



Windows 8 개발자 컨퍼런스



Messaging



Internet Explorer



Control Panel

2012년 4월 13일
9:30 AM - 5:30 PM
건국대학교 새천년관 대공연장



13
FRIDAY



Store



Mail



Socialite

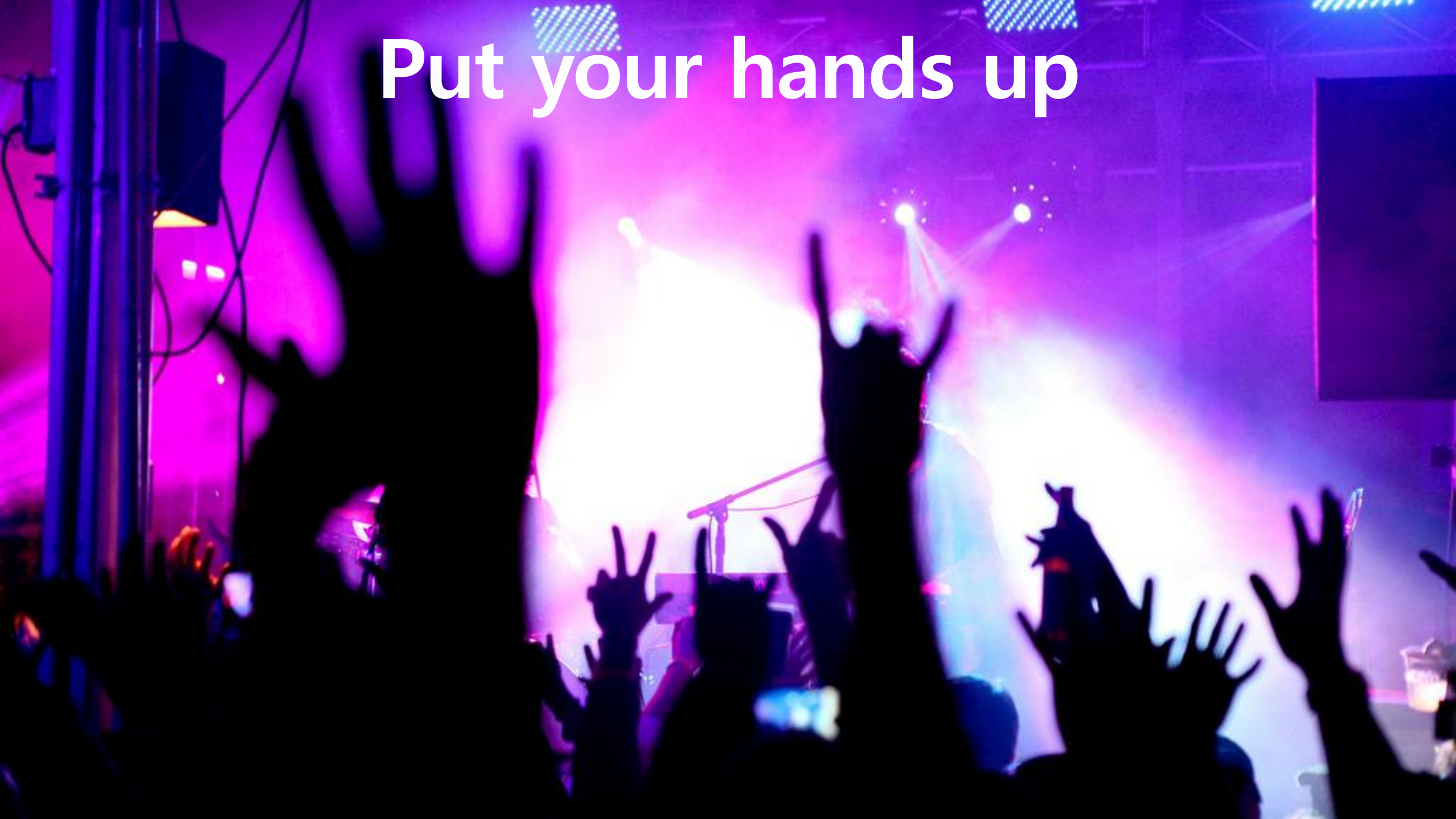


News

HTML5/Javascript를 활용한 메트로 스타일 앱 개발

이길복
휴즈플로우 CTO

Put your hands up





