Week 4

- RESTful Routes
- Rails Models, Part 1
- View Partials and Layouts
- HTTP response formats
- Rails Resources

Agile Principles

Single Responsibility

Clear Intention

DRY

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Database-Backed Models

Director

```
class Director < ActiveRecord::Base
end
```

id	name
1	Steven Spielberg
2	Ron Howard
3	George Lucas

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Migrations

rails generate migration ....

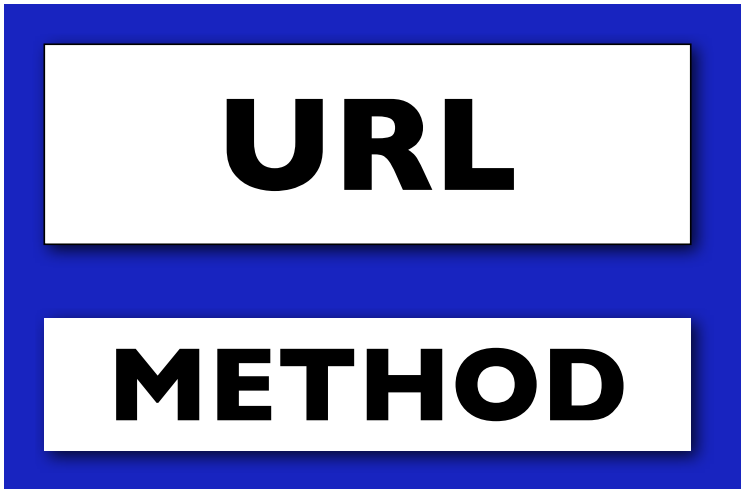
rake db:version

rake db:migrate:status

rake db:migrate

rake db:migrate:reset

RESTful Routes



GET POST PUT DELETE

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RESTful Routes

URL	VERB
/directors	GET
/directors	POST
/directors/1	GET
/directors/1	PUT
/directors/1	DELETE
/directors/new	GET
/directors/1/edit	GET

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RESTful Routes

URL	VERB	ACTION
/directors	GET	index
/directors	POST	create
/directors/1	GET	show
/directors/1	PUT	update
/directors/1	DELETE	destroy
/directors/new	GET	new
/directors/1/edit	GET	edit

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RESTful Routes

URL	VERB	ACTION	NAMED ROUTE EXAMPLE
/directors	GET	index	directors_url
/directors	POST	create	directors_url
/directors/1	GET	show	director_url(@director)
/directors/1	PUT	update	director_url(@director)
/directors/1	DELETE	destroy	director_url(@director)
/directors/new	GET	new	new_director_url
/directors/1/edit	GET	edit	edit_director_url(@director)

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Model-Backed Forms

form_for

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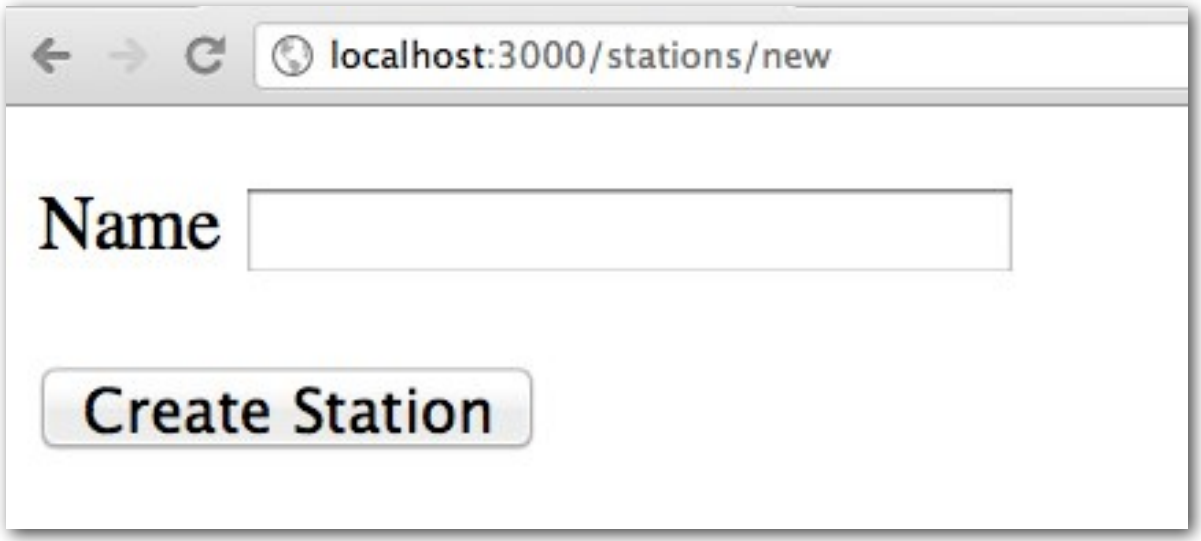
Model-Backed Forms



