

Who Uses Rails?

Twitter

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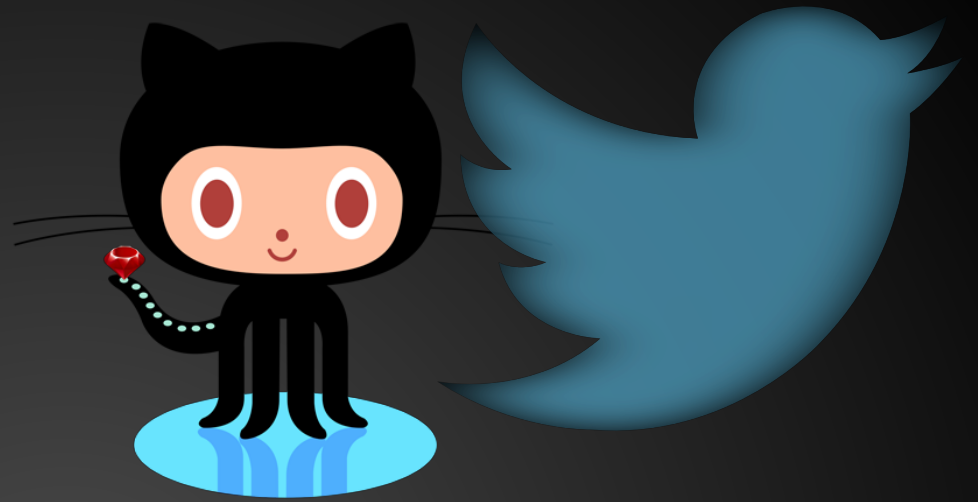
Hulu

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Seeking Alpha

SoundCloud

Urban Dictionary



Seeking Alpha α

URBAN
DICTIONARY

hulu



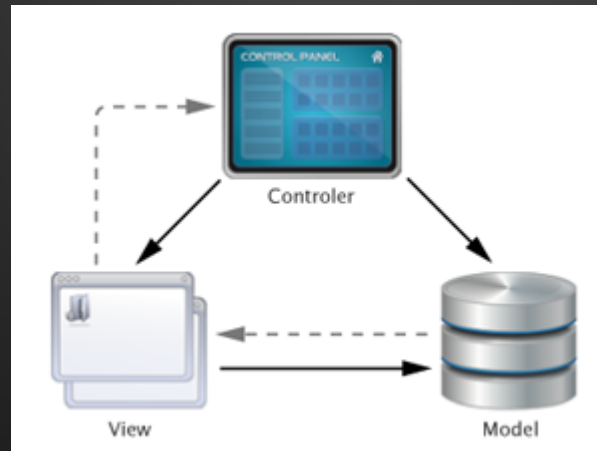
SOUNDCLOUD

Ruby On Rails

- Convention Over Configuration
- Don't Repeat Yourself
- MVC

MVC

- Models represent data.
- Views represent user interface.
- Controllers connect models and views.



Don't Repeat Yourself

Single, authoritative, unambiguous

Convention Over Configuration

Only specify unconventional aspects of app

Active Record Pattern

- Table is wrapped into a class.
- Instance of an object is a row.
- Logic and Data are a unified package.

How does it work?

Components of Rails

- Action Pack
- Action Mailer
- Active Model
- Active Record
- Active Resource
- Active Support

Action Controller

- Processes requests
- Extracts Parameters
- Dispatches to intended action

Action View

```
<% if not grade.grade.blank? %>
  <%= link_to "Delete Grade", assignment_grade_path(assign
ment, :page => "Course"), confirm:"Are you sure you want to delete your grade?", method:
:delete, :class => "btn btn-danger" %>
<% end %>
```

```
<a href="/assignments/468/grades/41?page=Course" class="btn btn-danger " data-
confirm="Are you sure you want to delete your grade?" data-method="delete" rel="
nofollow">Delete Grade</a>
```

Action Dispatch

Handles routing

Action Mailer

Handles e-mail

Active Model

Provides interface between action pack and Object Relationship Mapping gems such as Active Record

Active Record

- Base for models
- Allows for database independence
- Basic CRUD functionality
- Advanced Finding Capabilities
- Relational

```
upcoming_assignments = self.assignments
  .where("due_date >= ? AND
        assignments.id NOT IN (
          SELECT DISTINCT(assignment_id) FROM grades WHERE
          user_id = #{user.id} AND
          grade IS NOT NULL
        )", Date.today)
  .order("due_date")
  .limit(num_assignments)
```


The 30 Minute Cookbook

Starring Ruby on Rails

Cookbook < BareGrades

- Different Purposes, Similar Elements
- Demonstrates MVC
- Do-Able in 30 minutes

References

[Ruby on Rails](#)

[Rails 3 Screencasts](#)

[Rails for Zombies](#)

Questions

- MVC Framework
- Cookbook Creation
- References