

In this lecture, we will discuss...

- ✧ How to scaffold resources quickly
- ✧ What Rails scaffolding gives you out of the box



Scaffolding

- ✧ Essentially a **code-generator** for **entities**
- ✧ Generates a **simple prototype** to work with...
- ✧ Lets you **get up and running** quickly

Great for learning Rails!

Scaffolding Generator

```
~$ cd fancy_cars/  
~/fancy_cars$ rails g scaffold car make color year:integer  
invoke active_record  
create db/migrate/20150907153643_create_cars.rb  
create app/models/car.rb  
invoke test_unit  
create test/models/car_test.rb  
create test/fixtures/cars.yml  
invoke resource_route  
route resources :cars  
invoke scaffold_controller  
create app/controllers/cars_controller.rb  
invoke erb  
create app/views/cars  
create app/views/cars/index.html.erb  
create app/views/cars/edit.html.erb  
create app/views/cars/show.html.erb  
create app/views/cars/new.html.erb  
create app/views/cars/_form.html.erb
```

rails new fancy_cars

Resource (model) and column
names and types

String assumed for type...



Applying Scaffolding to DB

```
~/fancy_cars$ rake db:migrate
== 20150907153643 CreateCars: migrating =====
-- create_table(:cars)
   -> 0.0010s
== 20150907153643 CreateCars: migrated (0.0011s)
```

NOTE: This is a **rake** task, but the scaffold generation is a **rails** generation

Apply scaffolding to the database,
a.k.a. migrate the DB.



*rails s or
rails server*

Scaffolding Demo

← localhost:3000/cars

Listing Cars

Make Color Year

[New Car](#)

← localhost:3000/cars/new

New Car

Make

Color

Year

[Back](#)

← localhost:3000/cars

Listing Cars

Make Color Year

Cadillac	Black	2014	Show	Edit	Destroy
Infiniti	Silver	2013	Show	Edit	Destroy
BMW	Blue	2015	Show	Edit	Destroy

[New Car](#)

Scaffolding – API also?

But wait...
there's more!



JSONView

Views JSON in the browser.

A screenshot of a web browser window. The address bar shows 'localhost:3000/cars.json'. The main content area displays a JSON array of three car objects. Each object has fields for 'id', 'make', 'color', 'year', and 'url'. The 'url' field in each object is a link to a specific JSON file (e.g., 'http://localhost:3000/cars/1.json'). The JSON is formatted with syntax highlighting and collapsible nodes (indicated by minus signs in the left margin).

```
[
  {
    id: 1,
    make: "Cadillac",
    color: "Black",
    year: 2014,
    url: http://localhost:3000/cars/1.json
  },
  {
    id: 2,
    make: "Infiniti",
    color: "Silver",
    year: 2013,
    url: http://localhost:3000/cars/2.json
  },
  {
    id: 3,
    make: "BMW",
    color: "Blue",
    year: 2015,
    url: http://localhost:3000/cars/3.json
  }
]
```

Scaffolding – Explaining the Magic

✧ Scaffolding creates:

1. *Migration*
2. *Model*
3. Routes
4. Controller with actions
5. Views



We'll be discussing these

And more...

Summary

- ✧ Scaffolding can get you up and running quickly
- ✧ Generates JSON response

What's Next?

- ✧ Database Setup

