Step

1. new Rails applic-ation	rails new dog-app -T
2. directory to access	cd dog-app/
3. Generate the model	rails g model dog name motto
	This creates 2 files: app/model-s/dog.rb db/migrate/[date_t-ime]_create_dogs.rb The dog table in our database will have 2 fields: name and motto.
4. Generate the controller	rails g controller dogs index show new edit

5. The config/routes.rb file also gets automatically updated:

5. Update the config/routes.rb

```
Rails.application.routes.draw do
    res ources :dogs
end
```

6. migrate our data

```
class CreateDogs <
ActiveRecord::Migration[5.2]
   def change
        cre ate _table :dogs do
|t|
            t.s tring :name
            t.s tring :motto

            t.t ime stamps
       end
```

6. migrate our data (cont)

```
>  end
end
```

```
rake db:migrate
```

7. Update the db/migrate/seeds.rb

```
Dog.create(name: 'Nala', motto:
'Born to be wild')
Dog.cr eat e(name: 'Alex',
motto: 'Calm as can be')
Dog.cr eat e(name: 'Leroy',
motto: 'Life of the pawty')
Dog.cr eat e(name: 'Belle',
motto: 'Miss Indepe ndent')
```

```
rake db:seed
```

(1).config/routes.rb

```
1.config/routes.rb
Rails.a pp lic ati on.r ou -
tes.draw do
    res ources :barangs
end
```

(2)db/migrate/20190510051736_create_b-arangs.rb

```
2.db/migrate/20190510051736_create_barangs.rb
class Create Barangs < Active Rec ord::Mig
igr ati on[5.2]
   def change
        cre ate _table :barangs do |t|
            t.s tring :sku
            t.s tring :nama
            t.i nteger :kuantitas
            t.i nteger :hargaBeli
            t.i nteger :hargaJual
            t.i nteger :profit
```

(2)db/migrate/20190510051736_create_b-arangs.rb (cont)

```
>      t.timestamps
    end
  end
end
```

(3).db/seeds.rb

```
3.db/seeds.rb
Barang.cr eat e(s ku: 'AI R001',
nama: 'Air mineral Aqui',
kuanti tas:10, hargaBeli: 3000,
hargaJual: 6000, profit: 3000)
Barang.cr eat e(s ku: 'SO F001',
nama: 'Choca Chola', kuanti -
tas:20, hargaBeli: 5000,
hargaJual: 4500, profit: -500)
Barang.cr eat e(s ku: 'SN K001',
nama: 'Cheetah Toh', kuanti -
tas:15, hargaBeli: 4000,
hargaJual: 5000, profit :1000)
```

8. added to your database

In order to check if the dogs have been added to your database, run:
rails console or rails c
Type in Dog.all and you should see that the 4 dogs have been added.
FYI. Run rails routes or go to localhost:30-00/rails/info/routes to see all routes your application is configured to:

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9. Read

Goal: List all dogs

Controller – app /co ntr oll - ers /do gs_ con tro lle r.rb, index method

```
def index
      @dogs = Dog.all
end
```

Index – vie ws/ dog s/i nde - x.h tml.erb

```
<ul>
    <% @dogs.each do |dog| %>
        <li ><%= link_to dog.name, dog_pa th(dog) %> < /li>
    <% end %>
</u l>
```

10. Read(Show details of specific dog)

Goal: Show details of specific dog

Contro ller– app/ con tro lle - rs/ dog s_c ont rol ler.rb, show method

```
 def show
       @dog = Dog.fi nd( par - ams [:id])
   end
```

Show – vie ws/ dog s/s how.ht - ml.erb

```
<h1 ><%= @dog.name %>< /h1>
<h4 >"<%= @dog.motto %>"< /h4>
```

(4).app/controllers/barangs_controller.rb

4.**app/controllers/barangs_controller.rb**

```
class Barang sCo ntr oller < Applic - ati onC ont roller
   def index
        @ba rangs = Barang.all
```

(4).app/controllers/barangs_controller.rb (cont)

```
> end
  def show
    @barangs = Barang.find(params[:id])
  end
  def new
    @barangs = Barang.new
    @hasilProfit = MathCalculator.send(para-ms[:operation], *[params[:a], params[;b]])
    render : index
  end
  def create
    @barang = Barang.create(barang_-params)
    redirect_to barangs_path
  end
  def barang_params
    params.require(:barang).permit(:sku, :nama, :kuantitas, :hargaBeli, :hargaJual, :profit)
  end
  def edit
    @barang = Barang.find(params[:id])
  end
  def destroy
    @barang = Barang.find(params[:id])
    @barang.destroy
    redirect_to barangs_path
  end
  def update
    @barang = Barang.find(params[:id])
```

(4).app/controllers/barangs_controller.rb (cont)

```
>    @barang.update(barang_params)
    redirect_to barangs_path
  end
  def get_profit
    count_profit = ProfitCalculator.new params[:operation]
    @result = profit_calculator.calculate
  end
end
```

(5)app/views/barangs/index.html.erb

5.**app/views/barangs/index.html.erb**

```
<st yle>
         table{
         mar gin -left: auto;
         mar gin -right: auto;
        }
        .tabel2 {
         bor der -co llapse: collapse;
        }
        .ta bel2, tr, th, td {
         border: 1px solid black;
        }
</s tyl e>
<h1 >Daftar Barang </h 1>
<table class= 'ta bel 2'>
<th ead>
<tr>
```


