Windows 8.1 and Visual Studio 2013

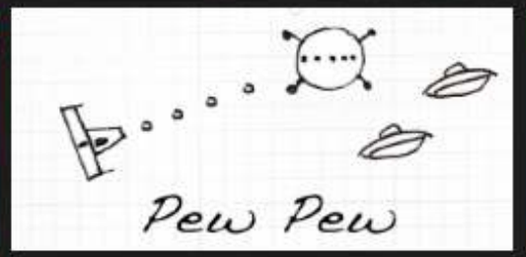
@pacocuevas

Paco Cuevas
Windows 8 Champ
Microsoft

Start

Francisco
Cuevas Garrido

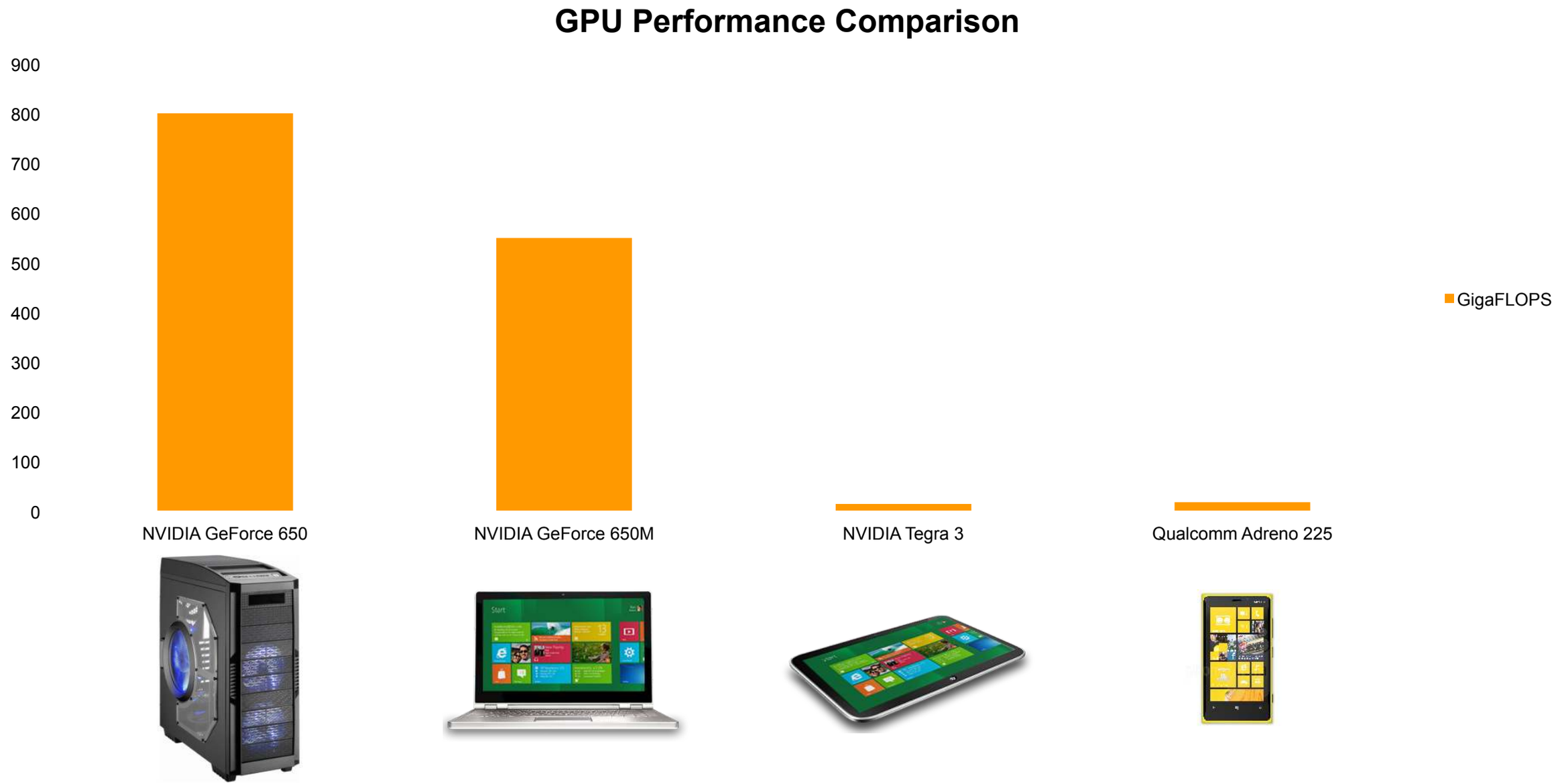
Games



Francisco
Cuevas Garrido

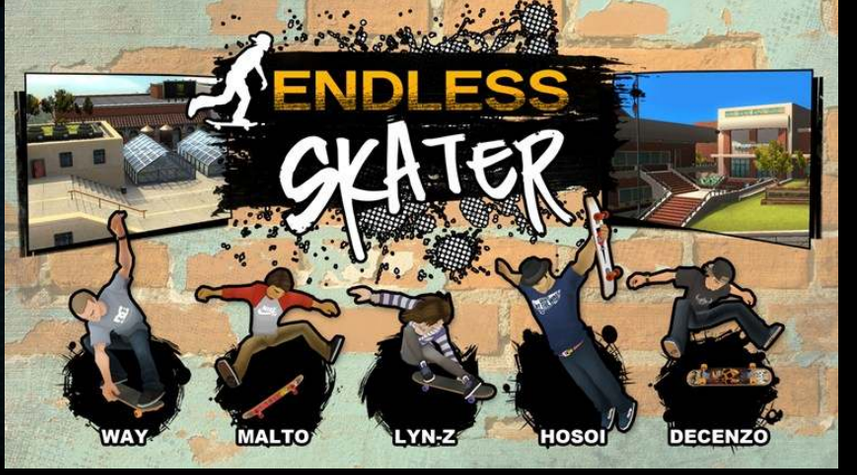
XBOX ONE

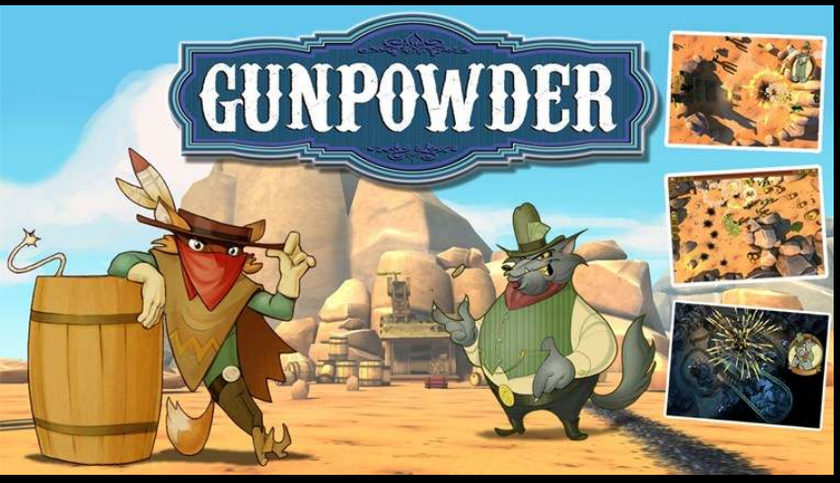
Range of Performance



Tink thought about what Fairy Mary had said. She was getting an idea...
Tap to skip

