INTRO TO JQUERY

By
Jeff Ammons

Who's This Guy?

- Jeff Ammons
  - Senior Software Engineer
  - Black Book aka National Auto Research
  - President GGMUG

Why Should I Listen To Him?

- You shouldn't
  - Bail NOW!!!
  - RUN!
  - Seriously!

Why Care About jQuery?

- JavaScript Has Warts
  - jQuery hides many warts
- JavaScript Is Everywhere, So jQuery Is Everywhere
  - jQuery is pure JavaScript
- Microsoft Will Support jQuery
  - Ships with Visual Studio 2010
- The Future Is Cloudy

The Future Is Cloudy

- Cloud Based Computing
  - Server You Choose
  - Client You Do Not
- Uncertain
  - XAML/.Net?
  - Microsoft?
  - Post PC World?

Scary Chart

Quarter Ending 12/31/11

Revenues

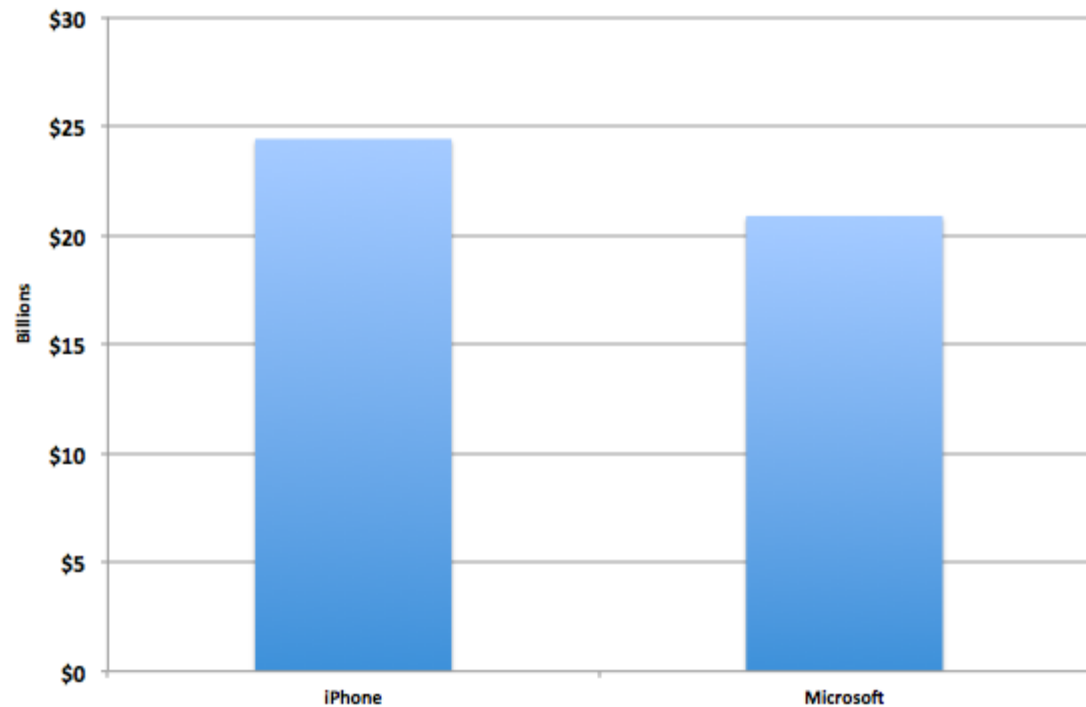- iPhone: $24.4 Billion
- Microsoft: $20.9 Billion

Profits

- iPhone: $9.3 Billion
- Microsoft: $8.2 Billion

*Profits are estimated

http://www.businessinsider.com/iphone-bigger-than-microsoft-2012-2

Which Client Stack Will Win?

- Windows?
- Mac?
- iOS?
- Android?
- BlackBerry?
- Windows Phone?

No One Knows

- Microsoft Doesn't Know
- Apple Doesn't Know
- Google Doesn't Know
- I Certainly Don't Know

Can You Support All Platforms?