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(5)app/views/barangs/index.html.erb (cont)

```
> <th>SKU</th>
<th>Nama</th>
<th>Kuantitas </th>
<th>Harga beli</th>
<th>Harga jual</th>
<th>Profit per item</th>
<th colspan="2">Action</th>
</tr>
</thead>
<tbody>
<% @barangs.each do |barang| %>
<tr>
<td scope="row"><%= barang.sku %></td>
<td><%= barang.nama%></td>
<td><%= barang.kuantitas %></td>
<td><%= barang.hargaBeli %></td>
<td><%= barang.hargaJual %></td>%
<td>
  <% unless @hasilProfit.nil? %>
  <%= @hasilProfit %>
  <% end %>
</td>
<td><%= button_to 'Edit', edit_barang_path(barang), method: 'get'%></td>
<td><%= button_to 'Remove', barang_path(barang), method: 'delete', data: { confirm: 'Anda Yakin?' } %></td>
</tr>
```

(5)app/views/barangs/index.html.erb (cont)

```
> <% end %>
</tbody>
</table>
<%= link_to "Add a New Barang", new_barang_path %>
```

(6).app/views/barangs/edit.html.erb*

```
6.app/views/barangs/edit.html.erb*
<h1 >Edit Barang </h 1>
<h3 >Update Barang Detail s</ h3>
<%= form_with model: @barang do |form| %>
    <%= form.t ext _field :sku, placeh older: " sku " %>
    <%= form.t ext _field :nama, placeh older: " nam a" %>
    <%= form.n umb er_ field :kuant itas, placeh older: " - kua nti tas " %>
    <%= form.n umb er_ field :harga Beli, placeh older: " - har gaB eli " %>
    <%= form.n umb er_ field :harga Jual, placeh older: " - har gaJ ual " %>
    <%= form.n umb er_ field :profit, placeh older: " pro - fit " %>
    <%= form.s ubmit %>
<% end %>
```

11. Create(Create a new dog)

Goal: Create a new dog

Controller – app /co ntr oll - ers /do gs_ con tro lle r.rb, new and create methods

```
def new
```

11. Create(Create a new dog) (cont)

```
>    @dog = Dog.new
  end
  def create
    dog = Dog.create(dog_params)
    redirect_to dogs_path
  end
  private
  def dog_params
    params.require(:dog).permit(:name, :motto)
  end
```

New—views/dogs/new.html.erb

```
<h3>Create a Dog</h3>
<%= form_with model: @dog do |form| %>
  <%= form.text_field :name, placeholder: "- name" %>
  <%= form.text_field :motto, placeholder: "- motto" %>
  <%= form.submit %>
<% end %>
```

12.Update

Goal Update details for specific dog

Controller – app /co ntr oll - ers /do gs_ con tro lle r.rb, edit and update methods

```
    def edit
        @dog = Dog.fi nd( par - ams [:id])
    end
    def update
        @dog = Dog.fi nd( par - ams [:id])
         @do g.u pda te( dog - _pa rams)
         red ire ct_to dog_pa - th( @dog)
```


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12.Update (cont)

```
>  end
 private
 def dog_params
   params.require(:dog).permit(:name,
:motto)
 end
```

Edit—views/dogs/edit.html.erb

```
<h3>Update Dog Details</h3>
<%= form_with model: @dog do |form| %>
 <%= form.text_field :name, placeholder: "-
name" %>
 <%= form.text_field :motto, placeholder: "-
motto" %>
 <%= form.submit %>
<% end %>
```

13. Delete(Remove a dog from the database)

Goal: Remove a dog from the database

Contro ller— app/ con tro lle - rs/ dog s_c ont rol ler.rb, destroy method

```
   def destroy
       @dog = Dog.fi nd( par -
ams [:id])
        @do g.d estroy
        red ire ct_to dogs_path
   end
```

Show — vie ws/ dog s/s how.ht - ml.erb

```
<%= link_to 'Remove', @dog,
method: :delete, data: {
confirm: 'Are you sure?' } %>
```

(7).app/views/barangs/new.html.erb

7.**app/views/barangs/new.html.erb**

```
<h1 >Buat Data Barang </h 1>
<h3 >Create Barang </h 3>
<%= form_with model: @barangs do
|form| %>
    <%= form.t ext _field :sku,
placeh older: " sku " %>
    <%= form.t ext _field :nama,
placeh older: " nam a" %>
    <%= form.n umb er_ field
:kuant itas, placeh older: " -
kua nti tas " %>
    <%= form.n umb er_ field
:harga Beli, placeh older: " -
har gaB eli " %>
    <%= form.n umb er_ field
:harga Jual, placeh older: " -
har gaJ ual " %>
    <%= form.n umb er_ field
:profit, placeh older: " pro -
fit " %>
    <%= form.s ubmit %>
<% end %>
```

(8).app/views/barangs/show.html.erb

8.**app/views/barangs/show.html.erb**

```
<h1 >Lihat Barang </h 1>
<h1 ><%= @baran gs.sku %>< /h1>
<h4 ><%= @baran gs.nama %>
< /h4>
<h4 ><%= @baran gs.k ua ntitas
%>< /h4>
<h4 ><%= @baran gs.h ar gaBeli
%>< /h4>
<h4 ><%= @baran gs.h ar gaJual
%>< /h4>
<h4 ><%= @baran gs.p rofit %>
< /h4>
```

(9).lib/math_calculator.rb

9.**lib/math_calculator.rb**

```
class MathCa lcu lator
       def calcul ate Pro fit(a,
b)
           # whatever you need
to do here
            a.to_i - b.to_i
       end
   end
```


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