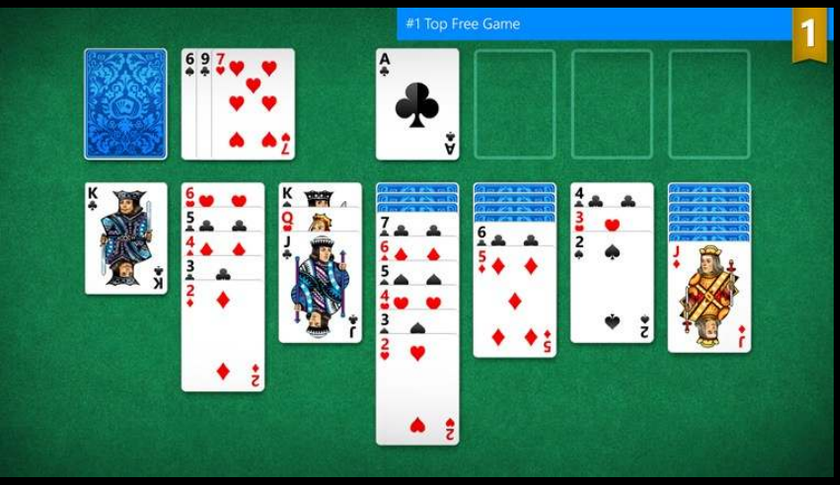
THE HARVEST


ENDLESS SKATER
WAY
MALTO
LYN-Z
HOSOI
DECENZO


GUNPOWDER

A WORLD of Keflings

01:41.149
02:05.000


#1 Top Free Game
1

PLAYER
$972,723
Not signed in
LEADERBOARDS
RECKLESS RACING
Speed
Acceleration
Handling
TRUMPER M2
TRUMPER M2
GARAGE
STREET
PHANTOM GTS
GILLADOR NX
TECTOR V2-R
DIRT
TRUCK
MILES HAULER
KELLTE RANGER

ARMED!

VISIT US ON FACEBOOK
MORE
DREDD
vs ZOMBIES
PLAY
YOU ARE THE LAW!
GET YOUR TICKETS! DREDD 3-D IN THEATERS 9/21
ACHIEVEMENTS
TROPHY CABINET!
LEADERBOARDS
COMPARE PERFORMANCE!
UPGRADE
BUY CREDITS

premium adventure collection
Diary
Map
Menu
Inventory
Hint

ANGRY BIRDS
STAR WARS

CAN 1 USA 7 11:35 2nd

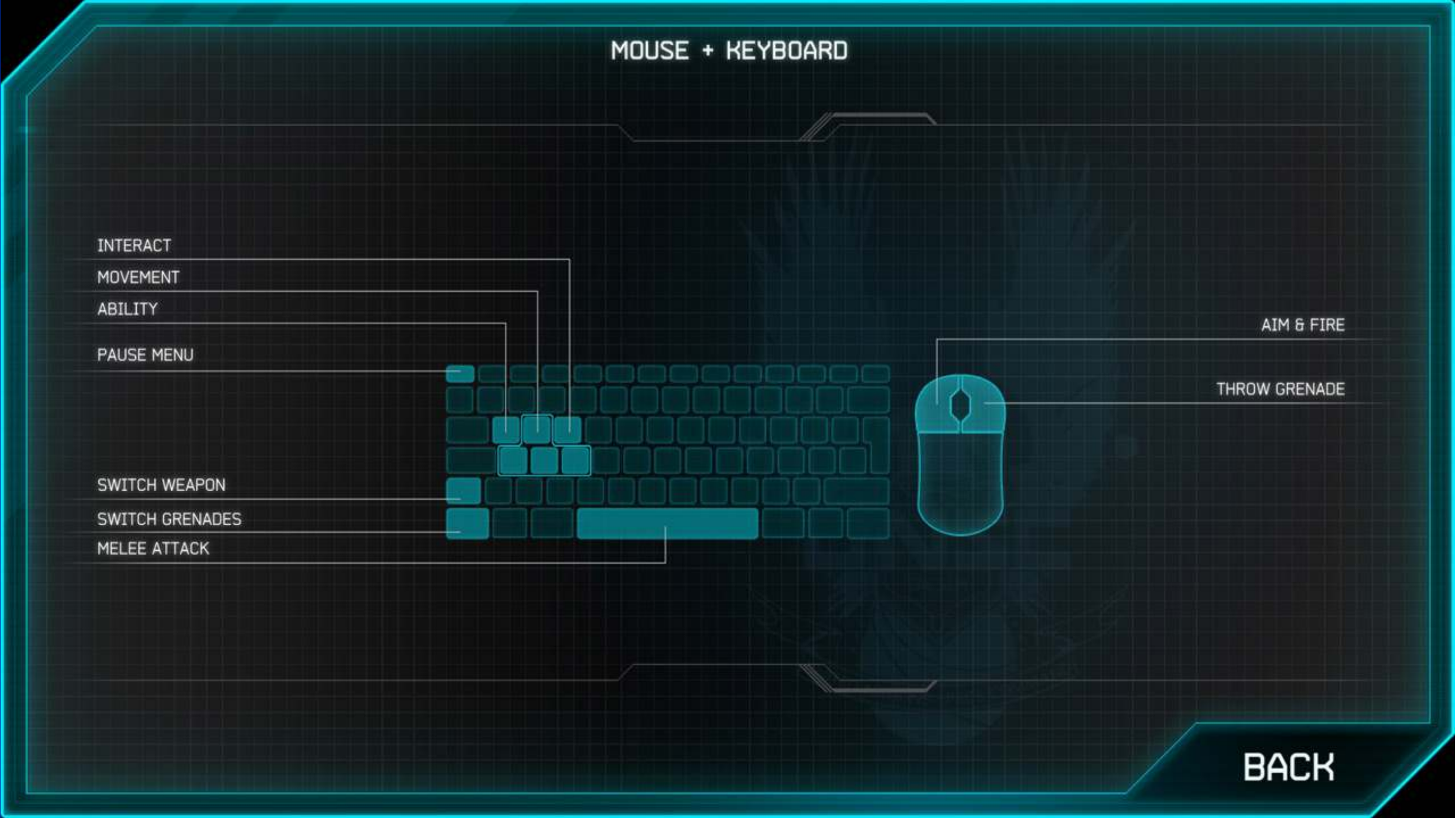
Score
155
EMILY'S
Episode 3
Day 1

25%
273516
11121
LVL 3
63

PROJECT
SPARK

HALO
SPARTAN ASSAULT

MOUSE + KEYBOARD



BACK

TOUCH INPUT

MELEE ATTACK (DOUBLE TAP ANYWHERE)

MOVEMENT

AIMING & FIRING

USE ABILITY

USE...

PICK UP...

GET IN/OUT...

