_explanation">
-      <h2><%= pluralize(car.errors.count, "error") %> prohibited this car from being
saved:</h2>
-
-    <ul>
-      <% car.errors.full_messages.each do |message| %>
-        <li><%= message %></li>
-      <% end %>
-    </ul>
-  </div>
-  <% end %>
-
-  <div class="field">
-    <%= form.label :make_id %>
-    <%= form.collection_select :make_id, @makes, :id, :name %>
    Uses a drop down menu for the selection of makes
-  </div>
-
-  <div class="field">
-    <%= form.label :model %>
-    <%= form.text_field :model %>
-  </div>
-
-  <div class="field">
-    <%= form.label :vin %>

```

```

- <%= form.number_field :vin %>
- </div>
-
- <div class="field">
- <%= form.label :part_id %>
- <%= form.collection_check_boxes :part_ids, @parts, :id, :name %>
  Enable checkboxes for the selection of multiple parts
- </div>
-
- <div class="actions">
- <%= form.submit %>
- </div>

-<% end %>

```

Scaffold generated show.

```

diff --git a/CarShop/app/views/cars/show.html.erb
b/CarShop/app/views/cars/show.html.erb
deleted file mode 100644
index 590b051..0000000
--- a/CarShop/app/views/cars/show.html.erb
+++ /dev/null
@@ -1,28 +0,0 @@
-<p id="notice"><%= notice %></p>
-
-<p>
- <strong>Make:</strong>
- <%= @car.make.name %>
-</p>
-
-<p>
- <strong>Model:</strong>
- <%= @car.model %>
-</p>
-
-<p>
- <strong>Vin:</strong>
- <%= @car.vin %>
-</p>
-
-<p>
- <strong>Part:</strong>
- <ul>

```

```
- <% @car.parts.each do |part| %>
- <li><%= part.name %></li>
- <% end %>
- </ul>
- </p>
```

Display the car parts as an unordered list

```
-
- <%= link_to 'Edit', edit_car_path(@car) %> |
- <%= link_to 'Back', cars_path %>
```

Scaffold generated Make index page.

```
diff --git a/CarShop/app/views/makes/index.html.erb
b/CarShop/app/views/makes/index.html.erb
deleted file mode 100644
index d32c90f..0000000
--- a/CarShop/app/views/makes/index.html.erb
+++ /dev/null
@@ -1,32 +0,0 @@
- <p id="notice"><%= notice %></p>
-
- <h1>Makes</h1>
-
- <table>
- <thead>
- <tr>
- <th>Name</th>
- <th>Country</th>
- <th colspan="3"></th>
- </tr>
- </thead>
-
- <tbody>
- <% @makes.each do |make| %>
- <tr>
- <td><%= make.name %></td>
- <td><%= make.country %></td>
- <td><%= link_to 'Show', make %></td>
- <td><%= link_to 'Edit', edit_make_path(make) %></td>
- <td><%= link_to 'Destroy', make, method: :delete, data: { confirm: 'Are you sure?' }
%></td>
- </tr>
- <% end %>
- </tbody>
- </table>
```

```

-
-<br>
-
-<%= link_to 'New Make', new_make_path %>
-<br><br>
-<%= link_to 'Cars', cars_path %>
-<%= link_to 'Parts', parts_path %>

```

Added .travis.yml to enable CI. Note that the update to bundler and the call to 'cd' are necessary do to the construction of the directory hierarchy.

```

diff --git a/.travis.yml b/.travis.yml
deleted file mode 100644
index e58a505..0000000
--- a/.travis.yml
+++ /dev/null
@@ -1,9 +0,0 @@
-language: ruby
-rvm:
- - 2.5.3
-before_install:
- - cd CarShop
- - gem install bundler -v 2.0.2
-script:
- - bundle exec rails test
-

```

Makes controller. No changes made beyond scaffold.

```

diff --git a/CarShop/app/controllers/makes_controller.rb
b/CarShop/app/controllers/makes_controller.rb
deleted file mode 100644
index 19460d9..0000000
--- a/CarShop/app/controllers/makes_controller.rb
+++ /dev/null
@@ -1,74 +0,0 @@
-class MakesController < ApplicationController
- before_action :set_make, only: [:show, :edit, :update, :destroy]
-
-
- # GET /makes
- # GET /makes.json
- def index
- @makes = Make.all
- end
-
-
- # GET /makes/1

```

```

- # GET /makes/1.json
- def show
- end
-
- # GET /makes/new
- def new
-   @make = Make.new
- end
-
- # GET /makes/1/edit
- def edit
- end
-
- # POST /makes
- # POST /makes.json
- def create
-   @make = Make.new(make_params)
-
-   respond_to do |format|
-     if @make.save
-       format.html { redirect_to @make, notice: 'Make was successfully created.' }
-       format.json { render :show, status: :created, location: @make }
-     else
-       format.html { render :new }
-       format.json { render json: @make.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # PATCH/PUT /makes/1
- # PATCH/PUT /makes/1.json
- def update
-   respond_to do |format|
-     if @make.update(make_params)
-       format.html { redirect_to @make, notice: 'Make was successfully updated.' }
-       format.json { render :show, status: :ok, location: @make }
-     else
-       format.html { render :edit }
-       format.json { render json: @make.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # DELETE /makes/1

```



```

- # DELETE /makes/1.json
- def destroy
-   @make.destroy
-   respond_to do |format|
-     format.html { redirect_to makes_url, notice: 'Make was successfully destroyed.' }
-     format.json { head :no_content }
-   end
- end
-
- private
- # Use callbacks to share common setup or constraints between actions.
- def set_make
-   @make = Make.find(params[:id])
- end
-
- # Never trust parameters from the scary internet, only allow the white list through.
- def make_params
-   params.require(:make).permit(:name, :country)
- end
-end

```

Parts Controller. No changes made beyond scaffold