ㄏㄢˋ ㄗㄧˋ ㄨㄣˊ ㄏㄨㄚˋ ㄑㄩㄢ
漢字文化圈



hàn zì wén huà quān
汉字文化圈



한 자 문 화 권
漢字文化圈
han ja mun hwa gwon

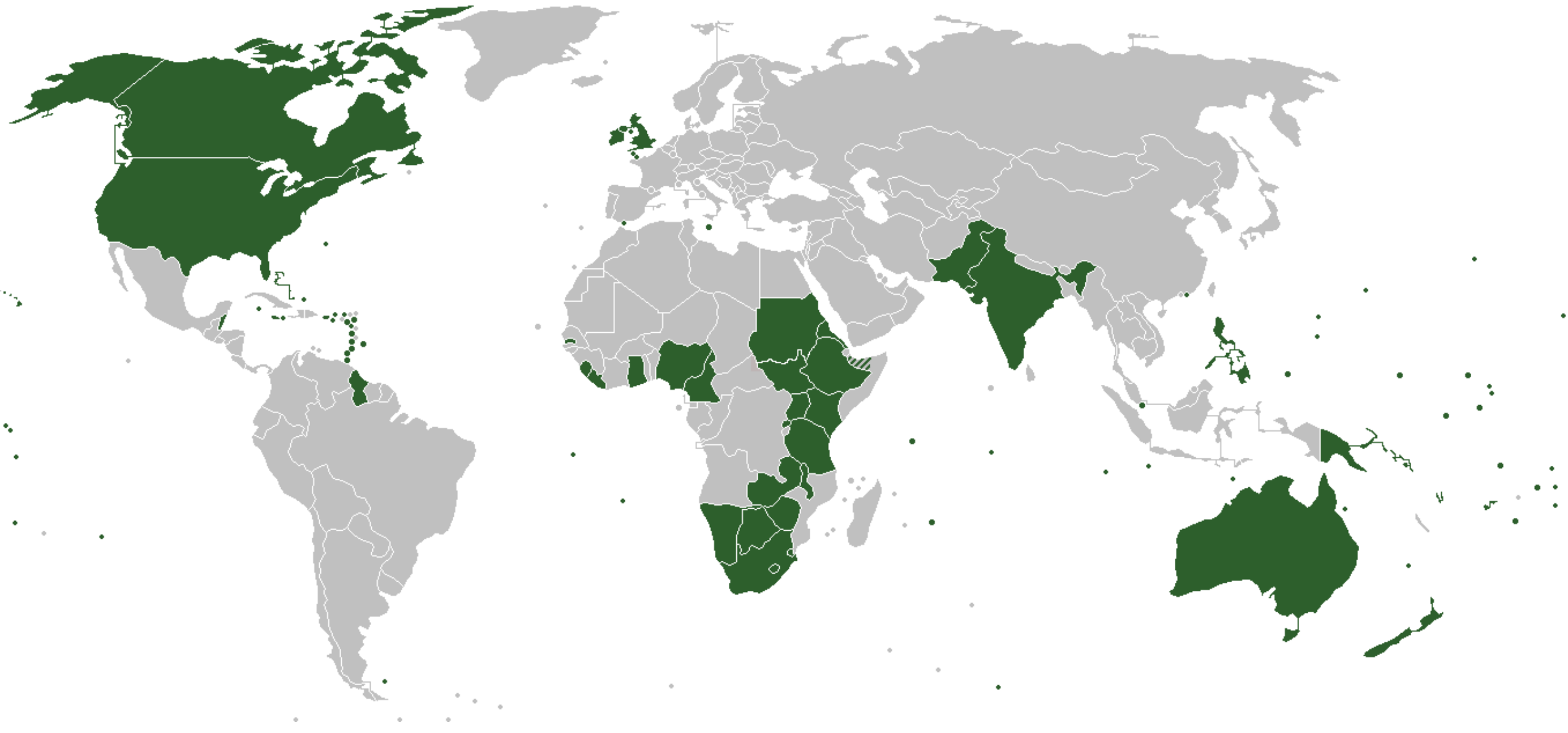


vòng văn hóa chữ hán