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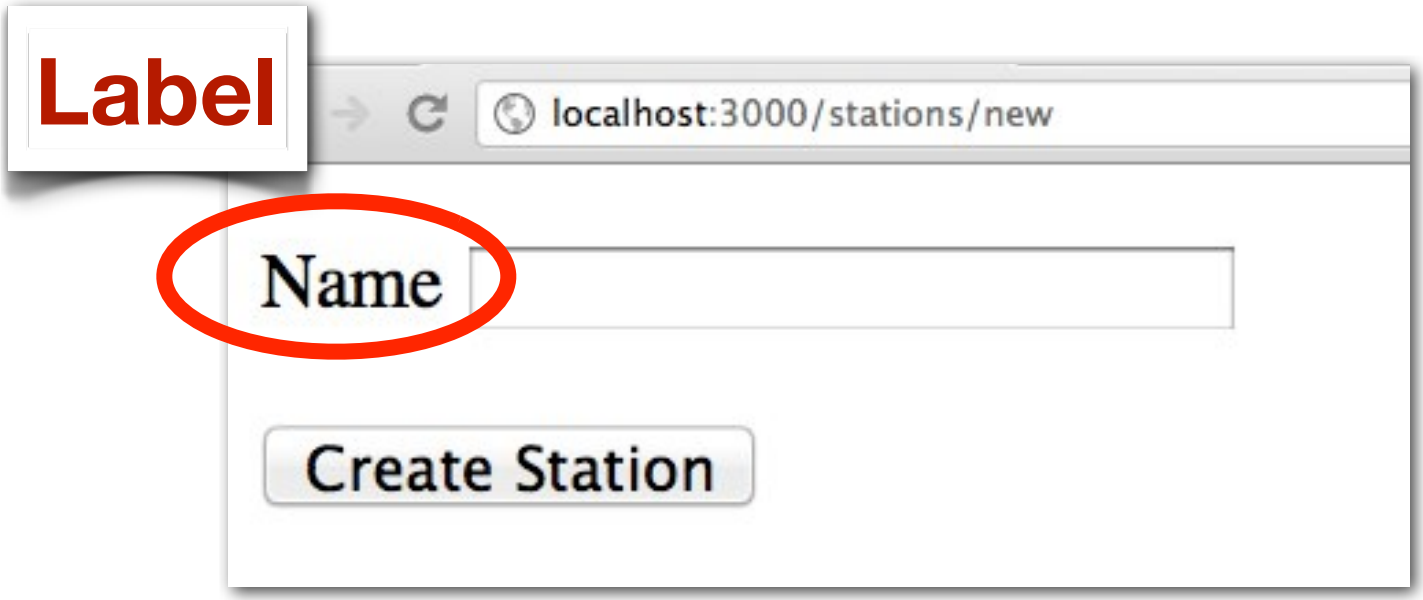
Model-Backed Forms