SWITCH WEAPON

SWITCH GRENADE WHILE SHOOTING

THROW GRENADE WHILE SHOOTING

FIRE MAIN WEAPON OF VEHICLE

PAUSE MENU

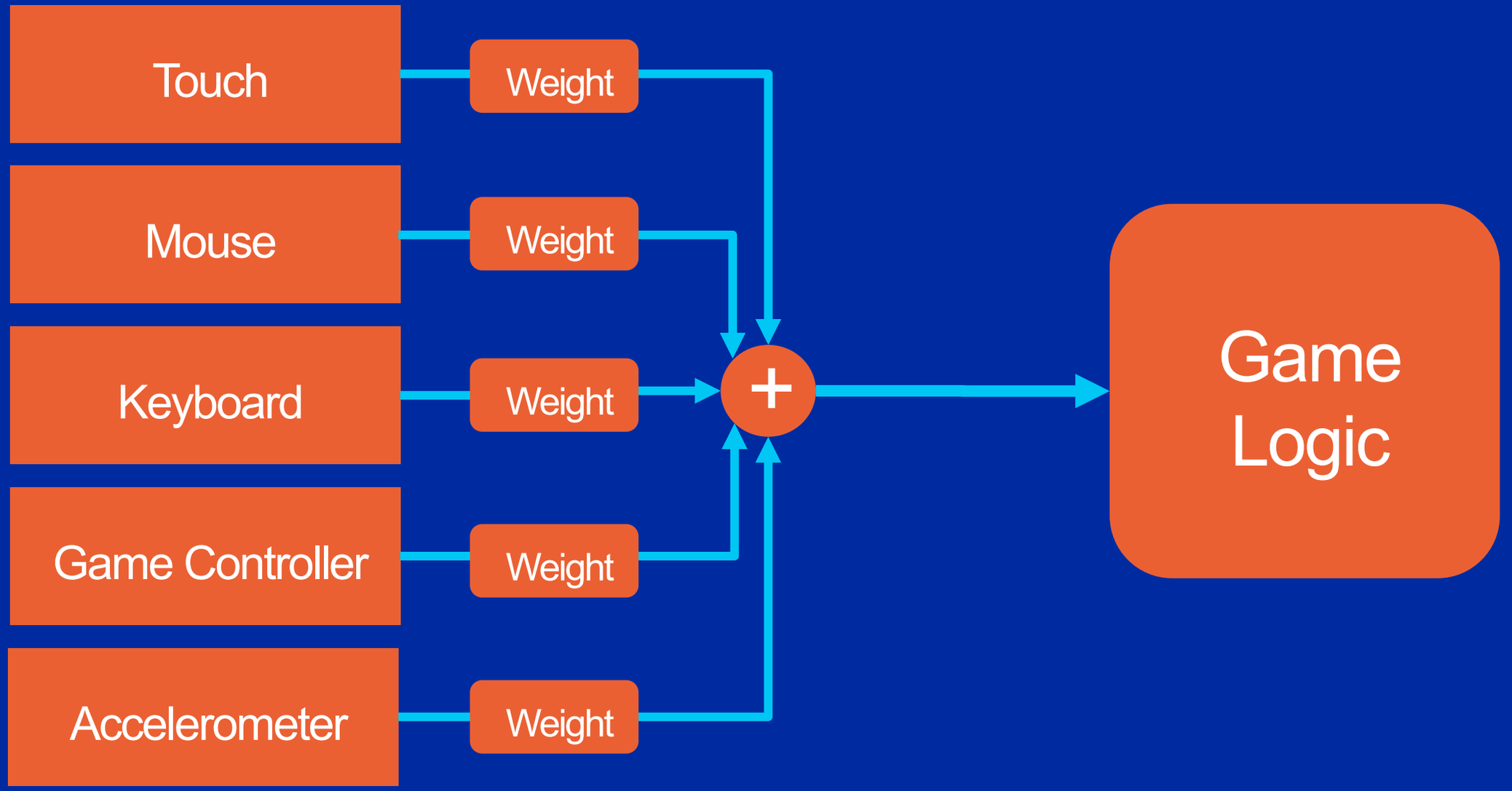
SWITCH GRENADE WHILE MOVING

THROW GRENADE WHILE MOVING

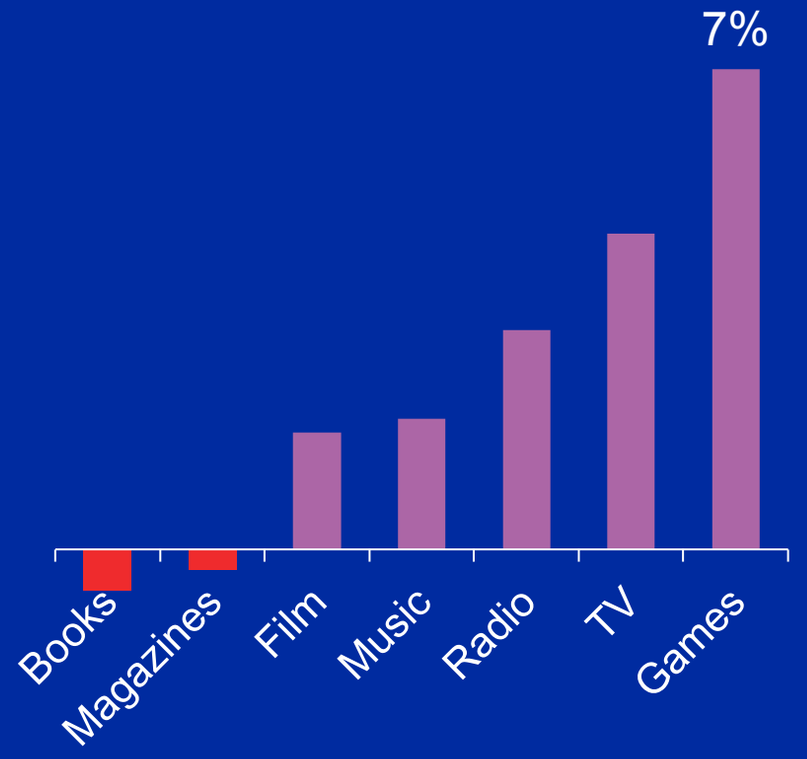
FIRE MAIN WEAPON OF VEHICLE

BACK

Automatic Input Routing



Games: año tras año crecimiento en ganancias



#1 categoría con mayor crecimiento.

