In this lecture, we will discuss…

✧ Model mixin

✧ `Scaffold` command

✧ Helpers

ActiveModel::Model Mixin Behavior

```ruby
class Zip
  include ActiveModel::Model
...
  def persisted?
    !@id.nil?
  end
  def created_at
    nil
  end
  def updated_at
    nil
  end
```

✧ Check to see if a primary key has been assigned

✧ JSON marshalling will also expect a created_at and updated_at by default

scaffold command

```
$ rails g scaffold_controller Zip id city state population:integer
      create  app/controllers/zips_controller.rb
      invoke  erb
      create    app/views/zips
      create    app/views/zips/index.html.erb
      create    app/views/zips/edit.html.erb
      create    app/views/zips/show.html.erb
      create    app/views/zips/new.html.erb
      create    app/views/zips/_form.html.erb
      invoke  test_unit
      create    test/controllers/zips_controller_test.rb
      invoke  helper
      create    app/helpers/zips_helper.rb
      invoke    test_unit
      invoke  jbuilder
      create    app/views/zips/index.json.jbuilder
      create    app/views/zips/show.json.jbuilder
```

Helpers

```ruby
module ZipsHelper
  def toZip(value)
    #change value to a Zip if not already a Zip
    return value.is_a?(Zip) ? value : Zip.new(value)
  end
end
```

✧ `app/helpers/zips_helper.rb` - method will convert a Mongo document to a Ruby class instance

```erb
<% @zips.each do |zip| %>
  <% zip=toZip(zip) %>
```

`app/views/zips/index.html.erb`

Summary

✧ Scaffold command

What's Next?

✧ MVC Demo and Pagination