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CS3710
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# Assignment 2 Report

## Changed Files

Make:

- `/views/../index.html.erb`
  - Search box created.

- `/model/../make.rb`
  - Added validations for uniqueness, non-null name and non-null country.

Car:

- `/views/../index.html.erb`
  - Search box created.

- `/model/../part.rb`
  - Added validation feature for uniqueness, non-null name, and for VIN length.

- `/controller/../cars_controller.rb`
  - Added search method.

Part:

- `/views/../index.html.erb`
  - Search box created.

- `/model/../part.rb`
  - Added validation feature for uniqueness and non-null name.

- `/controller/../parts_controller.rb`
  - Added search method.

<u>All Sections:</u>

- `routes.rb`
  - Added a new route for each resource. One for make, cars, and parts. This helps the search functions to perform properly.

<u>Testing:</u>

- `/test/../makes_controller_test.rb`
  - Added a test for the search function.
  - Added a test for the validation.

- `/test/../cars_controller_test.rb`
  - Added a test for the search function.
  - Added a test for the validation.

- `/test/../parts_controller_test.rb`
  - Added a test for the search function.
  - Added a test for the validation.

- `/test/../makes.yml`
  - Changed object attribute names to make it more readable.

- `/fixtures/../cars.yml`
  - Changed object attribute names to make it more readable.

- `/fixtures/../parts.yml`
  - Changed object attribute names to make it more readable.

# Examples

## Validation for making cars:

### New Car

**3 errors prohibited this car from being saved:**

- Model can't be blank
- Vin can't be blank
- Vin is the wrong length (should be 17 characters)

Make
Toyota ▼

Model

Vin

Car

☐
Battery
☐
Steering Wheel
☐
Heated Seats
☐
Emergency Cup Holder

Create Car

Back

## Validation for making illegal parts:

### New Part

**1 error prohibited this part from being saved:**

- Name can't be blank

Name

Car

☐
Camry
☐
Corolla

Create Part

Back

Validation for making illegal makes:

## New Make

**2 errors prohibited this make from being saved:**

- Name can't be blank
- Country can't be blank

Name

Country

Create Make

Back

git diff

```
C:\Users\Celes\OneDrive\Documents\GitHub\assignment-two-GeromanEmpire>git diff 3b38716 00dc634
diff --git a/app/controllers/cars_controller.rb b/app/controllers/cars_controller.rb
index 6573461..e7ce2dd 100644
--- a/app/controllers/cars_controller.rb
+++ b/app/controllers/cars_controller.rb
@@ -65,6 +65,11 @@ class CarsController < ApplicationController
      end
   end

+  def search
+    @cars = Car.where("model like ?", "%#{params[:query]}%")
+    render :index
+  end
+
   private
     # Use callbacks to share common setup or constraints between actions.
     def set_car
diff --git a/app/controllers/makes_controller.rb b/app/controllers/makes_controller.rb
index 19460d9..e0495a6 100644
--- a/app/controllers/makes_controller.rb
+++ b/app/controllers/makes_controller.rb
@@ -61,6 +61,11 @@ class MakesController < ApplicationController
      end
   end

+  def search
+    @makes = Make.where("name like ?", "%#{params[:query]}%")
+    render :index
+  end
+
   private
     # Use callbacks to share common setup or constraints between actions.
     def set_make
diff --git a/app/controllers/parts_controller.rb b/app/controllers/parts_controller.rb
index 657eefc..b06f90c 100644
--- a/app/controllers/parts_controller.rb
+++ b/app/controllers/parts_controller.rb
@@ -64,6 +64,11 @@ class PartsController < ApplicationController
      end
   end
```

```
+  def search
+    @parts = Part.where("name like ?", "%#{params[:query]}%")
+    render :index
+  end
+
   private
     # Use callbacks to share common setup or constraints between actions.
     def set_part
diff --git a/app/models/make.rb b/app/models/make.rb
index e7cd633..5d89a7b 100644
--- a/app/models/make.rb
+++ b/app/models/make.rb
@@ -2,5 +2,5 @@ class Make < ApplicationRecord
   has_many :cars

   validates :name, presence: true, uniqueness: true
-  validates :country, presence: true, uniqueness: true
+  validates :country, presence: true
 end
diff --git a/app/views/cars/index.html.erb b/app/views/cars/index.html.erb
index b9019be..f47f258 100644
--- a/app/views/cars/index.html.erb
+++ b/app/views/cars/index.html.erb
@@ -2,6 +2,12 @@

 <h1>Cars</h1>

+<%=form_tag(search_cars_url, method: "get") do %>
+   <%=label_tag(:query, "Search for:") %>
+   <%=text_field_tag(:query) %>
+   <%=submit_tag("Search") %>
+<%end%>
+
 <table>
    <thead>
      <tr>
diff --git a/app/views/makes/index.html.erb b/app/views/makes/index.html.erb
index f675780..4faf0f9 100644
--- a/app/views/makes/index.html.erb
+++ b/app/views/makes/index.html.erb
@@ -2,6 +2,12 @@

 <h1>Makes</h1>
```

```
+<%=form_tag(search_makes_url, method: "get") do %>
+    <%=label_tag(:query, "Search for:") %>
+    <%=text_field_tag(:query) %>
+    <%=submit_tag("Search") %>
+<%end%>
+
 <table>
    <thead>
      <tr>
diff --git a/app/views/parts/index.html.erb b/app/views/parts/index.html.erb
index bbc1cf9..b51ef43 100644
--- a/app/views/parts/index.html.erb
+++ b/app/views/parts/index.html.erb
@@ -2,6 +2,12 @@

 <h1>Parts</h1>

+<%=form_tag(search_parts_url, method: "get") do %>
+    <%=label_tag(:query, "Search for:") %>
+    <%=text_field_tag(:query) %>
+    <%=submit_tag("Search") %>
+<%end%>
+
 <table>
    <thead>
      <tr>
```

```diff
diff --git a/config/routes.rb b/config/routes.rb
index 76b1337..a2aa232 100644
--- a/config/routes.rb
+++ b/config/routes.rb
@@ -1,6 +1,21 @@
 Rails.application.routes.draw do
-  resources :parts
-  resources :makes
-  resources :cars
-  # For details on the DSL available within this file, see http://guides.rubyonrails.org/routing.html
+  resources :parts do
+    collection do
+      get 'search'
+    end
+  end
+
+  resources :makes do
+    collection do
+      get 'search'
+    end
+  end
+
+  resources :cars do
+    collection do
+      get 'search'
+    end
+  end
 end
+
+  # For details on the DSL available within this file, see http://guides.rubyonrails.org/routing.html
diff --git a/test/controllers/cars_controller_test.rb b/test/controllers/cars_controller_test.rb
index c2f842f..1b21dac 100644
--- a/test/controllers/cars_controller_test.rb
+++ b/test/controllers/cars_controller_test.rb
@@ -45,4 +45,14 @@ class CarsControllerTest < ActionDispatch::IntegrationTest

     assert_redirected_to cars_url
   end
+
```

```
+  test "should find cars from the fixture" do
