

In this lecture, we will discuss...

✧ pluck

✧ scope

pluck

- ✧ Get all the **non nil** values for the provided field
- ✧ `Movie.all.pluck(:title)`
- ✧ Entire document is not returned
 - Selected fields at the database level using a projection.



Pluck - Example

✧ `Movie.where(:rated=>"PG").map {|movie|
 [movie.title, movie.release_date]}`

- Entire document is returned, grab 2 fields, rest is discarded

✧ `Movie.where(:rated=>"PG").pluck(:title,
 :release_date)`

- Projection → 2 fields only, entire document is not returned

✧ `Movie.where(:title.lt=>"A").pluck(:title)`



scope

- ✧ Scopes provide a convenient way to **reuse** common criteria with more business domain style syntax
- ✧ Named scope
- ✧ Default scope

named scope

- ✧ Named scopes are simply **criteria** defined at class load that are **referenced** by a provided name

```
class Movie
  .....
  field :year, type: Integer
  scope :current, ->{ where(:year.gt=>Date.current.year-2) }
end
```

- ✧ `Movie.current.where(:rated=>"R").pluck(:title, :year)`



default scope

- ✧ Default scopes can be useful when **applying the same criteria to most queries**, and you want something to be there by **default**
- ✧ Syntax :
 - `field :active, type: Boolean, default: true`



default scope

- ✧ Same criteria to most queries and something to be there by default

```
1 ▸ class Airline
2   include Mongoid::Document
3   field :name, type: String
4   field :active, type: Boolean, default: true
5
6   default_scope ->{ where(active: true) }
7 end
8
9 Airline.each do |airline|
10   # All airlines here are active.
11 end
```



default_scope

```
airlineUA = Airline.create(  
  name: "UNITED"  
)  
  
airlineLH = Airline.create(  
  name: "LUFTHANSA"  
)  
  
airlinePA = Airline.create(  
  name: "PANAM",  
  active: false  
)
```

✧ `Airline.all.count` = 2

- `SELECT * from airlines where active = true`

✧ `Airline.unscoped.all.count` = 3

- `SELECT * from airlines`

OR and in

✧ Union example with **in**:

- `Movie.where(:year.gt => 2014).in(title: ["The Martian"]).pluck(:plot)`

✧ **or** conditional operator

- `Movie.or({id: "tt3659388"}, {title: "The Martian"}).pluck(:plot)`

Summary

- ✧ `scope` – convenient way to reuse common criteria
- ✧ `pluck` – get all the non nil values for the provided field
- ✧ `in` and `or`

What's Next?

- ✧ Mongoid – Scaffold