綏文化字漢



かん じ ぶん か けん
漢字文化圈
kan ji bun ka ken

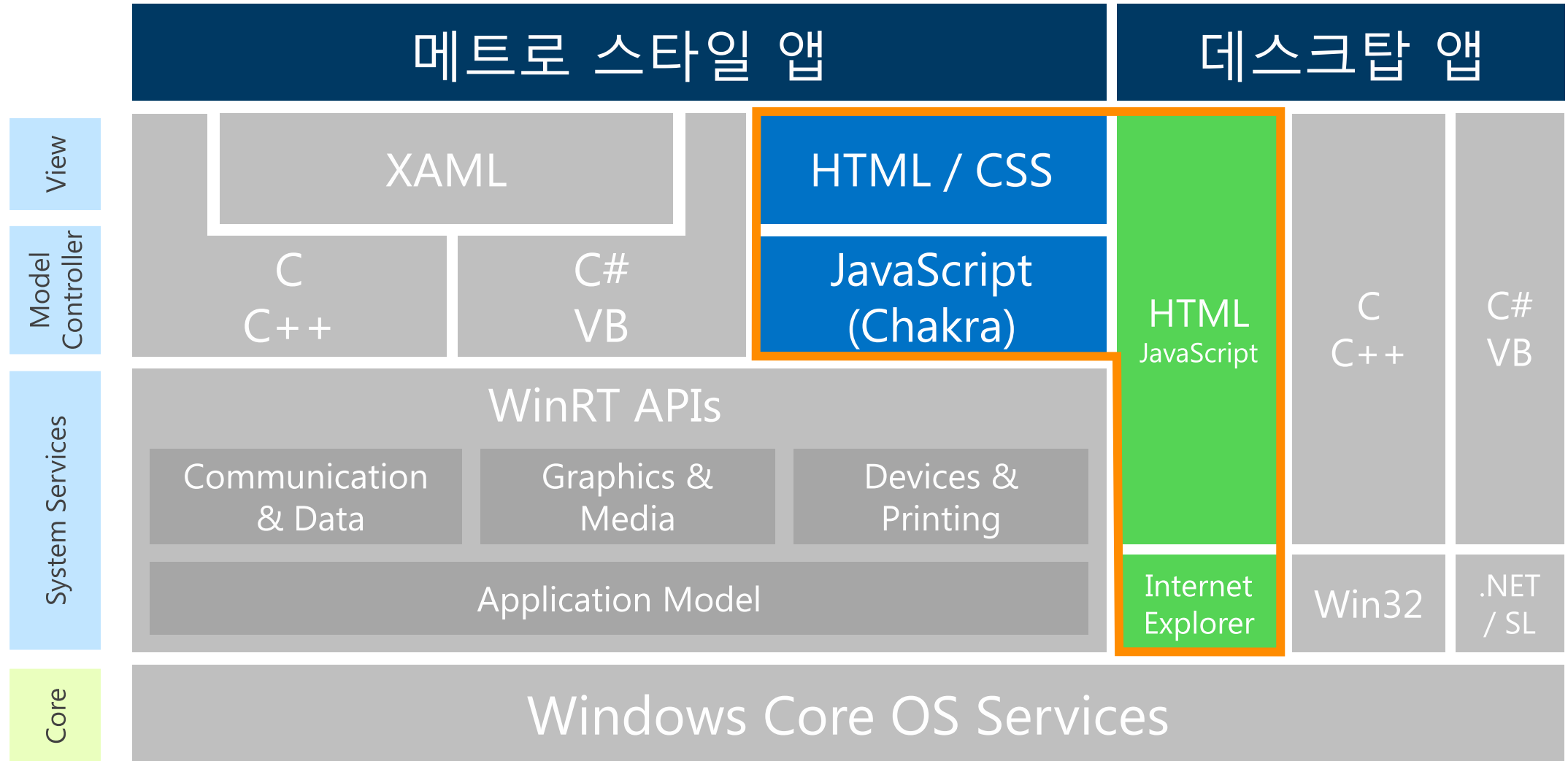
영어문화권



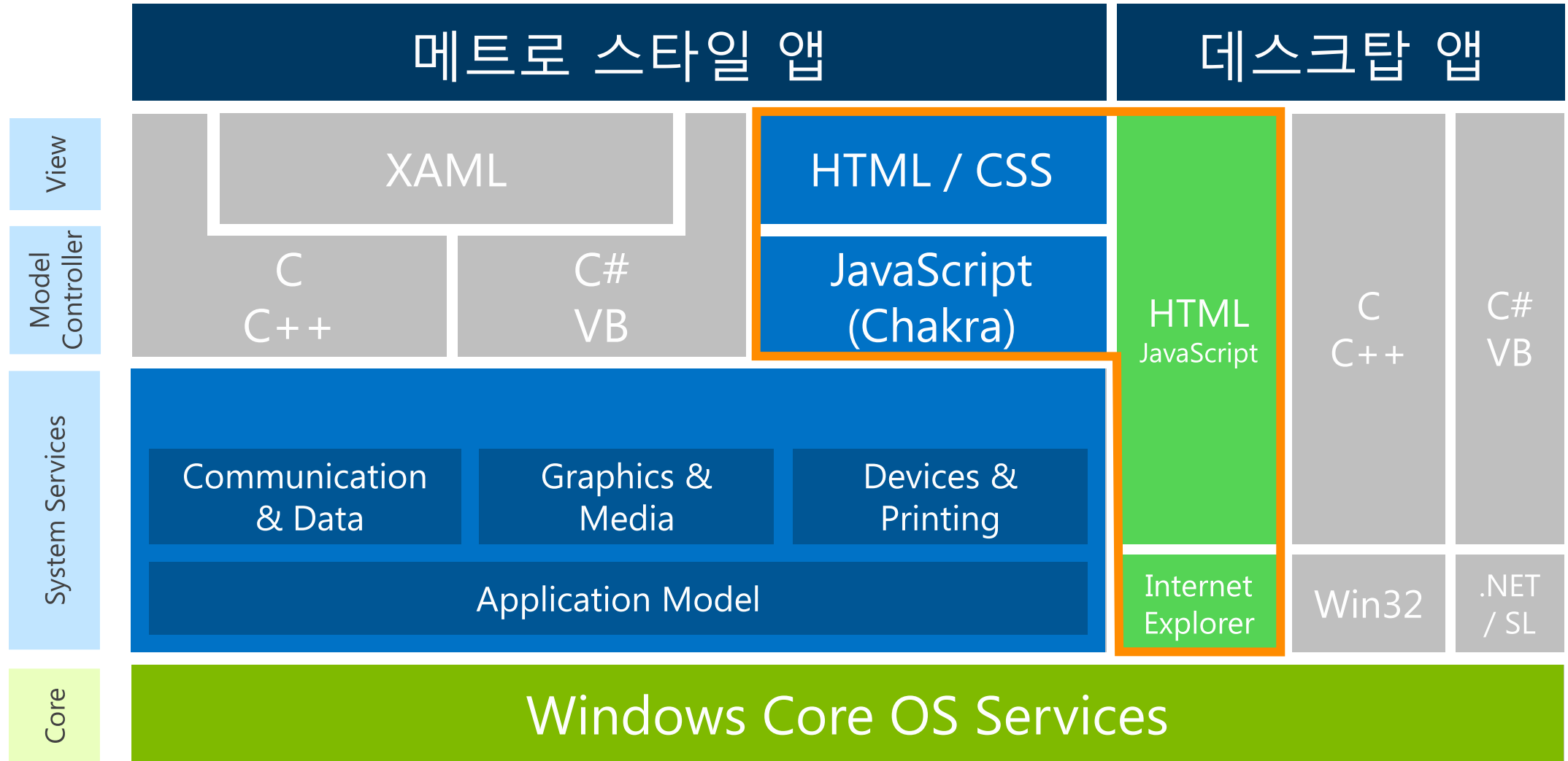
HTML5 문화권?

