

# **BACK END WEB DEVELOPMENT**

**CLASS 12- ASSOCIATIONS CONTINUED**

# AGENDA

- FULLY FUNCTIONAL MOVIE RESOURCE
- ADD SIMPLE FORM GEM
- ACTIVE RECORD: ASSOCIATIONS
- **LEARN - ACTIVE RECORD: VALIDATIONS**
- **LAB - MOVIE APP DEVELOPMENT**

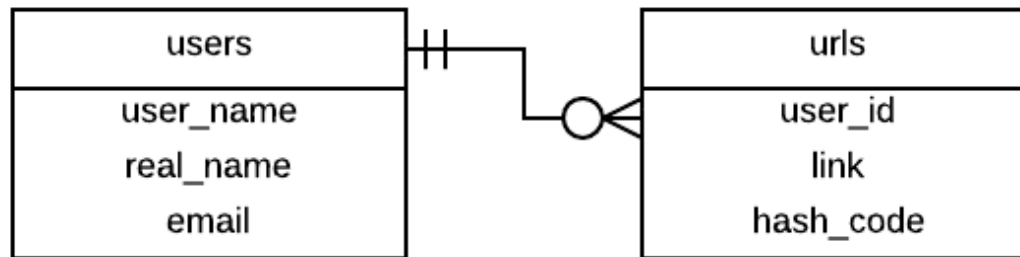
# VALIDATIONS

# ASSOCIATIONS

**ACTIVE RECORD: MODEL**

# ASSOCIATIONS: CONCEPT AND CODE

*An association using an entity-relationship diagram*



```
create_table "urls", force: true do |t|
  t.text      "link"
  t.string    "hash_code"
  t.integer   "user_id"
end

class Url < ActiveRecord::Base
  belongs_to :user
end

class User < ActiveRecord::Base
  has_many :urls
end
```

# ASSOCIATIONS: KEYS

```
class User < ActiveRecord::Base
  has_many :urls
end

class Url < ActiveRecord::Base
  belongs_to :user
end

user.id      # user primary key
url.id       # url primary key

url.user_id  # user foreign key
```

# ASSOCIATIONS: SIX TYPES

- **belongs\_to**
- **has\_many**
- **has\_one**
- **has\_and\_belongs\_to\_many**
- **has\_many :through**
- **has\_one :through**

# SCHEMA DESIGN

## RESOURCES

- Movie
- Reviews
- Actor \*
- Genre\*

## ASSOCIATIONS

- Movie has\_many actors
- Movie has\_many reviews
- [next class]
- [next class]

\* These will be covered reviewed next class



# MOVIE RESOURCE

Let's Complete - [Index, Create, Edit, Show]

**QUESTIONS?**

# VALIDATIONS

```
class User < ActiveRecord::Base

  validates_presence_of :email
  validates_uniqueness_of :email, {case_sensitive: false}

  before_save { |user| user.email = email.downcase }

end
```

[http://guides.rubyonrails.org/active\\_record\\_validations.html](http://guides.rubyonrails.org/active_record_validations.html)

# **MOVIE APP!**

**CODE ALONG & LAB TIME!**

# **PAIR UP!**

## **ASSOCIATIONS & VALIDATIONS**

# PAIR UP EXERCISE: MOVIE APP!

1. Finish what you didn't for homework!
2. Add Reviews to the mix (you choose the approach)
3. Add at least one validation to each model

RESOURCE:

[http://guides.rubyonrails.org/association\\_basics.htm](http://guides.rubyonrails.org/association_basics.htm)