

TVShows

A Web Application Walkthrough

大綱

- 管理電視節目的軟體 - 功能操作
- 各樣用到的技術討論

用到的技術

- Fixtures
- Multi-OpenID
- Active Scaffold
- Resources
- Named Scope

multi-OpenID

- no “yet another” login/password
- users no worry about your site
- multiple IDs so you can login if other site goes down
- download a pre-made package
- tutorial here

使用者管理

- walkthrough:

 - Controllers > sessions_controller.rb

- include UserOpenidsHelper

- models > showtime.rb

 - current_user

- alerts_controller.rb

 - before_filter :login_required

tables used

showtimes: id, start_at, end_at, show_id, channel_id
alerts: id, user_id, show_id
ignores: id, user_id, show_id
notes: id, user_id, show_id
users: id,
shows: id, title
channels: id, channel, name
watchwords: id, user_id, word

Fixtures

- Don't have to deal with id
- has_many and belongs_to
- shows, showtimes, channel
- rake db:fixtures:load

Active Scaffold

```
active_scaffold :ignore do |config|
  config.label = "Ignored Movies"
  config.columns = [:show]
  config.columns[:show].search_sql = 'shows.title'
  config.search.columns << :show
  config.actions.exclude :create, :update, :show
  list.sorting = {:show => 'ASC'}
end
```


resources

Method	URL path	Action	Helper
GET	/articles	index	articles_url
POST	/articles	create	articles_url
GET	/articles/new	new	new_article_url
GET	/articles/1	show	article_url(:id => 1)
PUT	/articles/1	update	article_url(:id => 1)
GET	/articles/1;edit	edit	edit_article_url(:id => 1)
DELETE	/articles/1	destroy	article_url(:id => 1)

resources

- no other methods allowed
- Get: views > layouts > application.rhtml
- views > home > _showtime.html.erb
- link_to_remote "add"
- link_to_remote "remove"

scope and data validation

```
validates_uniqueness_of :show_id,  
  :scope => "user_id",  
  :message => "has already been added"
```

named scope

- acts like data filter
- models > showtime.rb
- controllers > home_controller.rb
 - @notes = Showtime.preferred.in_notes
- lambda args.first

group by day

- show how grouping works first
- `home_controller.rb` > `index` method
- 顯示在 `views > home > index.rhtml`

partials

- show the repeating partial first
- views > home > index.html
- views > home > _showtime.html.erb
 - passing in variable for evaluation

Time Calculation

- `views > home > _showtime.html.erb`
- `hours, mins, secs, ignore_fractions =
Date::day_fraction_to_time(diff)`
- `<%= hours.to_s %> hours`

Walkthrough

- `home_controller > scan_for_watchwords`
- `application.rb > add_watchword_to_alert,`
`watchwords_controller.rb`