INFRAGISTICS

DESIGN / DEVELOP / EXPERIENCE

Build HTML5 apps that look and perform better than anything else on the market today!

ABHISHEK NARAIN

Technical Evangelist / Infragistics / anarain@infragistics.com
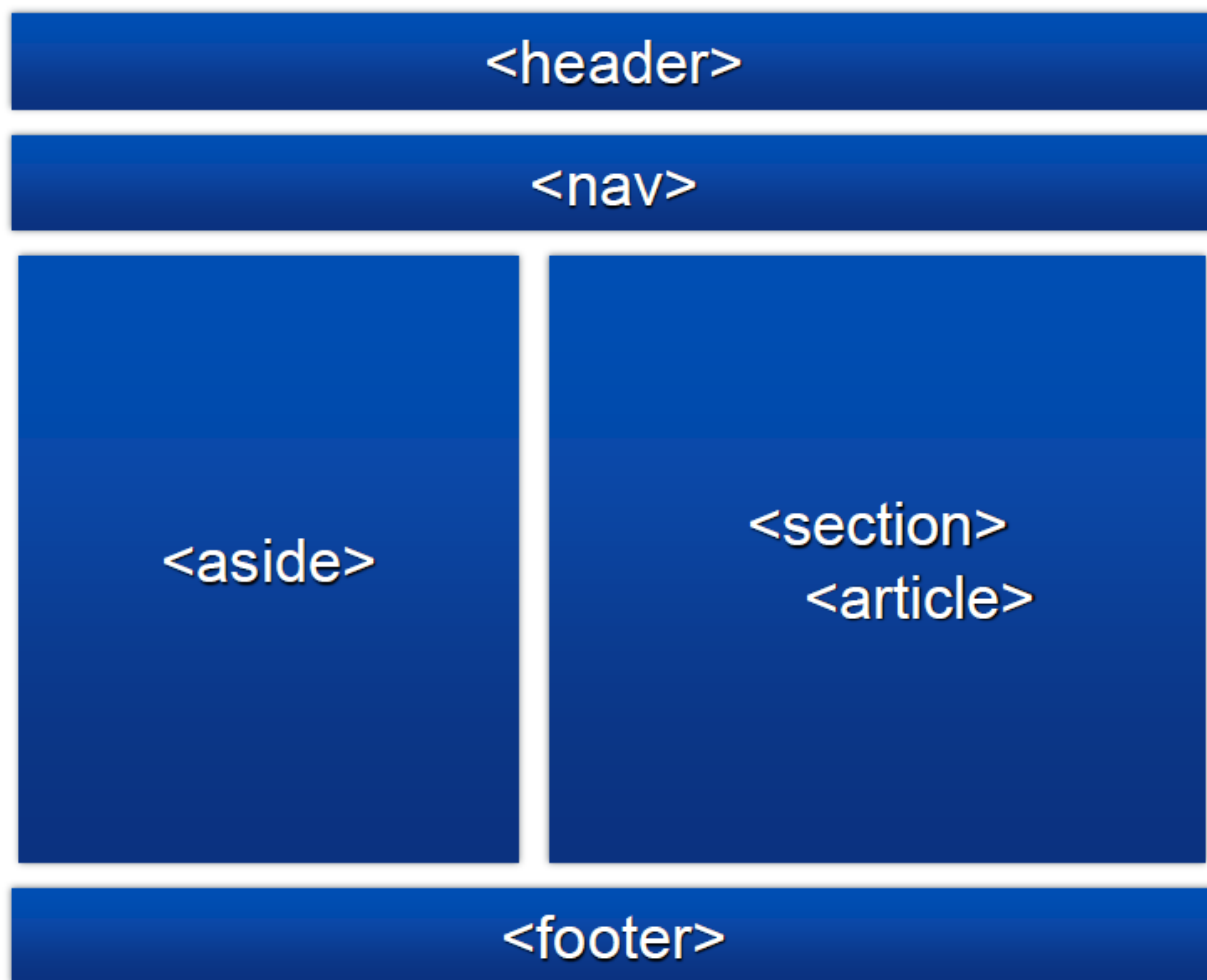
@narainabhishek on twitter

facebook.com/InfragisticsIndia

NetAdvantage for jQuery
jQuery / HTML5
stylability / ease of use / performance excellence