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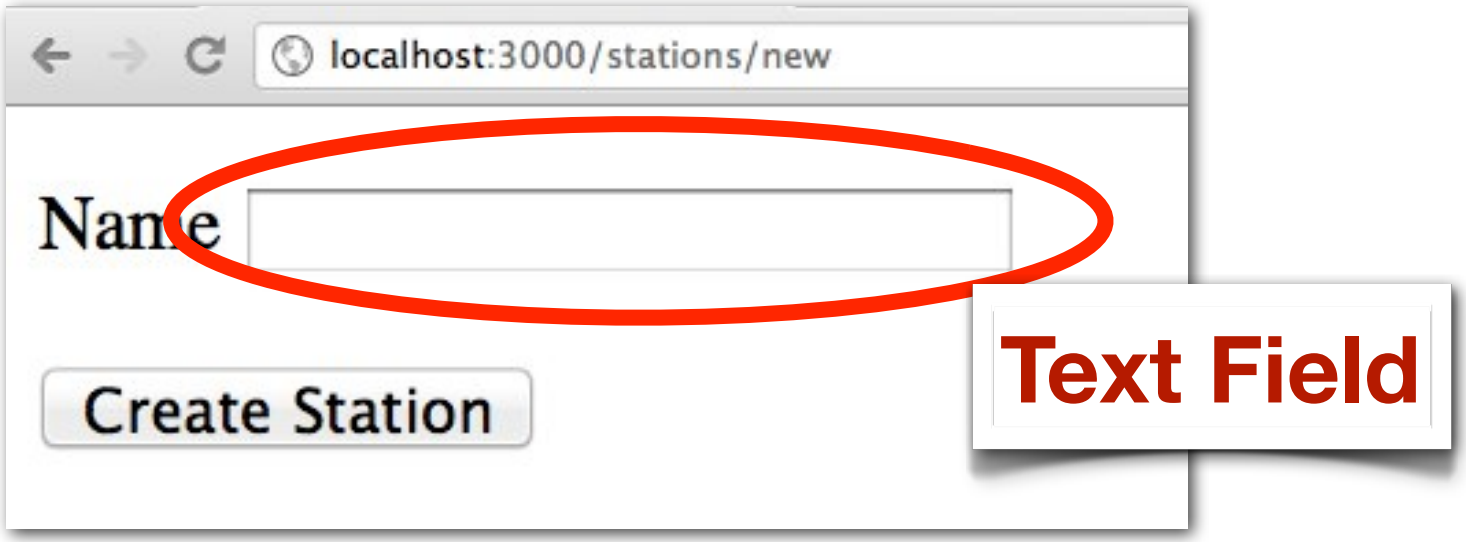
Model-Backed Forms



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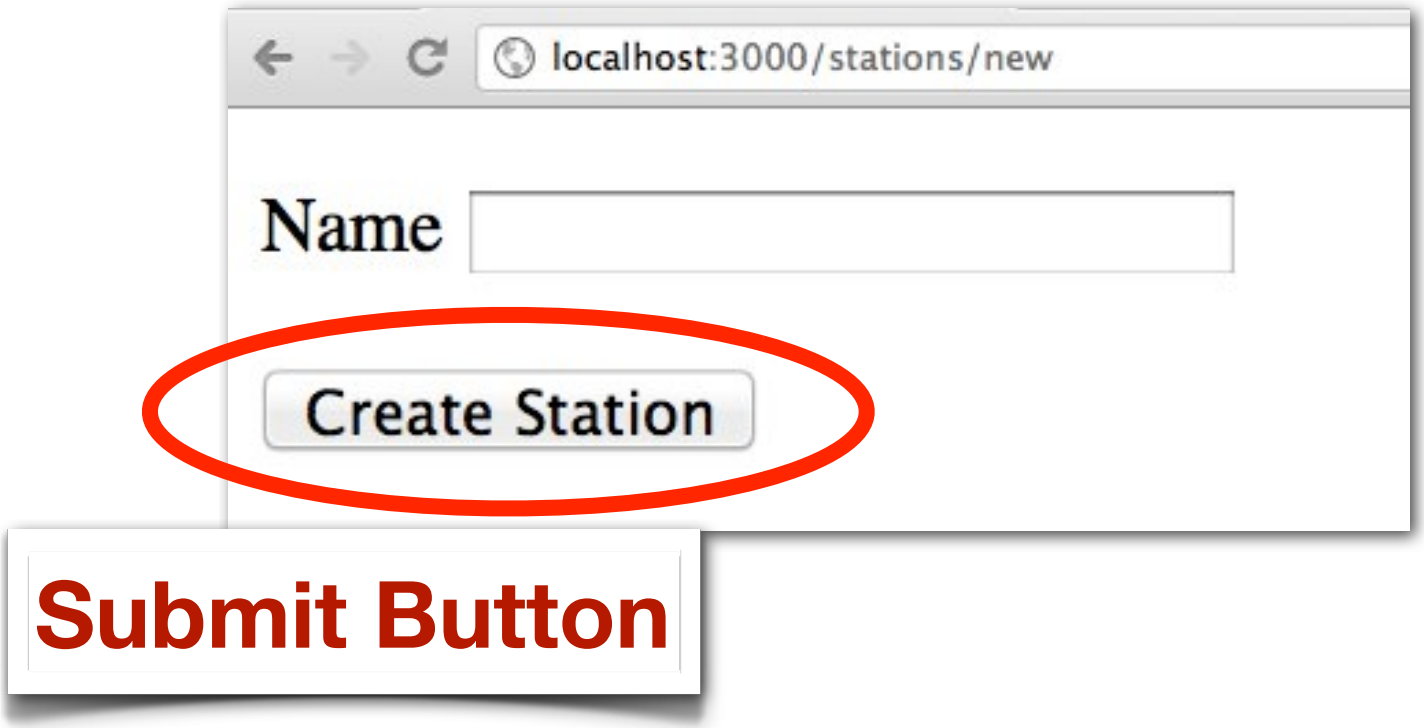
Model-Backed Forms