윈도우8 웹 플랫폼으로
멋진 사이트와 메트로 스타일 앱을
만들 수 있습니다.

Windows 8



Windows 8



HTML 5

IE9 하드웨어 가속되는 웹 플랫폼

CSS 2D Transforms

CSS Backgrounds & Borders

CSS Color

CSS Fonts

CSS Media Queries

CSS Namespaces

CSS OM Views

CSS Selectors

CSS Values and Units

Data URI

DOM Element Traversal

DOM HTML

DOM Level 3 Core

DOM Level 3 Events

DOM Style

DOM Traversal and Range

DOMParser and XMLSerializer

ECMAScript 5

HTML5 Canvas

HTML5 Geolocation

HTML5 Selection

HTML5 semantic elements

HTML5 video and audio

ICC Color Profiles

Selectors API Level 2

SVG, standalone and in HTML

XHTML/XML

윈도우8 하드웨어 가속을 받는 웹 플랫폼

CSS 2D Transforms

CSS 3D Transforms

CSS Animations

CSS Backgrounds & Borders

CSS Color

CSS Flexbox

CSS Fonts

CSS Grid Alignment

CSS Hyphenation

CSS Image Values (Gradients)

CSS Media Queries

CSS multi-column Layout

CSS Namespaces

CSS OM Views

CSS Positioned Floats (Exclusions)

CSS Selectors

CSS Transitions

CSS Values and Units

Data URI

DOM Element Traversal

DOM HTML

DOM Level 3 Core

DOM Level 3 Events

DOM Style

DOM Traversal and Range

DOMParser and XMLSerializer

ECMAScript 5

File APIs

FormData

HTML5 Application Cache

HTML5 async

HTML5 Canvas

HTML5 Drag and drop

HTML5 Forms and Validation

HTML5 Geolocation

HTML5 History API

HTML5 Parser

HTML5 Sandbox

HTML5 Selection

HTML5 semantic elements

HTML5 video and audio

ICC Color Profiles

IndexedDB

Page Visibility

Pointer (Mouse, Pen, and Touch) Events

Selectors API Level 2

Filter Effects

SVG, standalone and in HTML

Timing callbacks

Web Messaging

Web Sockets

Web Workers

XHTML/XML

XMLHttpRequest (Level 2)

윈도우8에서 자주 쓸 CSS3 기능들

Transforms

2D & 3D transforms

Motion

Animations

Transitions

Layout

Grid

Flexbox

Graphics

Gradients

Filter Effects

Text-shadow

Content flow

Multi-column,
hyphenation

Pagination

Position float

윈도우 하드웨어 가속이 이것을 아름답고 빠르게 해줍니다.

demo

CSS3 demos

<http://ie.microsoft.com/testdrive/Graphics/hands-on-css3/>

<http://ie.microsoft.com/testdrive/HTML5/GridSystem/>

<http://ie.microsoft.com/testdrive/Graphics/CSSGradientBackgroundMaker/>

윈도우8에 자주 쓸 HTML5 기능들

Web Sockets

Web Workers

IndexedDB

Ecmascript 5

File API & Blobs

Geolocation

Audio tag

Video tag

Touch-first

Pointer events

Zoom regions

Snap Points

Forms

Validation

Input types

Spell checking

demo

HTML5 demos

<http://ie.microsoft.com/testdrive/HTML5/Forms/>

<http://ie.microsoft.com/testdrive/Graphics/TouchEffects/>

<http://ie.microsoft.com/testdrive/HTML5/WebWorkerTest262/>

도구들

The background is a solid orange color with several white, semi-transparent abstract shapes scattered across it. These shapes include circles, teardrops, and rounded rectangles, some of which are partially cut off by the edges of the frame.

demo

Visual Studio 11 Beta &
Blend for Visual Studio 11 Beta

The background is a solid green color with several white circles of varying sizes scattered across it. Some circles are complete, while others are partially cut off by the edges of the frame.