Source: PWC, MSFT Estimates

Games: gasto anual de consumidores

$12B

#1 categoría con mayor crecimiento

$12B gastados en juegos para PC

Source: NPD, GFK, IDG, Public Financial Disclosures, MSFT Estimates

Games: audiencia mundial

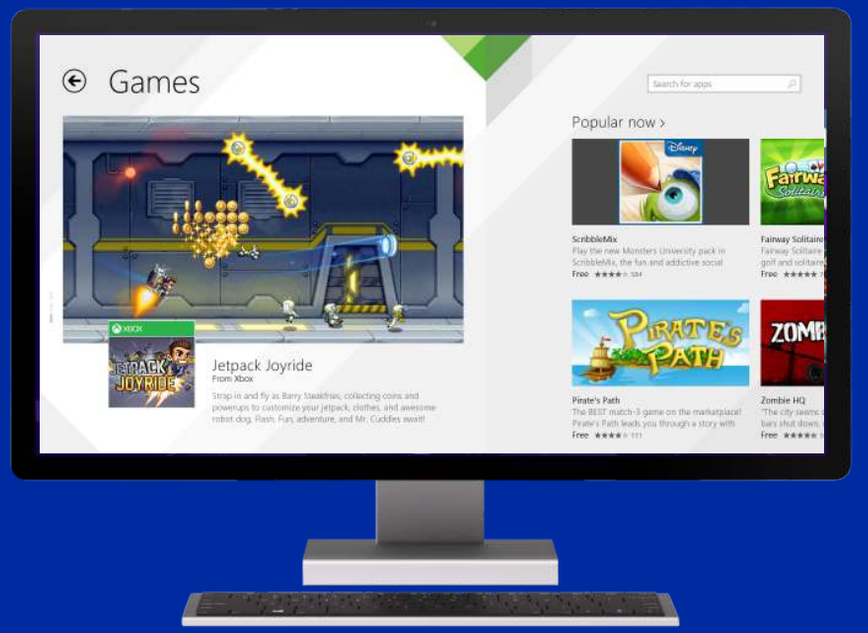
#1 categoría con mayor crecimiento

$12B gastados en juegos para PC

Más de 1 billion de personas jugando en todo el mundo

Source: NPD, GFK, IDG, Public Financial Disclosures, MSFT Estimates

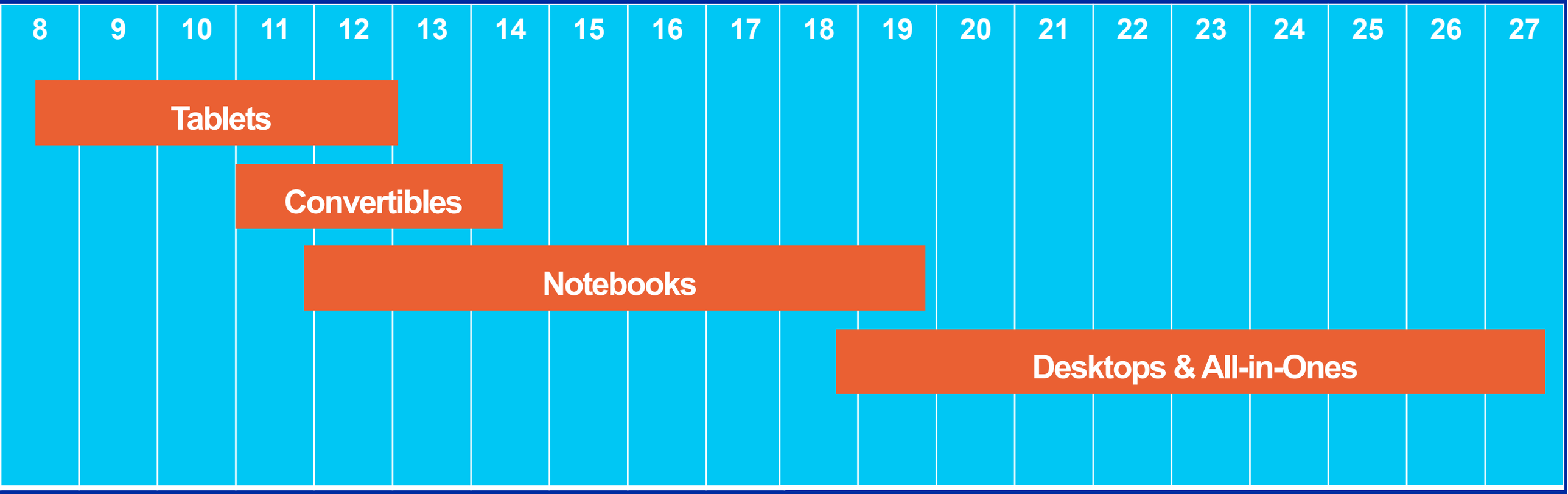
Windows Store Games



Games líder en listas top pagadas

Games líder en listas top gratuitas

All the Inches



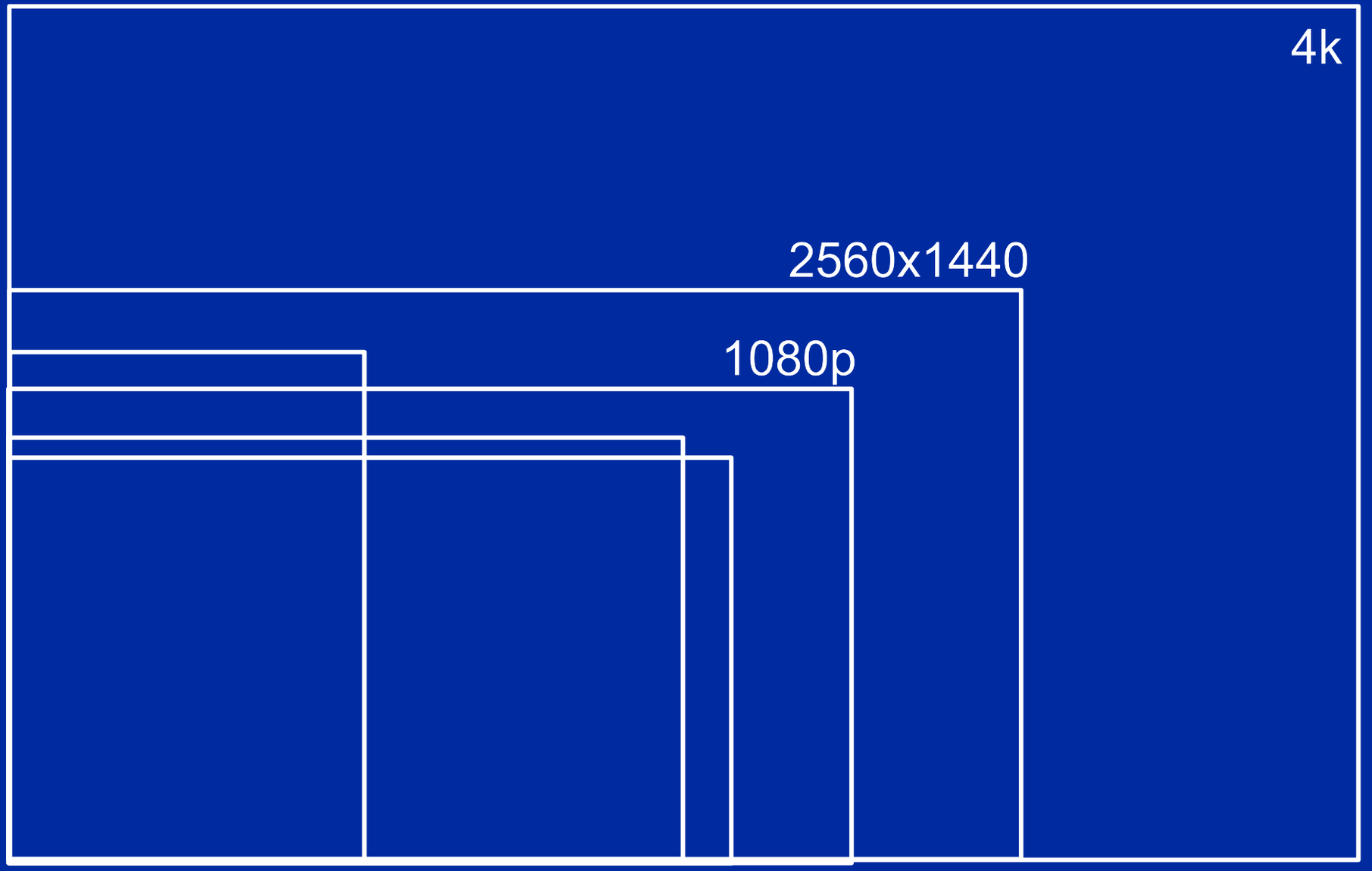