```

diff --git a/CarShop/app/controllers/parts_controller.rb
b/CarShop/app/controllers/parts_controller.rb
deleted file mode 100644
index 2e52866..0000000
--- a/CarShop/app/controllers/parts_controller.rb
+++ /dev/null
@@ -1,74 +0,0 @@
-class PartsController < ApplicationController
-  before_action :set_part, only: [:show, :edit, :update, :destroy]
-
-  # GET /parts
-  # GET /parts.json
-  def index
-    @parts = Part.all
-  end
-
-  # GET /parts/1
-  # GET /parts/1.json
-  def show
-  end
-
-  # GET /parts/new

```

```

- def new
-   @part = Part.new
- end
-
- # GET /parts/1/edit
- def edit
- end
-
- # POST /parts
- # POST /parts.json
- def create
-   @part = Part.new(part_params)
-
-   respond_to do |format|
-     if @part.save
-       format.html { redirect_to @part, notice: 'Part was successfully created.' }
-       format.json { render :show, status: :created, location: @part }
-     else
-       format.html { render :new }
-       format.json { render json: @part.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # PATCH/PUT /parts/1
- # PATCH/PUT /parts/1.json
- def update
-   respond_to do |format|
-     if @part.update(part_params)
-       format.html { redirect_to @part, notice: 'Part was successfully updated.' }
-       format.json { render :show, status: :ok, location: @part }
-     else
-       format.html { render :edit }
-       format.json { render json: @part.errors, status: :unprocessable_entity }
-     end
-   end
- end
-
- # DELETE /parts/1
- # DELETE /parts/1.json
- def destroy
-   @part.destroy
-   respond_to do |format|
-     format.html { redirect_to parts_url, notice: 'Part was successfully destroyed.' }

```

```

-   format.json { head :no_content }
-   end
-   end
-
-   private
-   # Use callbacks to share common setup or constraints between actions.
-   def set_part
-     @part = Part.find(params[:id])
-   end
-
-   # Never trust parameters from the scary internet, only allow the white list through.
-   def part_params
-     params.require(:part).permit(:name)
-   end
-   end
-end

```

Car Model file with db setup. A car has a many to one relationship with a make and a many to many relationship with parts

```

diff --git a/CarShop/app/models/car.rb b/CarShop/app/models/car.rb
deleted file mode 100644
index b636ddc..0000000
--- a/CarShop/app/models/car.rb
+++ /dev/null
@@ -1,4 +0,0 @@
-class Car < ApplicationRecord
-  belongs_to :make
-  has_and_belongs_to_many :parts
-end

```

Join table creation.

```

diff --git a/CarShop/app/models/cars_parts.rb b/CarShop/app/models/cars_parts.rb
deleted file mode 100644
index 17667ab..0000000
--- a/CarShop/app/models/cars_parts.rb
+++ /dev/null
@@ -1,4 +0,0 @@
-class CarsParts < ApplicationRecord
-  belongs_to :car
-  belongs_to :part
-end

```

Make Model. Has a many to many relationship with cars.

```

diff --git a/CarShop/app/models/make.rb b/CarShop/app/models/make.rb

```

```

deleted file mode 100644
index b5d9750..0000000
--- a/CarShop/app/models/make.rb
+++ /dev/null
@@ -1,3 +0,0 @@
-class Make < ApplicationRecord
-  has_many :cars
-end

```

Part model. Has a many to many relationship with cars.

```

diff --git a/CarShop/app/models/part.rb b/CarShop/app/models/part.rb
deleted file mode 100644
index 72dc3f4..0000000
--- a/CarShop/app/models/part.rb
+++ /dev/null
@@ -1,3 +0,0 @@
-class Part < ApplicationRecord
-  has_and_belongs_to_many :cars
-end

```

Scaffold generated form for input regarding the make.

```

diff --git a/CarShop/app/views/makes/_form.html.erb
b/CarShop/app/views/makes/_form.html.erb
deleted file mode 100644
index de13d04..0000000
--- a/CarShop/app/views/makes/_form.html.erb
+++ /dev/null
@@ -1,27 +0,0 @@
-<%= form_with(model: make, local: true) do |form| %>
-  <% if make.errors.any? %>
-    <div id="error_explanation">
-      <h2><%= pluralize(make.errors.count, "error") %> prohibited this make from being
saved:</h2>
-
-      <ul>
-        <% make.errors.full_messages.each do |message| %>
-          <li><%= message %></li>
-        <% end %>
-      </ul>
-    </div>
-  <% end %>
-
-  <div class="field">
-    <%= form.label :name %>

```

```

- <%= form.text_field :name %>
- </div>
-
- <div class="field">
-   <%= form.label :country %>
-   <%= form.text_field :country %>
- </div>
-
- <div class="actions">
-   <%= form.submit %>
- </div>
-<% end %>

```

Less Interesting:

Both A, B, and C represent updates to the ruby version.

A:

```

diff --git a/CarShop/.ruby-version b/CarShop/.ruby-version
index aedc15b..fb92407 100644
--- a/CarShop/.ruby-version
+++ b/CarShop/.ruby-version
@@ -1,1 @@
-2.5.3
+ruby-2.3.7
\ No newline at end of file

```

B:

```

diff --git a/CarShop/Gemfile b/CarShop/Gemfile
index 19ae71f..db6877b 100644
--- a/CarShop/Gemfile
+++ b/CarShop/Gemfile
@@ -1,7 +1,7 @@
source 'https://rubygems.org'
git_source(:github) { |repo| "https://github.com/#{repo}.git" }

-ruby '2.5.3'
+ruby '2.3.7'

# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.2.3'

```

C:

```
diff --git a/CarShop/Gemfile.lock b/CarShop/Gemfile.lock
index 5c98fb1..4ad9c4e 100644
--- a/CarShop/Gemfile.lock
+++ b/CarShop/Gemfile.lock
@@ -212,7 +212,7 @@ DEPENDENCIES
  web-console (>= 3.3.0)
```

```
RUBY VERSION
- ruby 2.5.3p105
+ ruby 2.3.7p456
```

```
BUNDLED WITH
- 2.0.2
+ 1.17.3
```

Coffee Files generated by a scaffold creation.

```
diff --git a/CarShop/app/assets/javascripts/cars.coffee
b/CarShop/app/assets/javascripts/cars.coffee
deleted file mode 100644
index 24f83d1..0000000
--- a/CarShop/app/assets/javascripts/cars.coffee
+++ /dev/null
@@ -1,3 +0,0 @@
-# Place all the behaviors and hooks related to the matching controller here.
-# All this logic will automatically be available in application.js.
-# You can use CoffeeScript in this file: http://coffeescript.org/
```

```
diff --git a/CarShop/app/assets/javascripts/makes.coffee
b/CarShop/app/assets/javascripts/makes.coffee
deleted file mode 100644
index 24f83d1..0000000
--- a/CarShop/app/assets/javascripts/makes.coffee
+++ /dev/null
@@ -1,3 +0,0 @@
-# Place all the behaviors and hooks related to the matching controller here.
-# All this logic will automatically be available in application.js.
-# You can use CoffeeScript in this file: http://coffeescript.org/
```

```
diff --git a/CarShop/app/assets/javascripts/parts.coffee
b/CarShop/app/assets/javascripts/parts.coffee
deleted file mode 100644
index 24f83d1..0000000
--- a/CarShop/app/assets/javascripts/parts.coffee
```

```
+++ /dev/null
@@ -1,3 +0,0 @@
-# Place all the behaviors and hooks related to the matching controller here.
-# All this logic will automatically be available in application.js.
-# You can use CoffeeScript in this file: http://coffeescript.org/
```

Sassy CSS files generated by the scaffold command:

```
diff --git a/CarShop/app/assets/stylesheets/cars.scss
b/CarShop/app/assets/stylesheets/cars.scss
deleted file mode 100644
index 76d7612..0000000
--- a/CarShop/app/assets/stylesheets/cars.scss
+++ /dev/null
@@ -1,3 +0,0 @@
-// Place all the styles related to the Cars controller here.
-// They will automatically be included in application.css.
-// You can use Sass (SCSS) here: http://sass-lang.com/
```

```
diff --git a/CarShop/app/assets/stylesheets/makes.scss
b/CarShop/app/assets/stylesheets/makes.scss
deleted file mode 100644
index cd0c81a..0000000
--- a/CarShop/app/assets/stylesheets/makes.scss
+++ /dev/null
@@ -1,3 +0,0 @@
-// Place all the styles related to the Makes controller here.
-// They will automatically be included in application.css.
-// You can use Sass (SCSS) here: http://sass-lang.com/
```

```
diff --git a/CarShop/app/assets/stylesheets/parts.scss
b/CarShop/app/assets/stylesheets/parts.scss
deleted file mode 100644
index 42a59a5..0000000
--- a/CarShop/app/assets/stylesheets/parts.scss
+++ /dev/null
@@ -1,3 +0,0 @@
-// Place all the styles related to the Parts controller here.
-// They will automatically be included in application.css.
-// You can use Sass (SCSS) here: http://sass-lang.com/
```

Template root for all generated scaffolds:

```
diff --git a/CarShop/app/assets/stylesheets/scaffolds.scss
b/CarShop/app/assets/stylesheets/scaffolds.scss
deleted file mode 100644
index 6045188..0000000
--- a/CarShop/app/assets/stylesheets/scaffolds.scss
+++ /dev/null
@@ -1,84 +0,0 @@
-body {
- background-color: #fff;
- color: #333;
- margin: 33px;
- font-family: verdana, arial, helvetica, sans-serif;
- font-size: 13px;
- line-height: 18px;
-}
-
-
-p, ol, ul, td {
- font-family: verdana, arial, helvetica, sans-serif;
- font-size: 13px;
- line-height: 18px;
-}
-
-
-pre {
- background-color: #eee;
- padding: 10px;
- font-size: 11px;
-}
-
-
-a {
- color: #000;
-
-
- &:visited {
- color: #666;
- }
-
-
- &:hover {
- color: #fff;
- background-color: #000;
- }
-}
-
-
-th {
- padding-bottom: 5px;
-}
```



```

-
-td {
- padding: 0 5px 7px;
-}
-
-
-div {
- &.field, &.actions {
-   margin-bottom: 10px;
- }
-}
-
-
-#notice {
- color: green;
-}
-
-
-.field_with_errors {
- padding: 2px;
- background-color: red;
- display: table;
-}
-
-
-#error_explanation {
- width: 450px;
- border: 2px solid red;
- padding: 7px 7px 0;
- margin-bottom: 20px;
- background-color: #f0f0f0;
-
-
- h2 {
-   text-align: left;
-   font-weight: bold;
-   padding: 5px 5px 5px 15px;
-   font-size: 12px;
-   margin: -7px -7px 0;
-   background-color: #c00;
-   color: #fff;
- }
-
-
- ul li {
-   font-size: 12px;
-   list-style: square;
- }
-}
-
-

```

