

Web Development with ASP.NET MVC, Entity Framework Code First, HTML5, and jQuery

Dan Wahlin

pluralsight
hardcore developer training



Contact Info



Blog

<http://weblogs.asp.net/dwahlin>



Twitter

@DanWahlin



Related Pluralsight Courses

- **My Courses:**

- jQuery Fundamentals
- Structuring JavaScript Code

- **Additional Courses:**

- Entity Framework 4.1 - Code First
- Introduction to ASP.NET MVC3
- Using HTML5 and CSS3
- HTML5 Fundamentals



The Account at a Glance Application

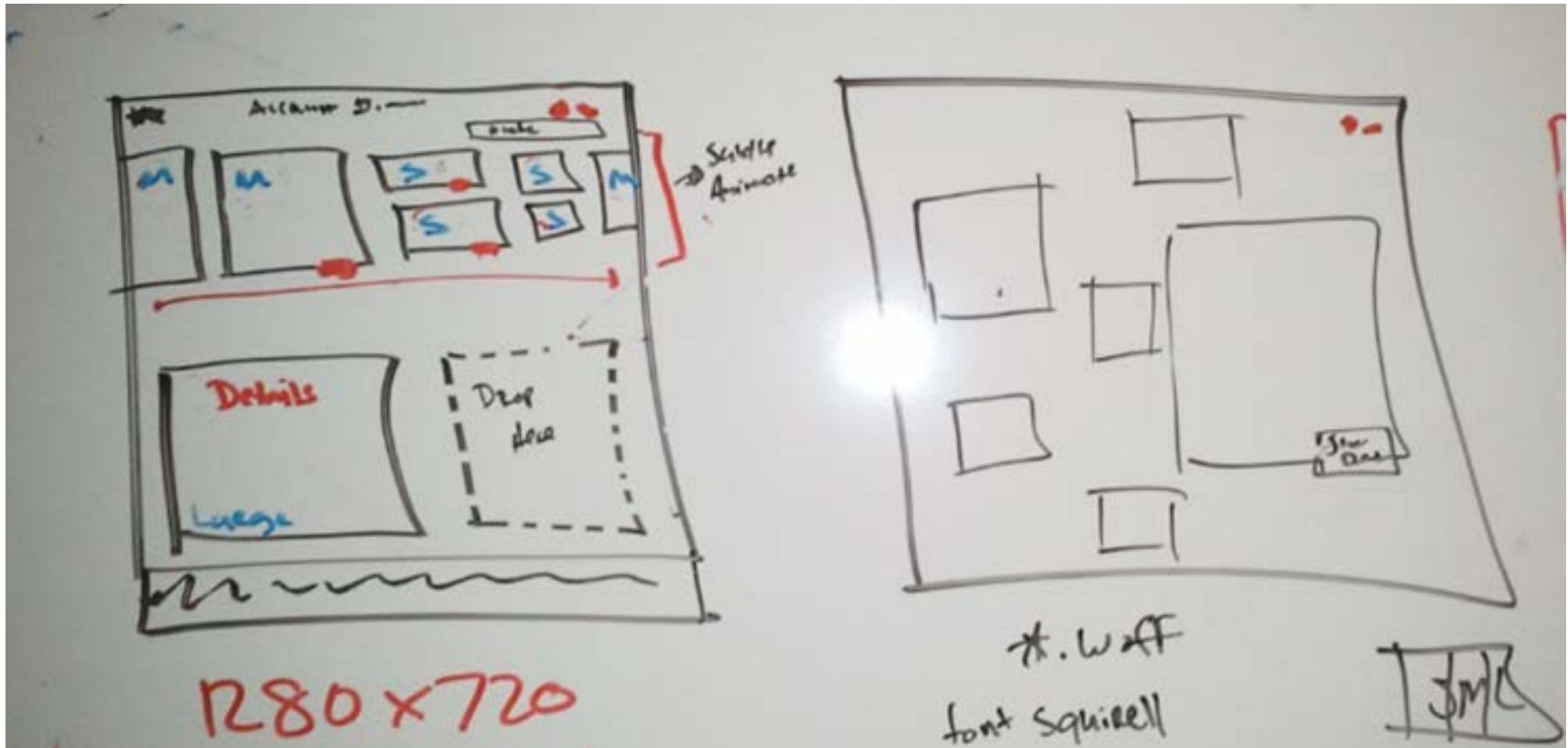


Agenda

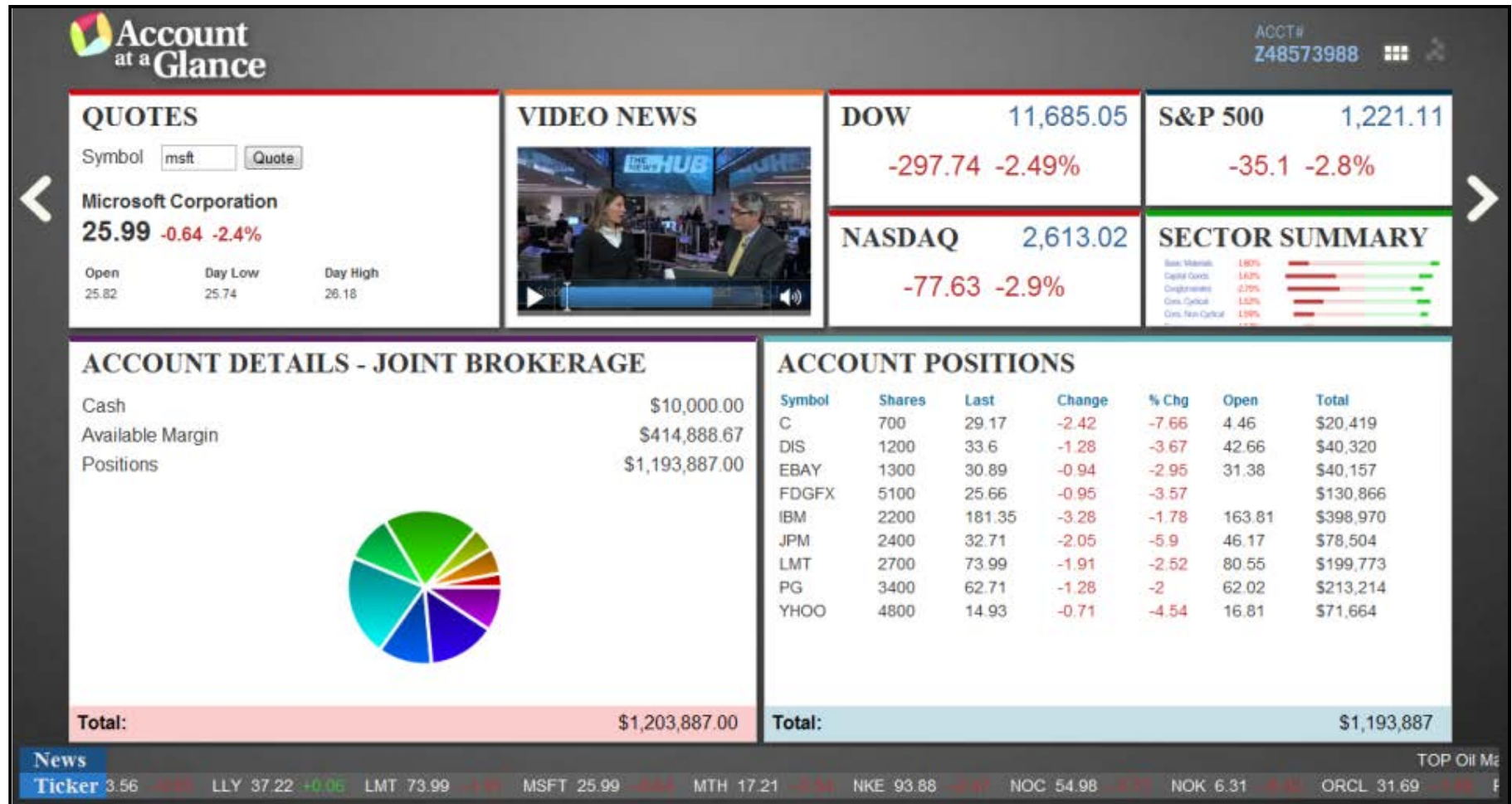
- **Introducing the Account at a Glance Application**
- **Application Technologies**
- **Project Structure**