WinJS

시작은



<http://dev.windows.com>

-> Metro style apps -> Learn -> API reference

자바스크립트를 위한 윈도우 라이브러리 (WinJS)

자바스크립트로 메트로 스타일 앱을 만들기 위한 라이브러리

앱을 간지나게 만들 수 있는

윈도우 메트로 디자인 스타일에 맞춘

공통적인 사용자 경험을 위한
컨트롤들

전통적 입력방식 뿐 아니라 터치를
위한 디자인

여러가지 화면 크기를 넘나드는
스케일

양질의 앱을 빨리 만들 수 있는

이미 익숙한 웹기술

즉각 반응하고, 신뢰성있는 앱을 위한
현대적인 패턴들

인터랙티브한 디자인 툴들을 사용

WinJS

Helpers for Namespaces,
Constructor Definition

Promises

App Model

Navigation

Page & User controls

Data binding

Controls

Animations

Templates

Utilities

Default CSS Styles

The background is a solid orange color. It is decorated with several white, thin-lined shapes: circles and teardrop-like shapes. These shapes are scattered across the page, with some overlapping. The overall aesthetic is clean and modern.

demo

The Contoso Cookbook

Windows.Media APIs

Windows.Media.

Capture

CameraCaptureUI

MediaCapture

- Camera Capture UI

- 파일시스템에서 사진이나 비디오를 가져오는 것과 유사
- 미리 정의한 사용자 워크플로우에 따르는 빌트인 컨트롤 (편해요!)

- Media Capture API

- 화면상의 모든 픽셀을 제어할 수 있습니다.
- 새롭게 사용자 경험과 워크플로우를 정의할 수 있습니다. (증강현실 등)



demo

CameraCaptureUI

카메라 마이크를 쓰려면

```
// Application manifest capabilities required to access camera and microphone
<Capabilities>
    <DeviceCapability Name="webcam" />
    <DeviceCapability Name="microphone" />
</Capabilities>
```

위치기반(GeoLocation)

```
var loc = new Windows.Devices.Geolocation.Geolocator();  
//One-time  
loc.getGeopositionAsync().then(getPositionHandler);  
loc.addEventListener("positionchanged", function ()  
    { getPositionHandler (  
args.position);});  
  
function getPositionHandler(pos) {  
    var lat = pos.coordinate.latitude;  
    var long = pos.coordinate.longitude;  
    var acc = pos.coordinate.accuracy;  
}
```

여러분의 라이브러리도 좋다고요? 그럼 쓰세요!

- 메트로 UI와 윈도우 특성을 지켜주면서,
- WebContext와 샌드박스 모델을 이해하면서,
- 조합해 만드시면 잘 작동할 겁니다!

웹 기술을 가지고 있다면, 이미 멋진
메트로 스타일 앱 만들 준비완료!

리소스들

Resources

- IE 9 Dev guide
<http://www.ietestdrive.com/Links/DevGuide9.html>
- IE 10 Dev guide
<http://www.ietestdrive.com/Links/DevGuide10.html>
- Touch in IE 10 and Metro style apps
<http://blogs.msdn.com/b/ie/archive/2011/09/20/touch-input-for-ie10-and-metro-style-apps.aspx>

The Microsoft logo is centered on a solid blue background. The logo itself is white and features the word "Microsoft" in a bold, italicized sans-serif font, followed by a registered trademark symbol (®). The background is decorated with several white-outlined squares of various sizes, some of which are partially cut off by the edges of the frame, creating a geometric pattern.

Microsoft®