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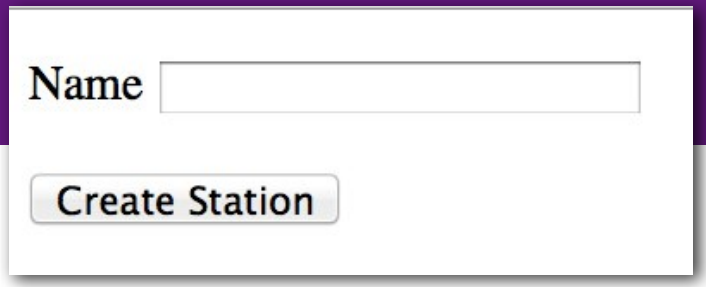
Model-Backed Forms




```
<%= form_for @station do |f| %>
```

This block variable helps you build a form for your model object

```
<% end %>
```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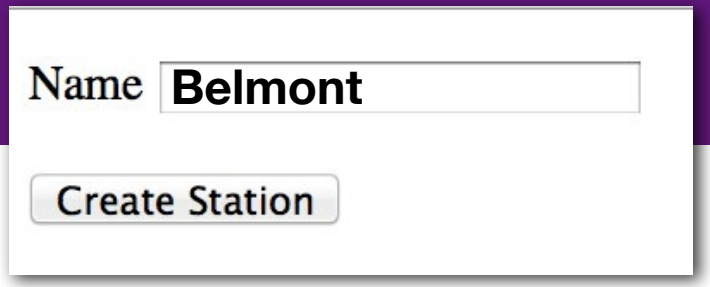
Model-Backed Forms




```
<%= form_for @station do |f| %>

  <p>
    <%= f.label :name %>
    <%= f.text_field :name %>
  </p>

  <p><%= f.submit %></p>

<% end %>
```

params

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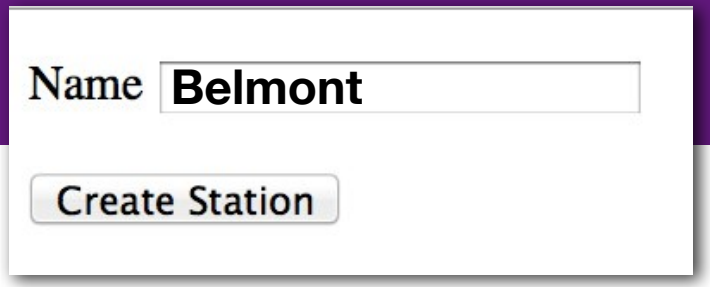
Model-Backed Forms




```
<%= form_for @station do |f| %>

  <p>
    <%= f.label :name %>
    <%= f.text_field :name %>
  </p>
```

```
{ "station" =>
        { "name" => "Belmont" }
```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Partials

Partials provide reusable markup that can be invoked from any main template or other partial.

Filenames for partial views must start with an underscore: _*form.html.erb*

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Partials

Inside a view, the render method can be used to invoke a partial or even automate it with a collection.

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