```
-label {
- display: block;
-}
```

Scaffold generated singular car display page

```
diff --git a/CarShop/app/views/makes/show.html.erb
b/CarShop/app/views/makes/show.html.erb
deleted file mode 100644
index f02d66d..0000000
--- a/CarShop/app/views/makes/show.html.erb
+++ /dev/null
@@ -1,14 +0,0 @@
-<p id="notice"><%= notice %></p>
-
-<p>
- <strong>Name:</strong>
- <%= @make.name %>
-</p>
-
-<p>
- <strong>Country:</strong>
- <%= @make.country %>
-</p>
-
-<%= link_to 'Edit', edit_make_path(@make) %> |
-<%= link_to 'Back', makes_path %>
```

Partial generated by scaffold to create/edit a part

```
diff --git a/CarShop/app/views/parts/_form.html.erb
b/CarShop/app/views/parts/_form.html.erb
deleted file mode 100644
index 6cd8700..0000000
--- a/CarShop/app/views/parts/_form.html.erb
+++ /dev/null
@@ -1,22 +0,0 @@
-<%= form_with(model: part, local: true) do |form| %>
- <% if part.errors.any? %>
- <div id="error_explanation">
- <h2><%= pluralize(part.errors.count, "error") %> prohibited this part from being
saved:</h2>
-
- <ul>
- <% part.errors.full_messages.each do |message| %>
- <li><%= message %></li>
```

```

- <% end %>
- </ul>
- </div>
- <% end %>
-
- <div class="field">
- <%= form.label :name %>
- <%= form.text_field :name %>
- </div>
-
- <div class="actions">
- <%= form.submit %>
- </div>
-<% end %>

```

Scaffold generated index page for parts

```

diff --git a/CarShop/app/views/parts/index.html.erb
b/CarShop/app/views/parts/index.html.erb
deleted file mode 100644
index 05802fb..0000000
--- a/CarShop/app/views/parts/index.html.erb
+++ /dev/null
@@ -1,30 +0,0 @@
-<p id="notice"><%= notice %></p>
-
-<h1>Parts</h1>
-
-<table>
- <thead>
- <tr>
- <th>Name</th>
- <th colspan="3"></th>
- </tr>
- </thead>
-
- <tbody>
- <% @parts.each do |part| %>
- <tr>
- <td><%= part.name %></td>
- <td><%= link_to 'Show', part %></td>
- <td><%= link_to 'Edit', edit_part_path(part) %></td>
- <td><%= link_to 'Destroy', part, method: :delete, data: { confirm: 'Are you sure?' } %></td>
- </tr>

```

```

- <% end %>
- </tbody>
-</table>
-
-<br>
-
-<%= link_to 'New Part', new_part_path %>
-<br><br>
-<%= link_to 'Makes', makes_path %>
-<%= link_to 'Cars', cars_path %>

```

Scaffold generated show parts page.

```

diff --git a/CarShop/app/views/parts/show.html.erb
b/CarShop/app/views/parts/show.html.erb
deleted file mode 100644
index d58da0d..0000000
--- a/CarShop/app/views/parts/show.html.erb
+++ /dev/null
@@ -1,9 +0,0 @@
-<p id="notice"><%= notice %></p>
-
-<p>
- <strong>Name:</strong>
- <%= @part.name %>
-</p>
-
-<%= link_to 'Edit', edit_part_path(@part) %> |
-<%= link_to 'Back', parts_path %>

```

Route configuration

```

diff --git a/CarShop/config/routes.rb b/CarShop/config/routes.rb
index 4a2466b..787824f 100644
--- a/CarShop/config/routes.rb
+++ b/CarShop/config/routes.rb
@@ -1,6 +1,3 @@
 Rails.application.routes.draw do
- resources :makes
- resources :parts
- resources :cars
  # For details on the DSL available within this file, see
  http://guides.rubyonrails.org/routing.html
 End

```

Initial Migrations

```
diff --git a/CarShop/db/migrate/20190917205044_create_cars.rb
b/CarShop/db/migrate/20190917205044_create_cars.rb
deleted file mode 100644
index 24f80b7..0000000
--- a/CarShop/db/migrate/20190917205044_create_cars.rb
+++ /dev/null
@@ -1,12 +0,0 @@
-class CreateCars < ActiveRecord::Migration[5.2]
-  def change
-    create_table :cars do |t|
-      t.references :make, foreign_key: true
-      t.string :model
-      t.integer :vin
-      t.references :part, foreign_key: true
-
-      t.timestamps
-    end
-  end
-end
```

```
diff --git a/CarShop/db/migrate/20190917205155_create_parts.rb
b/CarShop/db/migrate/20190917205155_create_parts.rb
deleted file mode 100644
index 0239cb0..0000000
--- a/CarShop/db/migrate/20190917205155_create_parts.rb
+++ /dev/null
@@ -1,9 +0,0 @@
-class CreateParts < ActiveRecord::Migration[5.2]
-  def change
-    create_table :parts do |t|
-      t.string :name
-
-      t.timestamps
-    end
-  end
-end
```

```
diff --git a/CarShop/db/migrate/20190917205244_create_makes.rb
b/CarShop/db/migrate/20190917205244_create_makes.rb
deleted file mode 100644
index b9cf060..0000000
--- a/CarShop/db/migrate/20190917205244_create_makes.rb
+++ /dev/null
@@ -1,10 +0,0 @@
```

