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
                db/migrate/20150907153643_create_cars.rb
      create
      create
                app/models/car.rb
     invoke
               test_unit
                  test/models/car_test.rb
      create
                  test/fixtures/cars.yml
     create
                                                        names and types
     invoke resource_route
       route
                resources :cars
      invoke scaffold_controller
                app/controllers/cars_controller.rb
      create
     invoke
                                                                 String assumed for type...
                erb
                  app/views/cars
      create
      create
                  app/views/cars/index.html.erb
                  app/views/cars/edit.html.erb
      create
                  app/views/cars/show.html.erb
      create
      create
                  app/views/cars/new.html.erb
                  app/views/cars/_form.html.erb
      create
```



Applying Scaffolding to DB

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

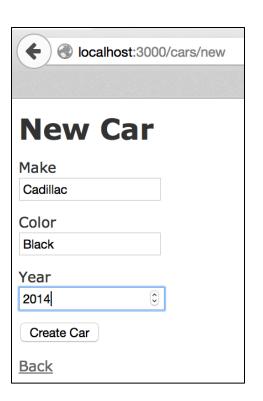
Apply scaffolding to the database, a.k.a. migrate the DB.

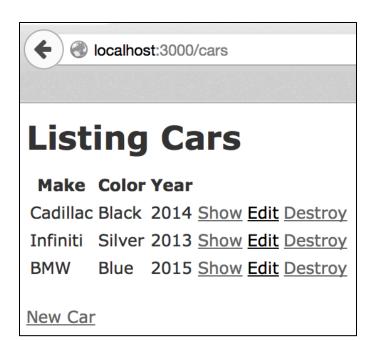


rails s or rails server

Scaffolding Demo









Scaffolding – API also?

But wait... there's more!



JSONView

Views JSON in the browser.

```
localhost:3000/cars.ison
▼ {
     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:
 - Migration ← _ ___
 - 2. Model ←

We'll be discussing these

- 3. Routes
- 4. Controller with actions
- 5. Views

And more...



Summary

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

What's Next?

♦ Database Setup

