

# In this lecture, we will discuss...

- ✧ **M:M** - has\_and\_belongs\_to\_many
- ✧ Bi-Directional Relationship
- ✧ Demo



## References M-M : `has_and_belongs_to_many`

- ✧ Many to many relationships where the **inverse** documents are stored in a **separate** collection
- ✧ Both parent and child use Mongoid's `has_and_belongs_to_many` macro
- ✧ Foreign key IDs are stored as **arrays** on either side of the relation



# Relationships – Writer Model

```
class Writer
  include Mongoid::Document
  field :name, type: String
  embeds_one :hometown, as: :locatable, class_name: 'Place'
  ...
  has_and_belongs_to_many :movies
  ...
end
```



# Relationships – Movie Model

```
class Movie
  include Mongoid::Document
  field :title, type: String
  ...
  has_and_belongs_to_many :writers
  ...
end
```



DEMO

# Summary

- ✧ Both sides of the relation use the same macro

## What's Next?

- ✧ Constraints and Validations