In this lecture, we will discuss…

✧ Scaffolding

✧ Movie Rails Application Demo

Basic Steps

- ✦ > rails new movies

- ✦ > cd movies

- ✦ > gem 'mongoid', '~> 5.0.0'

- ✦ > bundle

- ✦ > rails g mongoid:config config/mongoid.yml

- ✦ > rails s

Custom Classes and methods

- ✧ `Measurement`

- ✧ `Point`

- ✧ `initialize` - normalized form -- independent of source formats

- ✧ `to_s` - useful in producing formatted output

- ✧ `mongoize` – creates a DB form of the instance

Custom Classes – more methods

✧ `self.demongoize(object)` - creates an instance of the class from the DB-form of the data

✧ `self.mongoize(object)` - takes in all forms of the object and produces a DB-friendly form

✧ `self.evolve(object)` - used by criteria to convert object to DB-friendly form

SCAFFOLDING

✧ Note: mongoid is the default model generator.

- To be explicit at command time, add the --orm mongoid option to the command line.

Place

✧ `Place` models a point and its descriptive address information.

```
$ rails g model Place formatted_address geolocation:Point street_number \
    street_name city postal_code county state country
```

Director

✧ `Director` models the detailed information of a movie director.

✧ `$ rails g model Director name`

DirectorRef

✧ `DirectorRef` is an annotated reference to a director that gets embedded into the `Movie`.

✧ `$ rails g model DirectorRef name`

Writer

✧ `Writer` holds the detailed information about the writer of a movie.

  - This class is directly associated with the movie without an annotated link.

✧ `$ rails g model Writer name`

Actor

- ✧ `Actor` contains the information details of an actor in a Movie.

- ✧ `$ rails g model Actor name birth_name date_of_birth:Date height:Measurement bio:text`

MovieRole

✧ `MovieRole` holds the role-specific information and relation between the Movie and Actor.

✧ `$ rails g model MovieRole character actor_name main:boolean url_character url_photo url_profile`

Movie

✧ `Movie` holds the core information about the movie, its properties, and supporting members.

```
1  $ rails g model Movie title type rated year:integer release_date:date \
2      runtime:Measurement votes:integer countries:array languages:array \
3      genres:array filming_locations:array metascore simple_plot:text \
4      plot:text url_imdb url_poster directors:array actors:array
```

Controller and View - Assembly

```
$ rails g scaffold_controller Movie title type rated year:integer \
    release_date:date runtime:integer votes:integer countries:array \
    languages:array genres:array filming_locations:array metascore \
    simple_plot:text plot:text url_imdb url_poster directors:array actors:array
```

Summary

✧ Scaffolding and Assembly

✧ Demo

What's Next?

✧ Web Services