+    assert Car.where("model like?", "Corolla").length == 1
+  end
+
+  test "searches always return 200" do
+    get search_cars_url, params: { search: "Corolla"}
+    assert_equal 200, status
+  end
+
 end
diff --git a/test/controllers/makes_controller_test.rb b/test/controllers/makes_controller_test.rb
index 52dfd39..ed2b6a7 100644
--- a/test/controllers/makes_controller_test.rb
+++ b/test/controllers/makes_controller_test.rb
@@ -45,4 +45,14 @@ class MakesControllerTest < ActionDispatch::IntegrationTest

     assert_redirected_to makes_url
   end
+
+  test "should find makes from the fixture" do
+    assert Part.where("name like?", "Toyota").length == 1
+  end
+
+  test "searches always return 200" do
+    get search_makes_url, params: { search: "Toyota"}
+    assert_equal 200, status
+  end
+
 end
diff --git a/test/controllers/parts_controller_test.rb b/test/controllers/parts_controller_test.rb
index 0191216..d67f0bb 100644
--- a/test/controllers/parts_controller_test.rb
+++ b/test/controllers/parts_controller_test.rb
@@ -45,4 +45,14 @@ class PartsControllerTest < ActionDispatch::IntegrationTest

     assert_redirected_to parts_url
   end
+
+  test "should find parts from the fixture" do
+    assert Part.where("name like?", "Headlight").length == 1
+  end
+
+  test "searches always return 200" do
```

```diff
+    get search_makes_url, params: { search: "Toyota"}
+    assert_equal 200, status
+  end
+
 end
diff --git a/test/controllers/parts_controller_test.rb b/test/controllers/parts_controller_test.rb
index 0191216..d67f0bb 100644
--- a/test/controllers/parts_controller_test.rb
+++ b/test/controllers/parts_controller_test.rb
@@ -45,4 +45,14 @@ class PartsControllerTest < ActionDispatch::IntegrationTest

     assert_redirected_to parts_url
   end
+
+  test "should find parts from the fixture" do
+    assert Part.where("name like?", "Headlight").length == 1
+  end
+
+  test "searches always return 200" do
+    get search_parts_url, params: { search: "Headlight"}
+    assert_equal 200, status
+  end
+
 end
diff --git a/test/fixtures/cars.yml b/test/fixtures/cars.yml
index ed8fd7d..809a55d 100644
--- a/test/fixtures/cars.yml
+++ b/test/fixtures/cars.yml
@@ -1,11 +1,11 @@
 # Read about fixtures at http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html

-one:
-  model: MyString
-  vin: MyString
-  make: one
+Corolla:
+  model: Corolla
+  vin: 12345678912345678
+  make: Toyota

-two:
-  model: MyString
-  vin: MyString
```

```
-    make: two
+Outback:
+    model: Outback
+    vin: 87654321987654321
+    make: Subaru
diff --git a/test/fixtures/cars_parts.yml b/test/fixtures/cars_parts.yml
index 51418dc..3cfacf1 100644
--- a/test/fixtures/cars_parts.yml
+++ b/test/fixtures/cars_parts.yml
@@ -1,9 +1,9 @@
 # Read about fixtures at http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html

-one:
-    car: one
-    part: one
+Corolla:
+    car: Corolla
+    part: Battery

-two:
-    car: two
-    part: two
+Outback:
+    car: Outback
+    part: Headlight
diff --git a/test/fixtures/makes.yml b/test/fixtures/makes.yml
index d8d63f7..0ec297e 100644
--- a/test/fixtures/makes.yml
+++ b/test/fixtures/makes.yml
@@ -1,9 +1,9 @@
 # Read about fixtures at http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html

-one:
-    name: MyString
-    country: MyString
+Corolla:
+    name: Toyota
+    country: Japan

-two:
-    name: MyString
-    country: MyString
```

```
+Outback:
+  name: Subaru
+  country: Japan
diff --git a/test/fixtures/parts.yml b/test/fixtures/parts.yml
index 56066c6..17e7f34 100644
--- a/test/fixtures/parts.yml
+++ b/test/fixtures/parts.yml
@@ -1,7 +1,7 @@
 # Read about fixtures at http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html

-one:
-  name: MyString
+Corolla:
+  name: Battery

-two:
-  name: MyString
+Outback:
+  name: Headlight
```

```
-one:
-    name: MyString
-    country: MyString
+Corolla:
+    name: Toyota
+    country: Japan

-two:
-    name: MyString
-    country: MyString
+Outback:
+    name: Subaru
+    country: Japan
diff --git a/test/fixtures/parts.yml b/test/fixtures/parts.yml
index 56066c6..17e7f34 100644
--- a/test/fixtures/parts.yml
+++ b/test/fixtures/parts.yml
@@ -1,7 +1,7 @@
 # Read about fixtures at http://api.rubyonrails.org/classes/ActiveRecord/FixtureSet.html

-one:
-    name: MyString
+Corolla:
+    name: Battery

-two:
-    name: MyString
+Outback:
+    name: Headlight
~
~
~
~
~
~
~
~
~
~
~
~
~
~
(END)
```