2-D Visuals: New DPIs

At 10” tablet panel

1366*768 1.0x

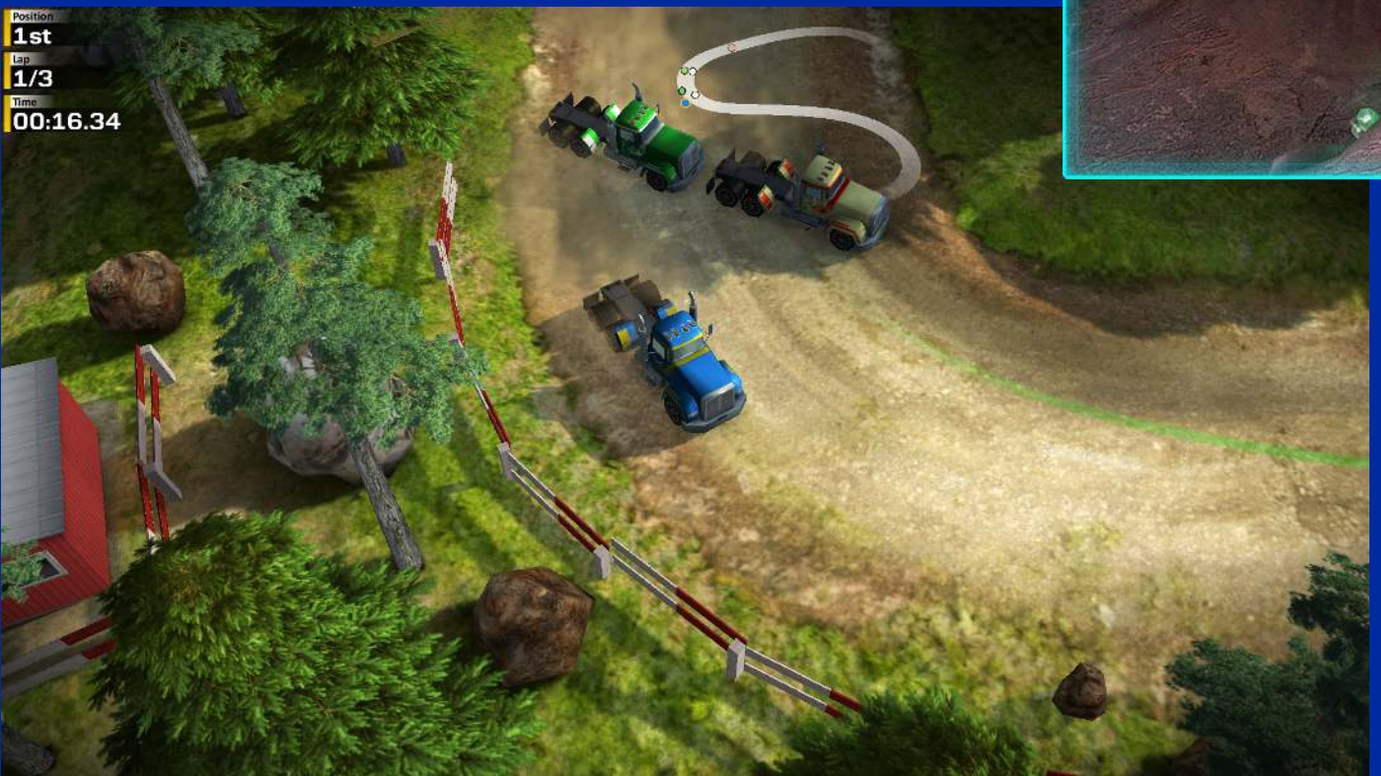
1920*1080 1.4x

2560*1440 1.8x



Cutting Edge Graphics in Windows 8.0

Halo: Spartan Assaul



Reckless
Racing
Ultimate

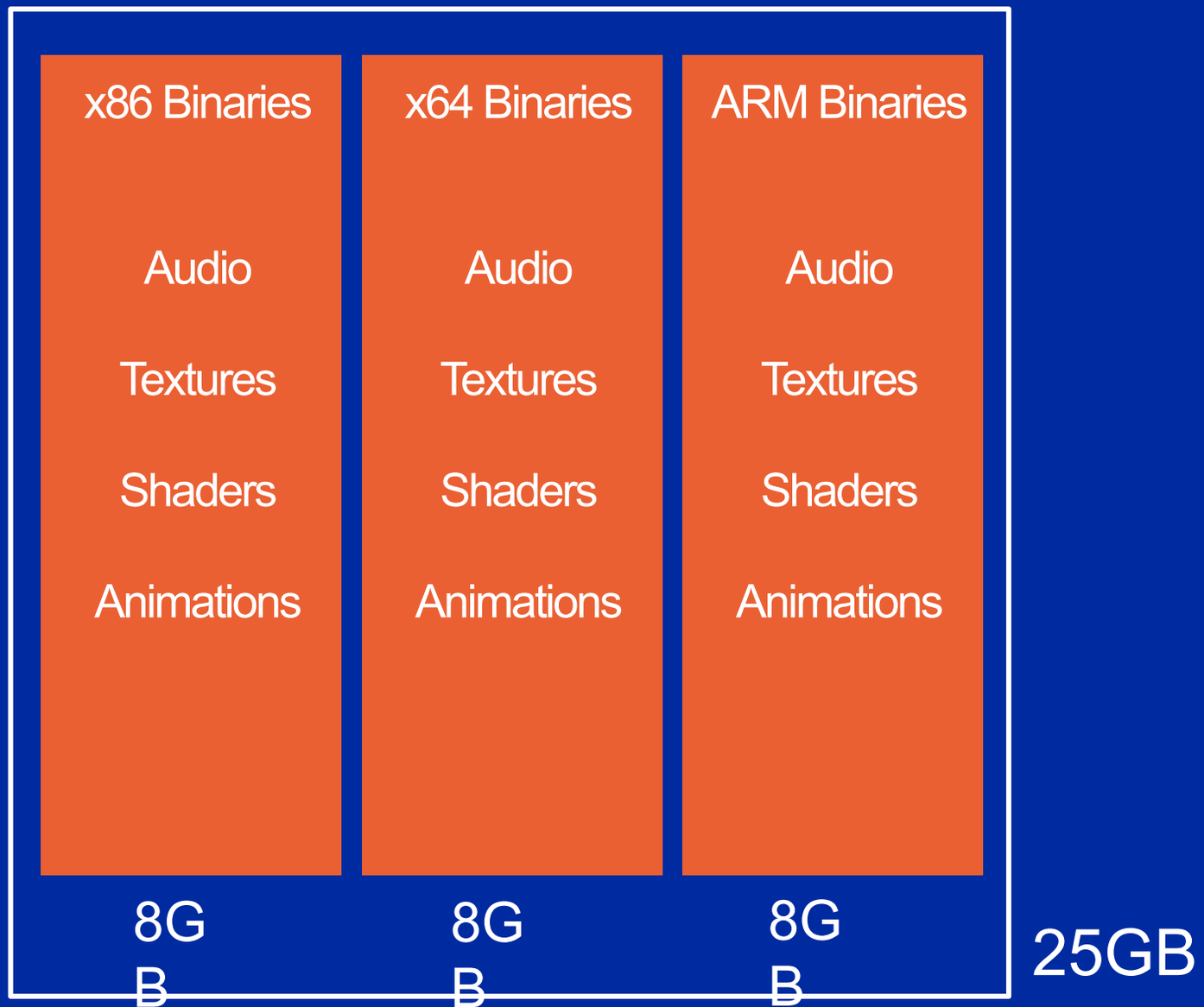
Windows 8.1 Game Platform Technologies

Your Killer Game

Graphics	Movies & Cut Scenes	Game Input	Audio	Local Services	Connected Services	Tools
Direct3D11.2	DirectX Video	Pointer Point	WASAPI	PLM	Windows Live Azure	Visual Studio
Direct2D	Media Foundation	Sensor API	XAudio2	AppData	Windows Store Install	Asset Viewers
HTML		XInput		Contracts	Xbox LIVE	Asset Processors
XAML					WiFi Direct	Shader Debugging