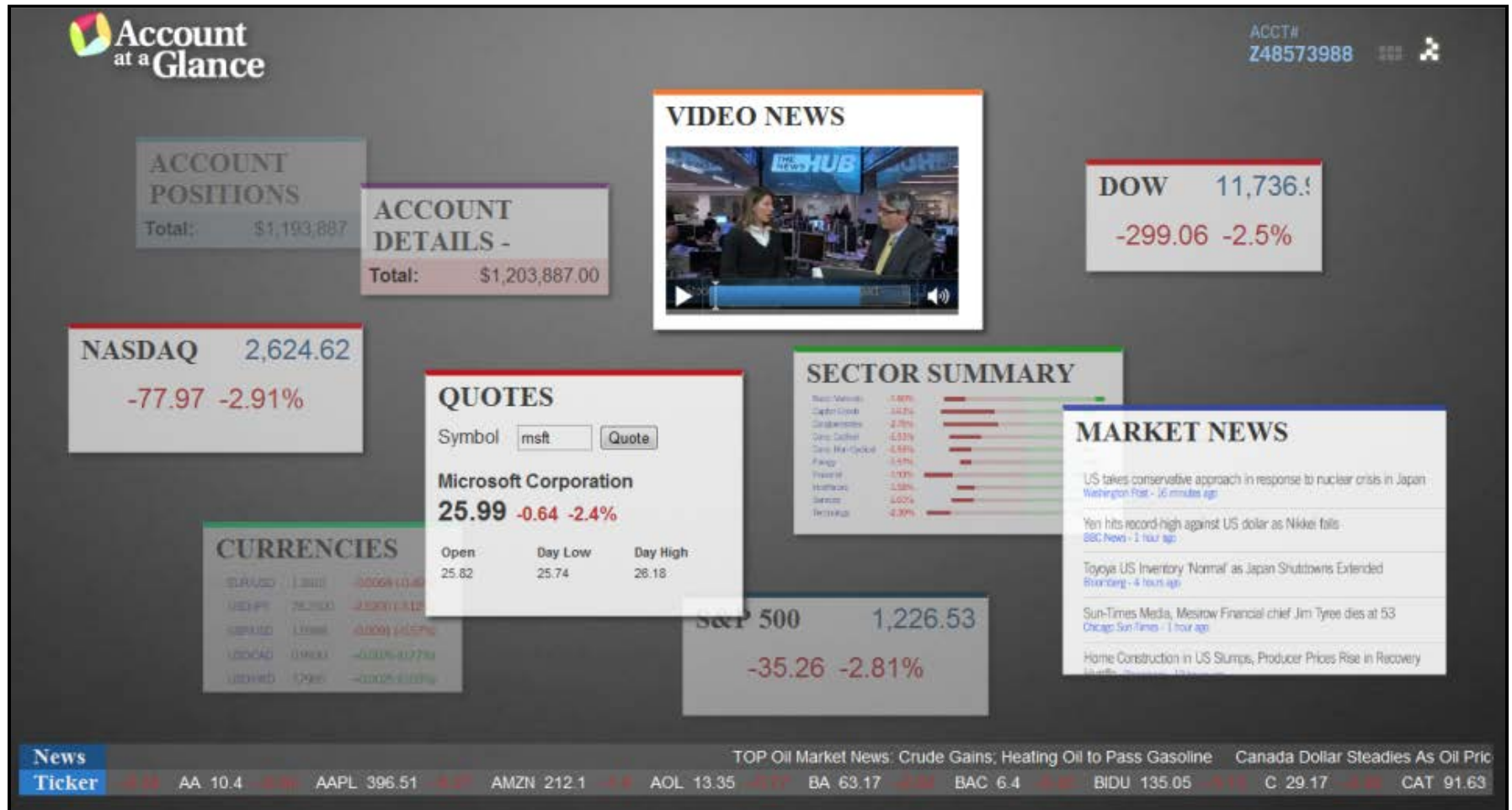
The Initial Application Concept



The Account at a Glance Application

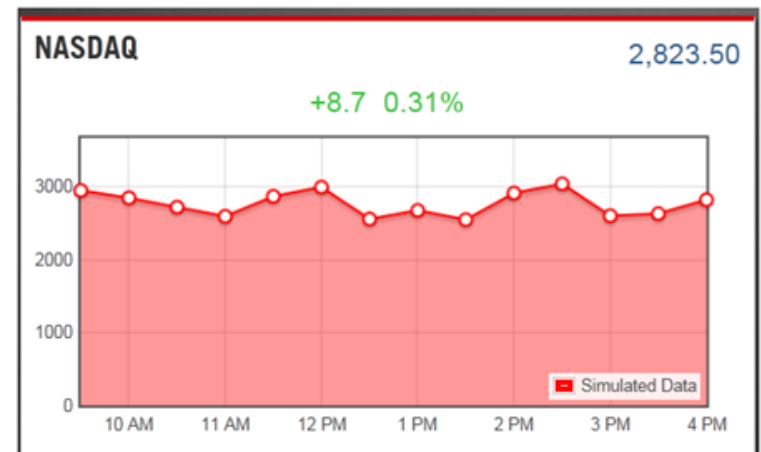
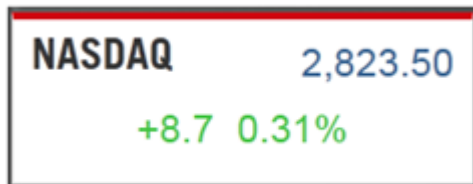