- Not bloody likely
- Unless you are a giant company
  - Teams of developers for each platform
  - Business model that supports the ROI
- Individual developer
  - Brain the size of a Volkswagen Beetle
  - Matrix like speed of learning
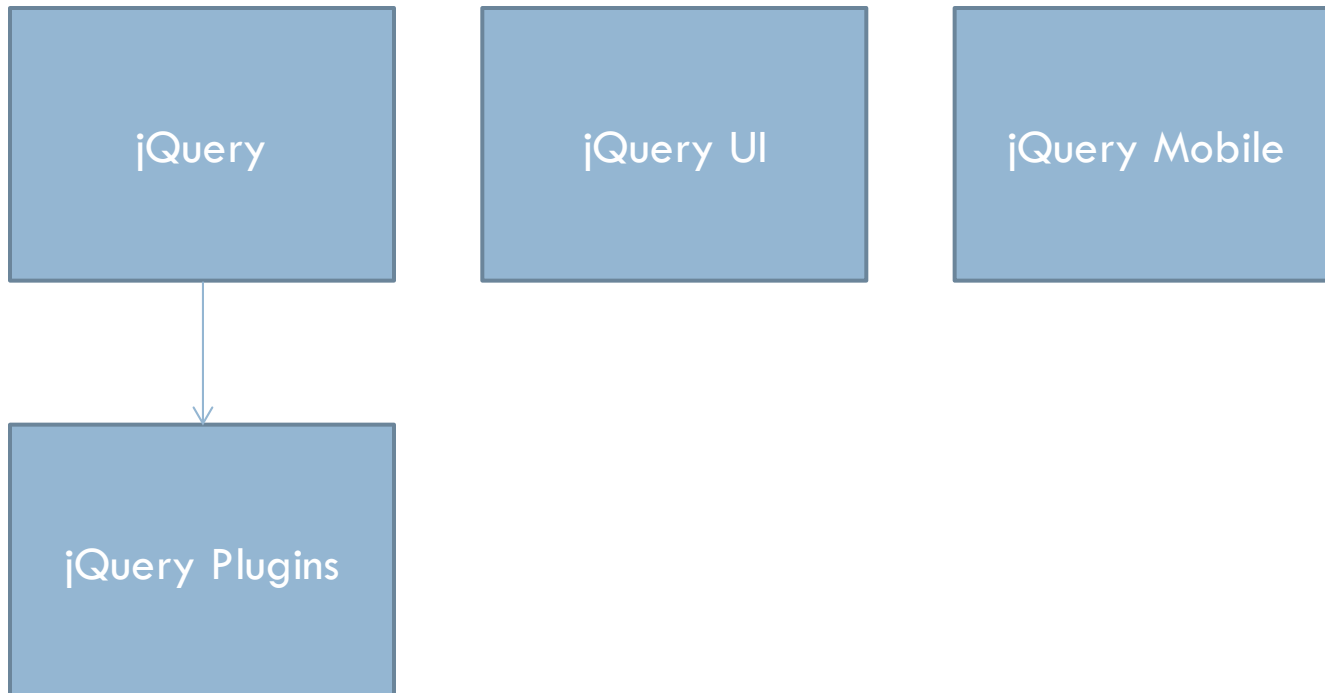
How Can I Hedge My Bet?

- HTML
- CSS
- JavaScript

- Runs EVERYWHERE
  - Desktop in browser
  - Desktop as App (in Windows 8)
  - Mobile in browser
  - Mobile as App (via PhoneGap and friends)

But JavaScript Sucks!

- Not as much
- Depends on how you use it
- jQuery helps

What IS jQuery?

☐ Ecosystem: Breadth of Reach

| jQuery | jQuery UI | jQuery Mobile |

| jQuery Plugins |

jQuery

- Browser Spackle
  - Covers cracks
  - Smooths process
- DOM
  - Document Object Model
  - Easily select objects
    - Even numbered rows in table
    - All <a> tags
  - Common functions & events
- AJAX
  - Microsoft's preferred technology

jQuery Plugins

- Add-ons

- JavaScript STUFF that uses jQuery

- Could be
  - Functions
  - Events
  - Components

jQuery UI

- Client component library
- Common components
  - Calendar
  - Dialog
  - Buttons
  - Etc.
- Common UI functions and events
- Themable

jQuery Mobile

- Mobile client component library
- Optimized for small screens
- Touch
- More Spackle – devices as well as browsers
  - Events
  - Functions
  - UI look and feel

Unobtrusive

- Server doesn't have to know or care
- Can be injected at runtime

- ASP.Net
  - Web Forms
    - A bit more challenging, but possible
  - MVC
  - Web Pages

Demos

- Let's write some jQuery/JavaScript!

- Seriously take out your:
  - Exam notebook
  - Number 2 pencil
  - Slide rule
  - Flowchart template

  - NO TALKING!!!

Links

- Jeff's Links
  - Blog: http://ammonsonline.com/jeffa
  - Humor/Sci Fi: http://galacticbeacon.com
  - Kids' comic: http://funzietown.com
  - Twitter: jeffa00   ← zeroes not the letter O…
- jQuery Links
  - http://jquery.com
  - http://jqueryui.com
  - http://jquerymobile.com