Modern App Development

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Agenda

Developing for Windows
Building Apps using Open Data API’s
Cross Platform App and Game Development
Resources
Immersive Touch-first experience
Apps or Games
C++, C# or HTML5/JS

Developing for Windows
Developing for Windows
Shared core with Windows 8
Common programming model
Skills portability
Consistent user experience

Windows Phone
Live Tiles
Live Lock Screen
Lens Apps
Integrated Wallet
Xbox Games
Differentiated Apps
Development
Using Visual Studio to create Apps for Windows.
Building Apps using Open Data API’s

1. Call
   - Invoke API
2. Async Callback
   - Deserialize JSON to Data Model
3. Copy
   - Copy to Bindable View Model
4. Display
   - Bind to UI Control

Web Service API
- API Returns JSON Payload
DEMO
Cross Platform App Development
C# developers

**Xamarin** - Xamarin enables developers to build fully native iOS and Android apps in C# that can share code with Windows apps. Through code re-use and sharing, and by unifying mobile app development in C#, Xamarin makes it possible to deliver gorgeous, performant, native apps for all major device platforms quickly.

- **Draw A Stickman**
- **Rdio**
- **Infinite Flight**

**Shared Code**
- Business Logic
- Cloud Integrations
- Database Access
Free open source cross platform framework for apps on mobile devices

Renders UI using HTML5 and CSS; Web browser encased in a native app for each platform

Build for Windows Phone and Port to Windows 8
C# developers

Unity – most popular cross platform game development tool for 2D and 3D games
C# developers

MonoGame – cross platform implementation of the XNA 4.0 framework
HTML5/JS developers

**GameMaker** - family of products that caters to entry-level developers and seasoned game development professionals to create cross platform games.

Create games 80% faster.
HTML5/JS developers
Construct 2

Game Creation
Construct 2 has arrived. For everyone.

Take a look at Construct 2's Features

Drag and Drop
Making games has never been easier than with Construct 2
HTML5/JS developers

GameSalad – create cross platform games rapidly with no code

Create Games Rapidly
Drag & Drop, No Code

Download Creator for Free

Develop on and publish to all major platforms

Windows | Mac | iOS | Android
HTML5/JS developers

CreateJS – suite of modular libraries and tools which work together to enable rich interactive content on open web technologies via HTML5

http://bit.ly/R8Rf1v
**HTML5/JS developers**

**ImpactJS** - JavaScript Game Engine that allows you to develop stunning cross platform HTML5 Games

http://jessefreeman.com/
Resources

DreamSpark ➔ http://dreamspark.com
  Downloads the development tools
  Download the SDKs
  Get your free Windows 8 and Windows Phone Developer Accounts

AppBuilder ➔ http://build.windowsstore.com

Training

C# Fundamentals ➔ http://aka.ms/CsharpDevBegin
Windows Phone 8 for Beginners ➔ http://aka.ms/absbeginnerdevwp8series

Starter Kits

APIMASH ➔ http://aka.ms/apimash