

# Building a Web 2.0 Web Site with ASP.NET

...without Web Forms

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# Agenda

- Brief Overview of Web 2.0
- Easy Web Graphics with Paint.NET
- Web Forms and Web 2.0
- The Castle Project
- Unobtrusive JavaScript with jQuery
- Location, Location, Location
- Tagging
- RSS
- Other Web 2.0 Goodies

# Web 2.0 Overview

- Term first coined (and later trademarked) by Tim O'Reilly
- Blanket term describing a set of common features
  - User generated content
  - AJAX
  - Social networking
  - APIs and mashups
  - SEO and AdSense

# Paint.NET

- Found at <http://www.getpaint.net/>
  - Written almost entirely in C#
  - Started out as a college project
- Gradients
  - Backgrounds for block elements
  - Backgrounds on form elements
- Shiny glass orbs
- Reflected logos

# ASP.NET and Web 2.0

- Web Forms
  - Server controls produce poor HTML markup
  - ViewState can make a page really fat
  - Very obtrusive JavaScript

# The Castle Project - Briefly

- <http://www.castleproject.org>
- ActiveRecord
  - Implementation of ActiveRecord pattern
  - Layer on top of NHibernate ORM
- Monorail
  - ASP.NET MVC framework
  - Offers several templating engines for views
  - Doesn't influence markup
  - Modeled after Action Pack from RoR world

# Unobtrusive JavaScript with jQuery

- [www.jquery.com](http://www.jquery.com)
- [www.visualjquery.com](http://www.visualjquery.com)
- JavaScript should interact with, but not interfere with HTML
- jQuery offers support for many common JavaScript tasks
  - DOM traversing
  - Event binding
  - AJAX
  - Effects (animations, drag n' drop, etc...)
  - Many plugins available (validation, maps, etc.)

# Location, Location, Location

- Open source support for location data and algorithms
- Users love maps
- Several mapping APIs (Google, Microsoft, Yahoo!, etc.)
- jQuery has a mapping plugin, but limited API support
- Mapstraction offers a common interface to several APIs
  - Changing map providers is simple (2 lines)
  - [www.mapstraction.com](http://www.mapstraction.com)

# Tagging

- Let users categorize user created content (folksonomy)
- Tagging Data Model
- Tag Clouds
- References
  - <http://www.pui.ch/phred/archives/2005/04/tags-database-schemas.html>
  - [http://en.wikipedia.org/wiki/Tag\\_%28metadata%29](http://en.wikipedia.org/wiki/Tag_%28metadata%29)

# Other Goodies

- Google Analytics - <http://www.google.com/analytics>
- CVSDude - <http://www.cvsdude.com>
- SlickRun - <http://bayden.com/SlickRun/>