```

-class CreateMakes < ActiveRecord::Migration[5.2]
- def change
-   create_table :makes do |t|
-     t.string :name
-     t.string :country
-
-     t.timestamps
-   end
- end
-end

```

Join table creation

```

diff --git a/CarShop/db/migrate/20190917205311_create_cars_parts.rb
b/CarShop/db/migrate/20190917205311_create_cars_parts.rb
deleted file mode 100644
index c0f3483..0000000
--- a/CarShop/db/migrate/20190917205311_create_cars_parts.rb
+++ /dev/null
@@ -1,10 +0,0 @@
-class CreateCarsParts < ActiveRecord::Migration[5.2]
- def change
-   create_table :cars_parts do |t|
-     t.references :car, foreign_key: true
-     t.references :part, foreign_key: true
-
-     t.timestamps
-   end
- end
-end

```

Migrate generated schema

```

diff --git a/CarShop/db/schema.rb b/CarShop/db/schema.rb
deleted file mode 100644
index a2cd448..0000000
--- a/CarShop/db/schema.rb
+++ /dev/null
@@ -1,48 +0,0 @@
-# This file is auto-generated from the current state of the database. Instead
-# of editing this file, please use the migrations feature of Active Record to
-# incrementally modify your database, and then regenerate this schema definition.
-#
-# Note that this schema.rb definition is the authoritative source for your
-# database schema. If you need to create the application database on another
-# system, you should be using db:schema:load, not running all the migrations

```

```

-# from scratch. The latter is a flawed and unsustainable approach (the more migrations
-# you'll amass, the slower it'll run and the greater likelihood for issues).
-#
-# It's strongly recommended that you check this file into your version control system.
-
-ActiveRecord::Schema.define(version: 2019_09_17_205311) do
-
-  - create_table "cars", force: :cascade do |t|
-    - t.integer "make_id"
-    - t.string "model"
-    - t.integer "vin"
-    - t.integer "part_id"
-    - t.datetime "created_at", null: false
-    - t.datetime "updated_at", null: false
-    - t.index ["make_id"], name: "index_cars_on_make_id"
-    - t.index ["part_id"], name: "index_cars_on_part_id"
-  - end
-
-  - create_table "cars_parts", force: :cascade do |t|
-    - t.integer "car_id"
-    - t.integer "part_id"
-    - t.datetime "created_at", null: false
-    - t.datetime "updated_at", null: false
-    - t.index ["car_id"], name: "index_cars_parts_on_car_id"
-    - t.index ["part_id"], name: "index_cars_parts_on_part_id"
-  - end
-
-  - create_table "makes", force: :cascade do |t|
-    - t.string "name"
-    - t.string "country"
-    - t.datetime "created_at", null: false
-    - t.datetime "updated_at", null: false
-  - end
-
-  - create_table "parts", force: :cascade do |t|
-    - t.string "name"
-    - t.datetime "created_at", null: false
-    - t.datetime "updated_at", null: false
-  - end
-
-end

```

Really boring:

Auto generated creation files using the partial _form.html.erb

```
diff --git a/CarShop/app/views/makes/new.html.erb
b/CarShop/app/views/makes/new.html.erb
deleted file mode 100644
index acc6f3b..0000000
--- a/CarShop/app/views/makes/new.html.erb
+++ /dev/null
@@ -1,5 +0,0 @@
-<h1>New Make</h1>
-
-<%= render 'form', make: @make %>
-
-<%= link_to 'Back', makes_path %>
```

```
diff --git a/CarShop/app/views/cars/edit.html.erb
b/CarShop/app/views/cars/edit.html.erb
deleted file mode 100644
index 2a4d04f..0000000
--- a/CarShop/app/views/cars/edit.html.erb
+++ /dev/null
@@ -1,6 +0,0 @@
-<h1>Editing Car</h1>
-
-<%= render 'form', car: @car %>
-
-<%= link_to 'Show', @car %> |
-<%= link_to 'Back', cars_path %>
```

```
diff --git a/CarShop/app/views/cars/new.html.erb
b/CarShop/app/views/cars/new.html.erb
deleted file mode 100644
index f07fce0..0000000
--- a/CarShop/app/views/cars/new.html.erb
+++ /dev/null
@@ -1,5 +0,0 @@
-<h1>New Car</h1>
-
-<%= render 'form', car: @car %>
-
-<%= link_to 'Back', cars_path %>
```



```
diff --git a/CarShop/app/views/makes/edit.html.erb
b/CarShop/app/views/makes/edit.html.erb
deleted file mode 100644
index 17b5dcf..0000000
--- a/CarShop/app/views/makes/edit.html.erb
+++ /dev/null
@@ -1,6 +0,0 @@
-<h1>Editing Make</h1>
-
-<%= render 'form', make: @make %>
-
-<%= link_to 'Show', @make %> |
-<%= link_to 'Back', makes_path %>
```

```
diff --git a/CarShop/app/views/parts/edit.html.erb
b/CarShop/app/views/parts/edit.html.erb
deleted file mode 100644
index b88c790..0000000
--- a/CarShop/app/views/parts/edit.html.erb
+++ /dev/null
@@ -1,6 +0,0 @@
-<h1>Editing Part</h1>
-
-<%= render 'form', part: @part %>
-
-<%= link_to 'Show', @part %> |
-<%= link_to 'Back', parts_path %>
```

```
diff --git a/CarShop/app/views/parts/new.html.erb
b/CarShop/app/views/parts/new.html.erb
deleted file mode 100644
index 0db5be7..0000000
--- a/CarShop/app/views/parts/new.html.erb
+++ /dev/null
@@ -1,5 +0,0 @@
-<h1>New Part</h1>
-
-<%= render 'form', part: @part %>
-
-<%= link_to 'Back', parts_path %>
```

JavaScript JSON builder pages:

```
diff --git a/CarShop/app/views/makes/show.json.jbuilder
b/CarShop/app/views/makes/show.json.jbuilder
deleted file mode 100644
index 06fed17..0000000
--- a/CarShop/app/views/makes/show.json.jbuilder
+++ /dev/null
@@ -1 +0,0 @@
-json.partial! "makes/make", make: @make
```

```
diff --git a/CarShop/app/views/parts/_part.json.jbuilder
b/CarShop/app/views/parts/_part.json.jbuilder
deleted file mode 100644
index 4ca9fce..0000000
--- a/CarShop/app/views/parts/_part.json.jbuilder
+++ /dev/null
@@ -1,2 +0,0 @@
-json.extract! part, :id, :name, :created_at, :updated_at
-json.url part_url(part, format: :json)
```

```
diff --git a/CarShop/app/views/makes/index.json.jbuilder
b/CarShop/app/views/makes/index.json.jbuilder
deleted file mode 100644
index d8079f8..0000000
--- a/CarShop/app/views/makes/index.json.jbuilder
+++ /dev/null
@@ -1 +0,0 @@
-json.array! @makes, partial: "makes/make", as: :make
```

```
diff --git a/CarShop/app/views/makes/_make.json.jbuilder
b/CarShop/app/views/makes/_make.json.jbuilder
deleted file mode 100644
index 9f396ae..0000000
--- a/CarShop/app/views/makes/_make.json.jbuilder
+++ /dev/null
@@ -1,2 +0,0 @@
-json.extract! make, :id, :name, :country, :created_at, :updated_at
-json.url make_url(make, format: :json)
```

```
diff --git a/CarShop/app/views/cars/show.json.jbuilder
b/CarShop/app/views/cars/show.json.jbuilder
deleted file mode 100644
index 01e8ce8..0000000
--- a/CarShop/app/views/cars/show.json.jbuilder
```

```

+++ /dev/null
@@ -1 +0,0 @@
-json.partial! "cars/car", car: @car

diff --git a/CarShop/app/views/cars/index.json.jbuilder
b/CarShop/app/views/cars/index.json.jbuilder
deleted file mode 100644
index c76067c..0000000
--- a/CarShop/app/views/cars/index.json.jbuilder
+++ /dev/null
@@ -1 +0,0 @@
-json.array! @cars, partial: "cars/car", as: :car

diff --git a/CarShop/app/views/cars/_car.json.jbuilder
b/CarShop/app/views/cars/_car.json.jbuilder
deleted file mode 100644
index ca7d9b5..0000000
--- a/CarShop/app/views/cars/_car.json.jbuilder
+++ /dev/null
@@ -1,2 +0,0 @@
-json.extract! car, :id, :make_id, :model, :vin, :part_id, :created_at, :updated_at
-json.url car_url(car, format: :json)

diff --git a/CarShop/app/views/parts/index.json.jbuilder
b/CarShop/app/views/parts/index.json.jbuilder
deleted file mode 100644
index bfeedbf..0000000
--- a/CarShop/app/views/parts/index.json.jbuilder
+++ /dev/null
@@ -1 +0,0 @@
-json.array! @parts, partial: "parts/part", as: :part

diff --git a/CarShop/app/views/parts/show.json.jbuilder
b/CarShop/app/views/parts/show.json.jbuilder
deleted file mode 100644
index 5815f2b..0000000
--- a/CarShop/app/views/parts/show.json.jbuilder
+++ /dev/null
@@ -1 +0,0 @@
-json.partial! "parts/part", part: @part

```

```
diff --git a/CarShop/app/helpers/cars_helper.rb b/CarShop/app/helpers/cars_helper.rb
deleted file mode 100644
index c410fa3..0000000
--- a/CarShop/app/helpers/cars_helper.rb
+++ /dev/null
@@ -1,2 +0,0 @@
-module CarsHelper
-end
```

```
diff --git a/CarShop/app/helpers/makes_helper.rb
b/CarShop/app/helpers/makes_helper.rb
deleted file mode 100644
index 94c3d99..0000000
--- a/CarShop/app/helpers/makes_helper.rb
+++ /dev/null
@@ -1,2 +0,0 @@
-module MakesHelper
-end
```

```
diff --git a/CarShop/app/helpers/parts_helper.rb
b/CarShop/app/helpers/parts_helper.rb
deleted file mode 100644
index 742ac82..0000000
--- a/CarShop/app/helpers/parts_helper.rb
+++ /dev/null
@@ -1,2 +0,0 @@
-module PartsHelper
-end
```

All Tests & Testing Fixtures

```
diff --git a/CarShop/test/controllers/cars_controller_test.rb
b/CarShop/test/controllers/cars_controller_test.rb
deleted file mode 100644
index fd57098..0000000
--- a/CarShop/test/controllers/cars_controller_test.rb
+++ /dev/null
@@ -1,48 +0,0 @@
-require 'test_helper'
-
-class CarsControllerTest < ActionDispatch::IntegrationTest
-  setup do
-    @car = cars(:one)
-  end
-
```