Agenda

- What is HTML5 and jQuery

- Cover controls and features in 12.1 JQUERY

- Demo

- Show online resources for new features

- Q & A and Wrap-up

HTML Tags

<div id="header">

<div id="nav">

<div id="sidebar">

<div id="article">

<div id="footer">

New Semantic HTML Tags

<header>

<nav>

<aside>

<section>
<article>

<footer>

HTML5 <video> : Degrading Gracefully
Multiple video sources to support multiple browsers

```html
<video src="video.mp4" poster="movie.jpg"
     height="480" width="640"
     autoplay autobuffer controls loop>
  <source src="video.webm"
      type='video/webm; codecs="vp8, vorbis"' />
  <source src="video.mp4" />

<!-- Flash/Silverlight video here -->

<object  type="application/x-silverlight-2" width="640" height="384">
     <param name="source" value="/resources/VideoPlayer10_01_18.xap"></param>
     <param name="initParams"
value="m=http://mysite.com/video.mp4,autostart=true,autohide=true></param>
     <param name="background" value="#00FFFFFF"></param>
     <param name="x-allowscriptaccess" value="never"></param>
     <param name="allowScriptAccess" value="never" />
     <param name="wmode" value="opaque" />
   </object>

</video>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">


<head>
        <meta http-equiv="Content-Type" content="text/html;
charset=utf-8" />
        <title>Untitled Page</title>
        <link rel="stylesheet" type="text/css" href="styles.css" />
</head>
<body>
        <p>Hello World!</p>
</body></html>
```

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Demo Time!

Let's check out some samples and some online references / resources!

Take Away

- ***Avoid browser detection***
  - Browsers change
  - Varying levels of feature support across all major browsers
- ***Use feature detection***
  - Check for the feature you want to use
  - Detect for standards first
- ***Use Modernizr – http://modernizr.com***
  - Cleaner code & they've done the work for you
- ***Polyfills and Shims***
  - mimics a standard API to avoid a rewrite

jQuery ???

jQuery is a new kind of JavaScript Library.

jQuery is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. jQuery is designed to change the way that you write JavaScript.

✔ Lightweight Footprint   ✔ CSS3 Compliant   ✔ Cross-browser

What is NetAdvantage for jQuery?

- **Standards Based Approach to Web Development**
- Pure Client-Side Performance
- jQuery Core + jQuery Mobile Library
- Theme Roller Support
- CSS3 Support
- Enhanced Support for MVC2 + MVC3, KnockOutJS
- Powerful Grid control with overwhelming functionality
- Charting huge amounts of data and maintaining streamlined user-experience
- Our Data Visualization controls travel fast – Geographic Map joins the jQuery family

Market Leading Performance

Market leading performance in data grid binding, rendering, scrolling, and virtualization in:

- HTML5 / jQuery
- Silverlight
- WPF
- ASP.NET

More than 1 million data points render in less than 3 milliseconds in XAML & HTML5 Charting

http://www.infragistics.com/innovations/performanc e-whitepapers.aspx#PerformanceWhitepapers

Data Visualization

Increasing the richness in the DV product lines.

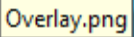Moving all XAML Data Visualization to jQuery / HTML5 stack

- Correlation formula
- Error Bars
- Series Inheritance
- Overview Plus Detail
- Weighted moving average formula
- 13 Trend Lines
- Financial Charting
- New Chart Types / Series
  - Bar chart
  - Funnel Chart
  - Stacked 100 Bar
  - Stacked 100 column chart
  - Stacked Column chart
  - Stacked Bar chart
  - Point chart
  - Stacked area chart
  - Stacked spline chart
  - Stacked spline area chart
  - Stacked spline area chart
  - Stacked 100 line chart
  - Stacked 100 area chart
  - Stacked 100 spline chart

Line of Business

Most Modern Web Platform

Enhanced Grid Features

Hierarchical Grid

- Grid
  - Column Moving, Column Resizing, Column Hiding, Filtering, Sorting, Paging

  Overlay.png

- Hierarchical Grid
  - Load On Demand, Paging, Sorting, Filtering

- HTML Editor

- Tree
  - Selection, Activation, Checkboxes
  - Load On Demand, Templates , Images

- Combo Box
  - Auto- Suggest, Auto-Complete
  - Filtering, Load On Demand, Multi-Column Layout

- Editing
  - Data Picker, Currency, Date and Time, Validation

Demo Time!

Let's check out some samples and some online references / resources!

Customer Service

Go to the jQuery Product Page + Downloads: **http://tinyurl.com/752fmxp**

Blogs, Forums, Videos, Samples, Code Downloads, etc at:

http://community.infragistics.com

Direct Links:

- http://samples.infragistics.com
- http://blogs.infragistics.com   <- Dozens of blogs posted per month
- http://forums.infragistics.com <- Fastest support option / 24 hour turnaround

Resources

- Samples
  - http://samples.infragistics.com/
- Online Documentation
  - http://help.infragistics.com/
- Community Blog
  - http://www.infragistics.com/community/blogs/
- Videos
  - http://www.infragistics.com/videos/

Q&A

Abhishek Narain

Technical Evangelist / Infragistics / anarain@infragistics.com

@narainabhishek on twitter

Nishanth Anil

Technical Evangelist / Infragistics / nanil@infragistics.com

@nishanil on twitter

 facebook.com/InfragisticsIndia