

Ruby on Rails: A Jumpstart for .NET Developers

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About this course

- **Intended for existing developers**
 - Familiar with .NET (C#, VB.NET)
 - Familiar with ASP.NET (WebForms, MVC)
- **Not a comprehensive introduction to Ruby or Rails**
- **Designed to get you up and running quickly**
- **Did he just do that?!**

What's covered

- **Installing Ruby, Rails and other required libraries**
- **Ruby 101**
- **ActiveRecord for Dummies**
- **Rails via example blog site**

Foolish assumptions

- **You have written code before**
- **You're familiar with OOP basics**
- **You want to skip boring stuff**
- **You've already done some web projects**
- **You've never written Ruby**
- **You don't know what Rails is**

What is Ruby?

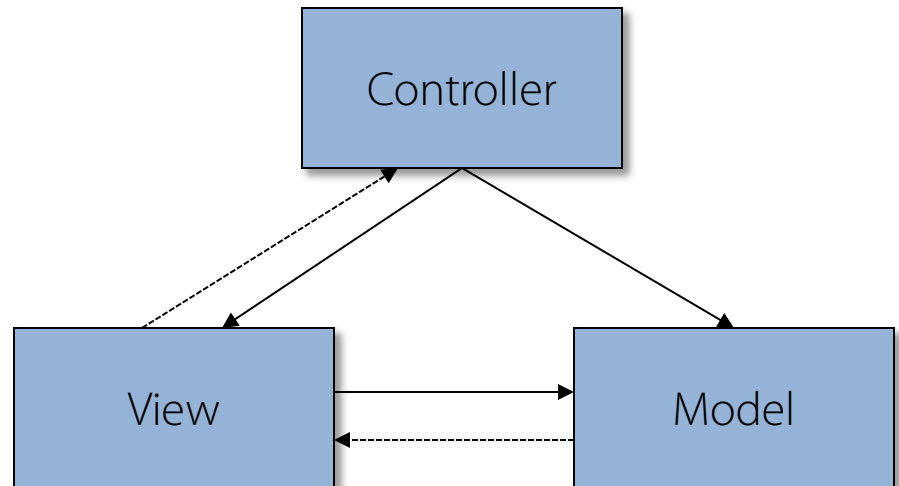
- General purpose OO programming language
- Developed around 1995
- Was one of the fastest growing languages
- Considered multi-paradigm
- Inspired by other languages like SmallTalk, Perl & Lisp
- Programmer friendly with a focus on productivity
- Older than C# and just as old as Java
- Worth knowing independently from Rails

What is Rails?

- **Ruby on Rails**
 - Spoken as, “Rails”
 - Written as, “RoR”
- **Introduced in 2005**
- **May have made Ruby famous**
- **Highly productive, full stack framework**
- **Intends to simplify creating, deploying & maintaining web apps**
- **Rails is prescriptive**
- **Uses MVC architectural pattern**

MVC

- **Model-View-Controller: architectural pattern**
- **Models represent data**
- **Views represent the user interface**
- **Controllers are coordinators**
- **Separates concerns**

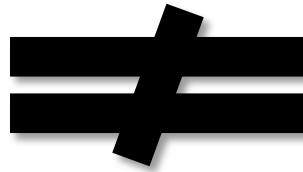


Ruby vs .NET

- Ruby is interpreted
- Ruby is a dynamic language
- Everything is an object
- If it walks like a duck...
- Every line is an expression
- Case sensitive
 - Convention via casing
- Cross platform

Rails vs WebForms

- Both are web frameworks



Rails vs WebForms

- **ASP.NET is a proprietary solution from Microsoft**
- **Rails is an open source solution**
- **Different types of developers**
- **ASP.NET mimics desktop style development**
- **Rails takes an approach natural to the web**
- **Potentially better performance from ASP.NET**

Rails vs MVC

- **ASP.NET often considered a clone of Rails**
- **Rails most likely influenced ASP.NET MVC**
- **Both use the Model-View-Controller architecture**
- **Rails comes with a full stack**

Included packages

- **Action Pack**
 - Action Controller
 - Action View
 - Action Dispatch
- **Active Model**
- **Active Record**
- **Active Resource**
- **Active Support**
- **Active Mailer**

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Summary

- **Ruby is a dynamic language**
 - Scripts are parsed and executed line-by-line
- **Rails is a web application framework**
 - Designed for high productivity
 - Comes with a full stack
- **Rails uses MVC architecture**
- **Rails is completely different from WebForms**
- **Rails has a prescriptive nature**
- **Ruby is very much worth learning independently from Rails**