```

- test "should get index" do
-   get cars_url
-   assert_response :success
- end
-
- test "should get new" do
-   get new_car_url
-   assert_response :success
- end
-
- test "should create car" do
-   assert_difference('Car.count') do
-     post cars_url, params: { car: { make_id: @car.make_id, model: @car.model, part_id:
@car.part_id, vin: @car.vin } }
-   end
-
-   assert_redirected_to car_url(Car.last)
- end
-
- test "should show car" do
-   get car_url(@car)
-   assert_response :success
- end
-
- test "should get edit" do
-   get edit_car_url(@car)
-   assert_response :success
- end
-
- test "should update car" do
-   patch car_url(@car), params: { car: { make_id: @car.make_id, model: @car.model,
part_id: @car.part_id, vin: @car.vin } }
-   assert_redirected_to car_url(@car)
- end
-
- test "should destroy car" do
-   assert_difference('Car.count', -1) do
-     delete car_url(@car)
-   end
-
-   assert_redirected_to cars_url
- end
-end

```

```
diff --git a/CarShop/test/controllers/makes_controller_test.rb
b/CarShop/test/controllers/makes_controller_test.rb
deleted file mode 100644
index 52dfd39..0000000
--- a/CarShop/test/controllers/makes_controller_test.rb
+++ /dev/null
@@ -1,48 +0,0 @@
-require 'test_helper'
-
-class MakesControllerTest < ActionDispatch::IntegrationTest
-  setup do
-    @make = makes(:one)
-  end
-
-  test "should get index" do
-    get makes_url
-    assert_response :success
-  end
-
-  test "should get new" do
-    get new_make_url
-    assert_response :success
-  end
-
-  test "should create make" do
-    assert_difference('Make.count') do
-      post makes_url, params: { make: { country: @make.country, name: @make.name } }
-    end
-
-    assert_redirected_to make_url(Make.last)
-  end
-
-  test "should show make" do
-    get make_url(@make)
-    assert_response :success
-  end
-
-  test "should get edit" do
-    get edit_make_url(@make)
-    assert_response :success
-  end
-
-  test "should update make" do
```

```

- patch make_url(@make), params: { make: { country: @make.country, name:
@make.name } }
- assert_redirected_to make_url(@make)
- end
-
- test "should destroy make" do
-   assert_difference('Make.count', -1) do
-     delete make_url(@make)
-   end
- end
-
- assert_redirected_to makes_url
- end
-end

```

```

diff --git a/CarShop/test/controllers/parts_controller_test.rb
b/CarShop/test/controllers/parts_controller_test.rb
deleted file mode 100644
index 0191216..0000000
--- a/CarShop/test/controllers/parts_controller_test.rb
+++ /dev/null
@@ -1,48 +0,0 @@
-require 'test_helper'
-
-class PartsControllerTest < ActionDispatch::IntegrationTest
-  setup do
-    @part = parts(:one)
-  end
-
-  -
-  - test "should get index" do
-    get parts_url
-    assert_response :success
-  end
-
-  -
-  - test "should get new" do
-    get new_part_url
-    assert_response :success
-  end
-
-  -
-  - test "should create part" do
-    assert_difference('Part.count') do
-      post parts_url, params: { part: { name: @part.name } }
-    end
-
-    -
-    assert_redirected_to part_url(Part.last)

```

```

- end
-
- test "should show part" do
-   get part_url(@part)
-   assert_response :success
- end
-
- test "should get edit" do
-   get edit_part_url(@part)
-   assert_response :success
- end
-
- test "should update part" do
-   patch part_url(@part), params: { part: { name: @part.name } }
-   assert_redirected_to part_url(@part)
- end
-
- test "should destroy part" do
-   assert_difference('Part.count', -1) do
-     delete part_url(@part)
-   end
-
-   assert_redirected_to parts_url
- end
-end

```

```

diff --git a/CarShop/test/fixtures/cars.yml b/CarShop/test/fixtures/cars.yml
deleted file mode 100644
index 2d5f52a..0000000
--- a/CarShop/test/fixtures/cars.yml
+++ /dev/null
@@ -1,13 +0,0 @@
-# Read about fixtures at
-http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html
-
-one:
-  make: one
-  model: MyString
-  vin: 1
-  part: one
-
-two:
-  make: two
-  model: MyString

```


- vin: 1
- part: two

diff --git a/CarShop/test/fixtures/cars_parts.yml b/CarShop/test/fixtures/cars_parts.yml
deleted file mode 100644

index 51418dc..0000000

--- a/CarShop/test/fixtures/cars_parts.yml

+++ /dev/null

@@ -1,9 +0,0 @@

-# Read about fixtures at

<http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html>

-

-one:

- car: one
- part: one

-

-two:

- car: two
- part: two

diff --git a/CarShop/test/fixtures/makes.yml b/CarShop/test/fixtures/makes.yml

deleted file mode 100644

index d8d63f7..0000000

--- a/CarShop/test/fixtures/makes.yml

+++ /dev/null

@@ -1,9 +0,0 @@

-# Read about fixtures at

<http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html>

-

-one:

- name: MyString
- country: MyString

-

-two:

- name: MyString
- country: MyString

diff --git a/CarShop/test/fixtures/parts.yml b/CarShop/test/fixtures/parts.yml

deleted file mode 100644

index 56066c6..0000000

--- a/CarShop/test/fixtures/parts.yml

+++ /dev/null

@@ -1,7 +0,0 @@

-# Read about fixtures at

<http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html>

-

```
-one:
- name: MyString
-
-two:
- name: MyString
```

```
diff --git a/CarShop/test/models/car_test.rb b/CarShop/test/models/car_test.rb
deleted file mode 100644
index 39bdaec..0000000
--- a/CarShop/test/models/car_test.rb
+++ /dev/null
@@ -1,7 +0,0 @@
-require 'test_helper'
-
-class CarTest < ActiveSupport::TestCase
- # test "the truth" do
- #   assert true
- # end
-end
```

