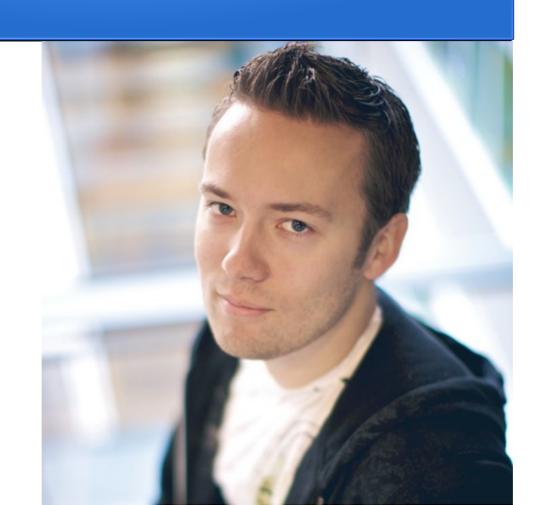# RubyOnRails

A web-application framework that includes everything needed to create database-backed web applications according to the Model-View-Controller(MVC) pattern.

magician

David Heinemeier Hansson - DHH

MVC

Model-View-Controller

Philosophy 1

DRY
(Don't Repeat Yourself)

"Every piece of knowledge must have a single, unambiguous, authoritative representation within a system."

Philosophy 2

Convention Over Configuration

Router

Routing decides which controller receives which requests

Verbs

GET
POST
PUT/PATCH
DELETE

CRUD

Create

Read

Update

Delete

Resources

resources :photos

HTTP Verb	Path	Controller#Action	Used for
GET	/photos	photos#index	display a list of all photos
GET	/photos/new	photos#new	return an HTML form for creating a new photo
POST	/photos	photos#create	create a new photo
GET	/photos/:id	photos#show	display a specific photo
GET	/photos /:id/edit	photos#edit	return an HTML form for editing a photo
PATCH/PUT	/photos/:id	photos#update	update a specific photo
DELETE	/photos/:id	photos#destroy	delete a specific photo

Controller

A controller's purpose is to receive specific requests for the application

action/method

Each action's purpose is to collect information to provide it to a view.

Model

Active Record is smart enough to automatically map column names to model attributes, which means you don't have to declare attributes inside Rails models, as that will be done automatically by Active Record.

Model - association

One-to-one
One-to-many
Many-to-many

View

A view's purpose is to display this information in a human readable format.

ERB – Embedded Ruby

<% %> Evaluated

<%= %>   Display

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