Quick Glance View



Key Application Features

- Multiple data views
- Drag and drop tiles
- Context-aware tiles
- Ajax-enabled



Development Team

- **Development team:**

- Corey Schuman – Design and front-end coding
- Jarod Ferguson – Front-end coding
- John Papa – EF Code First coding
- Dan Wahlin – Front-end/MVC/back-end coding



Agenda

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Application Technologies

Client-Side Technologies

HTML5

Modernizr

HTML5 Boilerplate

jQuery

Canvas

SVG

CSS3

JavaScript Patterns



Application Technologies (cont..)

Server-Side Technologies

JSON and Ajax

ASP.NET MVC

Entity Framework Code First

Repository Pattern

C#

Unity IoC Container

SQL Server

Nuget

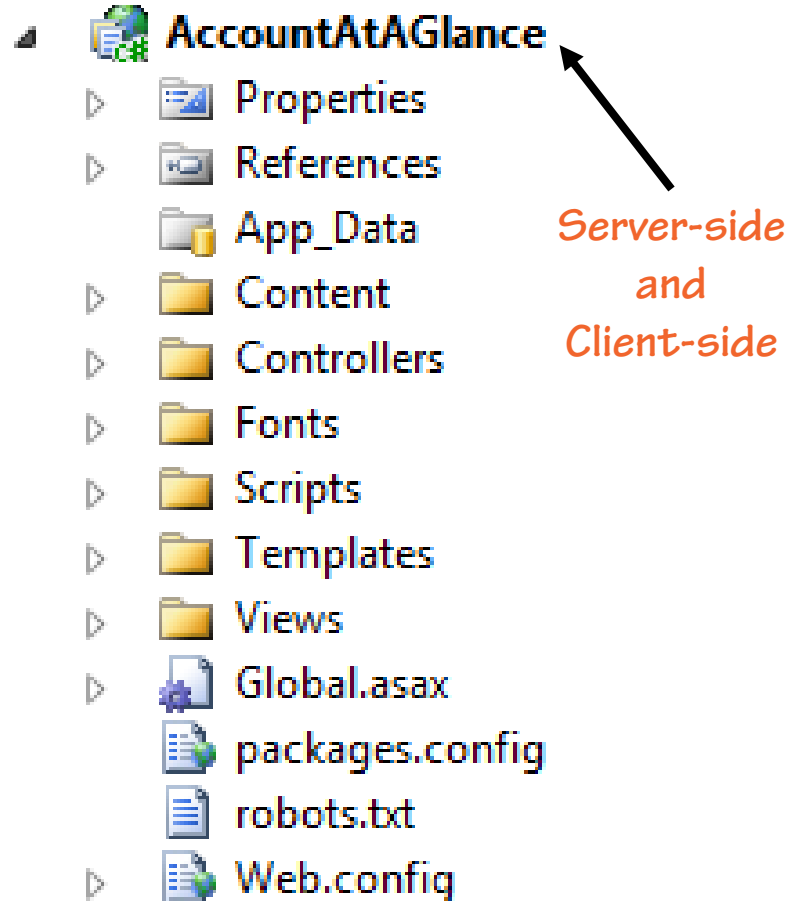


Agenda

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Web Project Structure



Model and Repository Project Structure

AccountAtAGlance.Model

- Properties
- References
- BrokerageAccount.cs
- Customer.cs
- DataPoint.cs
- Exchange.cs
- MarketIndex.cs
- MarketQuotes.cs
- MutualFund.cs
- OperationStatus.cs
- Order.cs
- OrderType.cs
- Position.cs
- Security.cs
- Stock.cs
- TickerQuote.cs
- WatchList.cs

Model Classes

AccountAtAGlance.Repository

- Properties
- References
- Helpers
- AccountAtAGlance.cs
- AccountRepository.cs
- App.Config
- IAccountRepository.cs
- IMarketsAndNewsRepository.cs
- ISecurityRepository.cs
- MarketsAndNewsRepository.cs
- ModelContainer.cs
- packages.config
- RepositoryBase.cs
- SecurityRepository.cs

Data Repository
Classes



Summary

- **Account at a Glance provides a flexible way to look at financial data**
- **Application demonstrates integrating several client-side and server-side technologies**
 - HTML5
 - JavaScript
 - ASP.NET MVC
 - Entity Framework Code First
- **Visual Studio solution contains 3 projects**