```
diff --git a/CarShop/test/models/cars_parts_test.rb
b/CarShop/test/models/cars_parts_test.rb
deleted file mode 100644
index 34c6849..0000000
--- a/CarShop/test/models/cars_parts_test.rb
+++ /dev/null
@@ -1,7 +0,0 @@
-require 'test_helper'
-
-class CarsPartsTest < ActiveSupport::TestCase
- # test "the truth" do
- #   assert true
- # end
-end
```

```
diff --git a/CarShop/test/models/make_test.rb b/CarShop/test/models/make_test.rb
deleted file mode 100644
index 8162f47..0000000
--- a/CarShop/test/models/make_test.rb
+++ /dev/null
@@ -1,7 +0,0 @@
-require 'test_helper'
-
-class MakeTest < ActiveSupport::TestCase
```

```
- # test "the truth" do
- #   assert true
- # end
-end
```

```
diff --git a/CarShop/test/models/part_test.rb b/CarShop/test/models/part_test.rb
deleted file mode 100644
index bba3103..0000000
--- a/CarShop/test/models/part_test.rb
+++ /dev/null
@@ -1,7 +0,0 @@
-require 'test_helper'
-
-class PartTest < ActiveSupport::TestCase
-  # test "the truth" do
-  #   assert true
-  # end
-end
```

```
diff --git a/CarShop/test/system/cars_test.rb b/CarShop/test/system/cars_test.rb
deleted file mode 100644
index d0c7e70..0000000
--- a/CarShop/test/system/cars_test.rb
+++ /dev/null
@@ -1,49 +0,0 @@
-require "application_system_test_case"
-
-class CarsTest < ApplicationSystemTestCase
-  setup do
-    @car = cars(:one)
-  end
-
-  # test "visiting the index" do
-  #   visit cars_url
-  #   assert_selector "h1", text: "Cars"
-  # end
-
-  # test "creating a Car" do
-  #   visit cars_url
-  #   click_on "New Car"
-
-  #   fill_in "Make", with: @car.make_id
-  #   fill_in "Model", with: @car.model
-  #   fill_in "Part", with: @car.part_id
```

```

- fill_in "Vin", with: @car.vin
- click_on "Create Car"
-
- assert_text "Car was successfully created"
- click_on "Back"
- end
-
- test "updating a Car" do
- visit cars_url
- click_on "Edit", match: :first
-
- fill_in "Make", with: @car.make_id
- fill_in "Model", with: @car.model
- fill_in "Part", with: @car.part_id
- fill_in "Vin", with: @car.vin
- click_on "Update Car"
-
- assert_text "Car was successfully updated"
- click_on "Back"
- end
-
- test "destroying a Car" do
- visit cars_url
- page.accept_confirm do
- click_on "Destroy", match: :first
- end
-
- assert_text "Car was successfully destroyed"
- end
-end

```

```

diff --git a/CarShop/test/system/makes_test.rb b/CarShop/test/system/makes_test.rb
deleted file mode 100644

```

```

index 5751726..0000000

```

```

--- a/CarShop/test/system/makes_test.rb

```

```

+++ /dev/null

```

```

@@ -1,45 +0,0 @@

```

```

-require "application_system_test_case"

```

```

-

```

```

-class MakesTest < ApplicationSystemTestCase

```

```

-  setup do

```

```

-    @make = makes(:one)

```

```

-  end

```

```

-

```

```

- test "visiting the index" do
-   visit makes_url
-   assert_selector "h1", text: "Makes"
- end
-
- test "creating a Make" do
-   visit makes_url
-   click_on "New Make"
-
-   fill_in "Country", with: @make.country
-   fill_in "Name", with: @make.name
-   click_on "Create Make"
-
-   assert_text "Make was successfully created"
-   click_on "Back"
- end
-
- test "updating a Make" do
-   visit makes_url
-   click_on "Edit", match: :first
-
-   fill_in "Country", with: @make.country
-   fill_in "Name", with: @make.name
-   click_on "Update Make"
-
-   assert_text "Make was successfully updated"
-   click_on "Back"
- end
-
- test "destroying a Make" do
-   visit makes_url
-   page.accept_confirm do
-     click_on "Destroy", match: :first
-   end
-
-   assert_text "Make was successfully destroyed"
- end
-end

```

```

diff --git a/CarShop/test/system/parts_test.rb b/CarShop/test/system/parts_test.rb
deleted file mode 100644
index 7bdf358..0000000
--- a/CarShop/test/system/parts_test.rb
+++ /dev/null

```

```

@@ -1,43 +0,0 @@
-require "application_system_test_case"
-
-class PartsTest < ApplicationSystemTestCase
-  setup do
-    @part = parts(:one)
-  end
-
-  test "visiting the index" do
-    visit parts_url
-    assert_selector "h1", text: "Parts"
-  end
-
-  test "creating a Part" do
-    visit parts_url
-    click_on "New Part"
-
-    fill_in "Name", with: @part.name
-    click_on "Create Part"
-
-    assert_text "Part was successfully created"
-    click_on "Back"
-  end
-
-  test "updating a Part" do
-    visit parts_url
-    click_on "Edit", match: :first
-
-    fill_in "Name", with: @part.name
-    click_on "Update Part"
-
-    assert_text "Part was successfully updated"
-    click_on "Back"
-  end
-
-  test "destroying a Part" do
-    visit parts_url
-    page.accept_confirm do
-      click_on "Destroy", match: :first
-    end
-
-    assert_text "Part was successfully destroyed"
-  end
-end

```