App Packages in Windows 8

App Packages in Windows 8.1



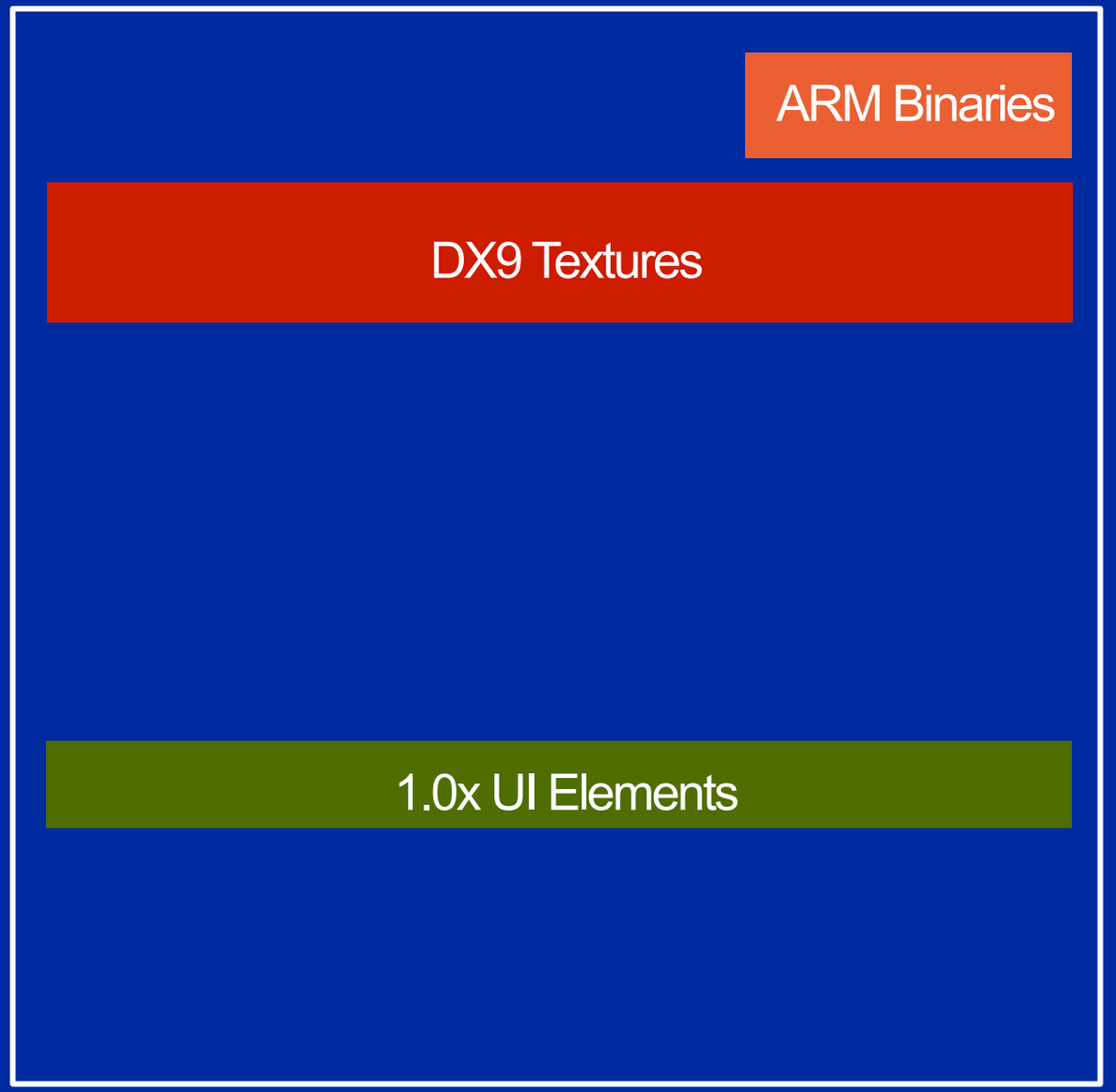
Windows 8.1 App Bundle

Deployment 1

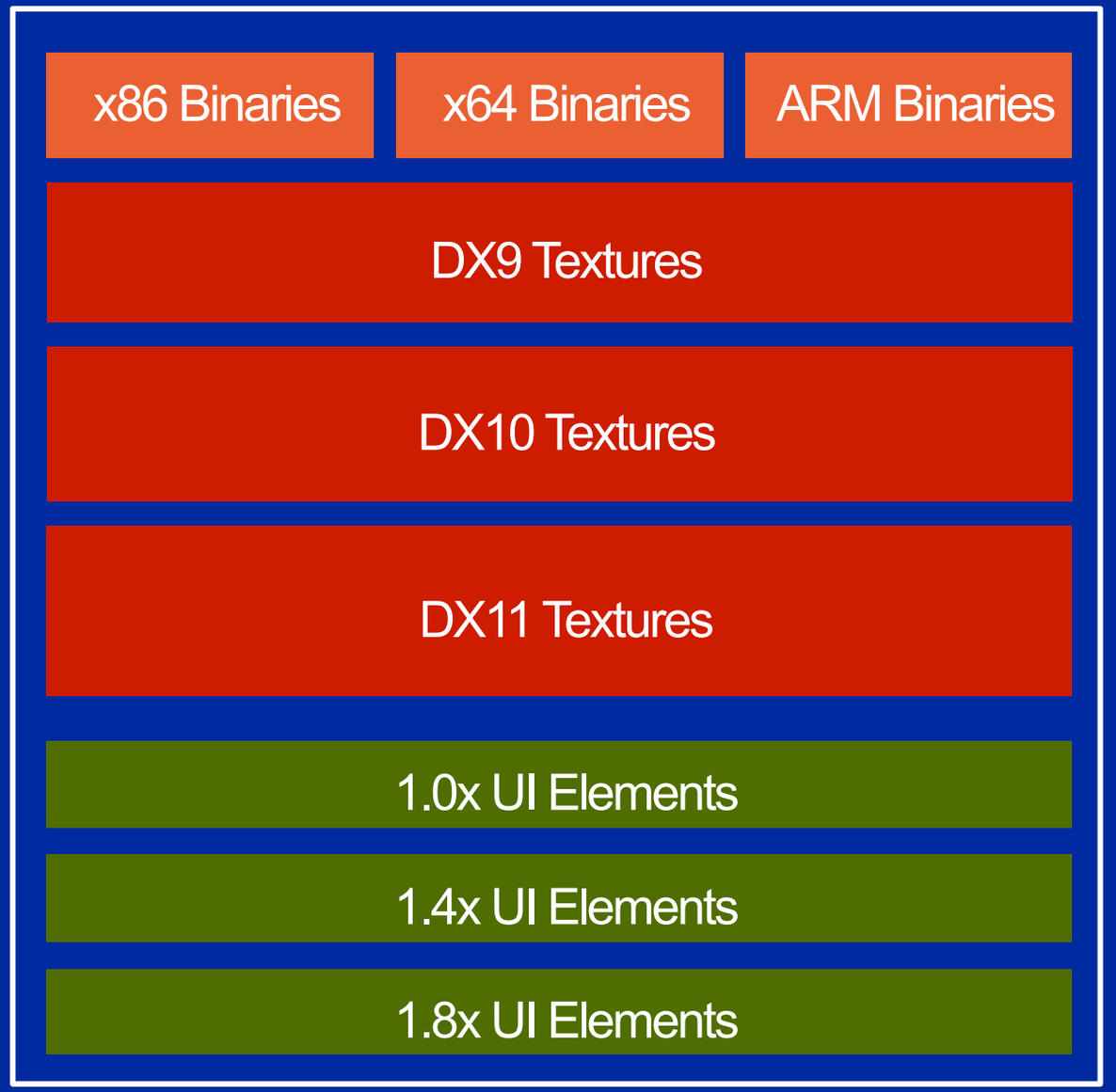
ARM binaries

DX9 Textures

1.0x UI elements



Deployment 2

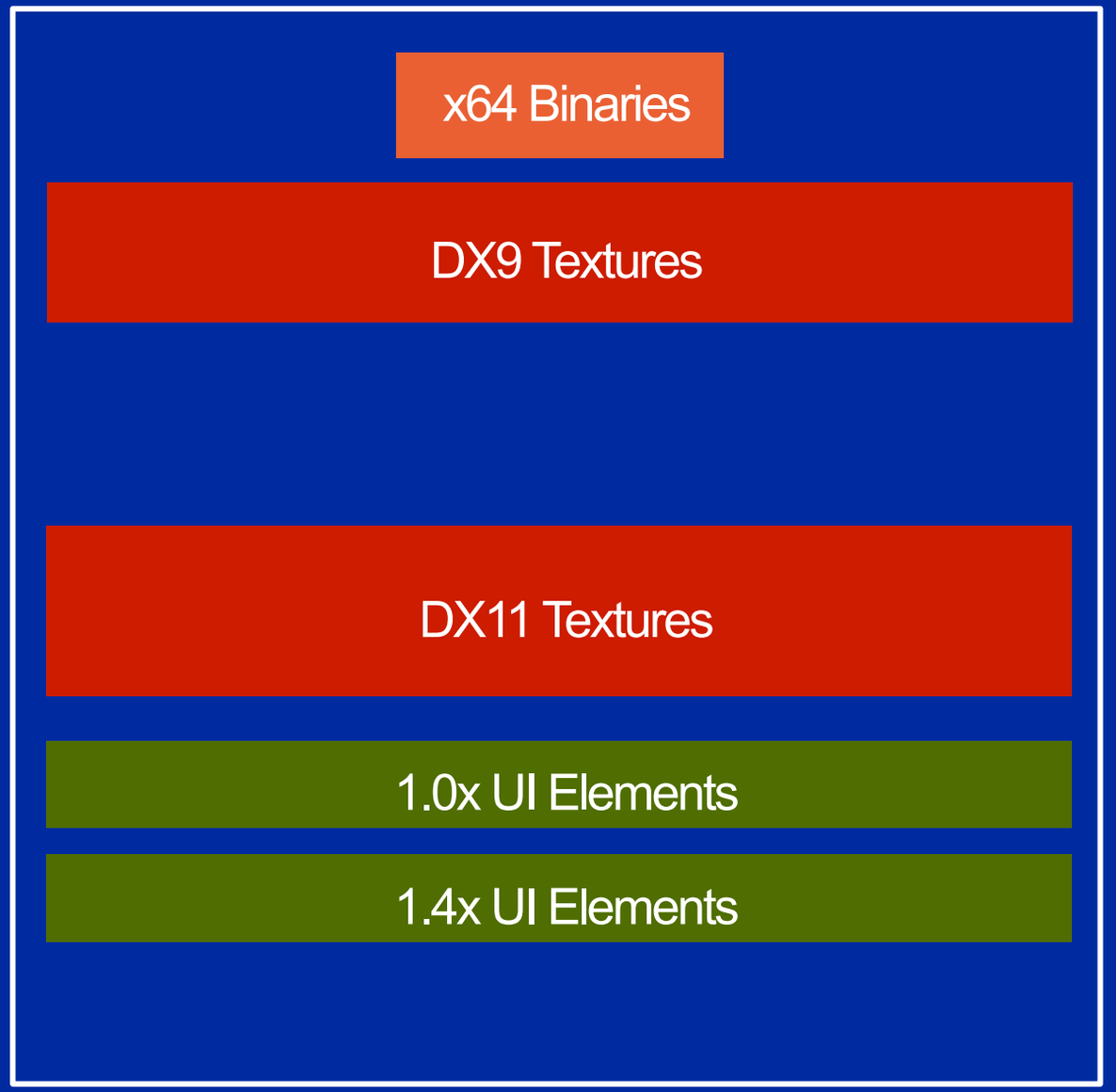


Deployment 2

x64 binaries

DX11 Textures

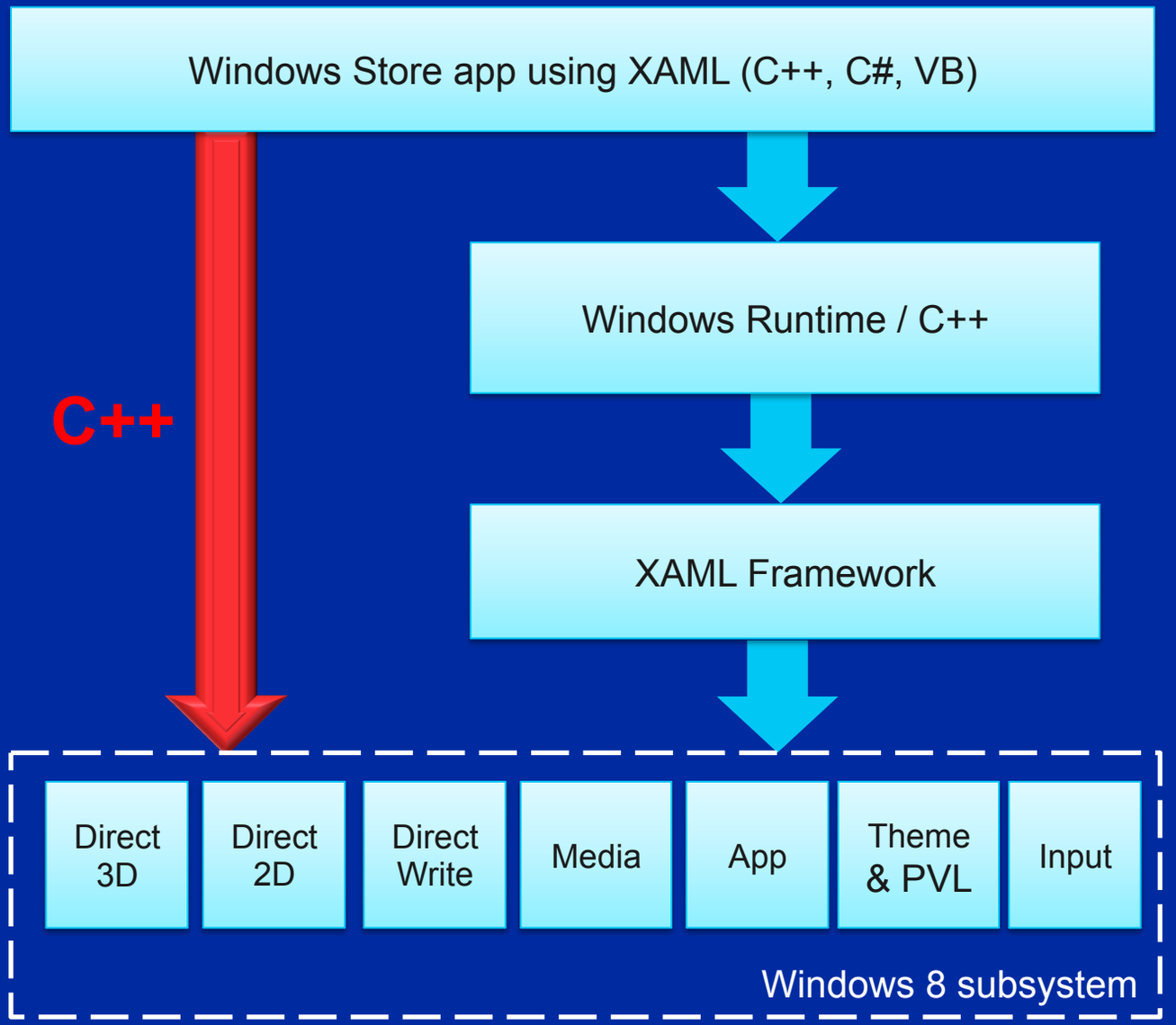
1.4x UI elements

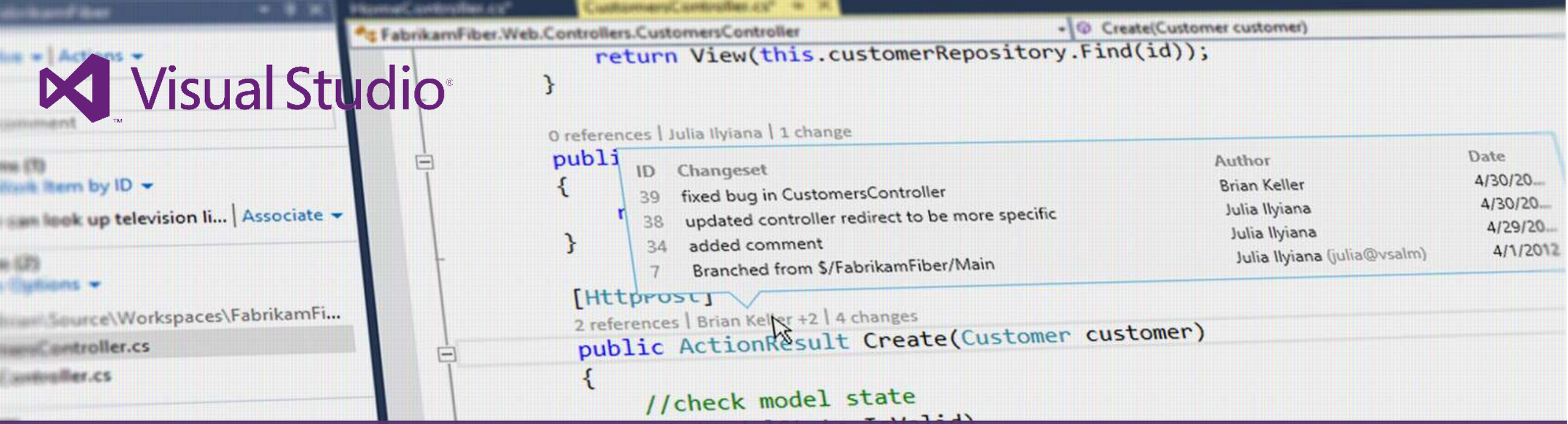


XAML + DirectX

DirectX interop in XAML provides developers the best of both worlds

- UI and controls? → Use XAML
- Custom graphics, image editing, *games*? → Use DirectX





Visual Studio 2013

@pacocuevas

Visual Studio 2013 pillars

Modern development

Next generation of applications for devices and services

Modern lifecycle

Continuous delivery of value with agility, scale, and quality

Visual Studio

Trends

Touch

Connected

Consumerization of IT

Social

Cloud/Services

Windows Game Developer Features

Windows 8

Direct3D 11.1

XAudio2

PointerPoint

MouseLook

XInput

C++

Windows 8.1

Direct3D11.2

- Tiled Resources
- Scalers & Overlays
- HLSL Shader linker

8-25GB packages

Multi-mon

Wi-Fi Direct

Many great applications that you use are built with DirectX interop:

- OneNote: custom display canvas
- FreshPaint: custom-rendered painting
- Bing Maps app
- Reader (PDF)
- Games!

OneNote Basics

XAML

DirectX

To-do lists

Shopping list

- [x] Milk
- [ ] Oranges
- [ ] Potatoes
- [x] Bread
- [ ] Cereal
- [x] Sugar

Priorities

- [ ] Check messages
- ★ Call Dave
- ? Follow up with Jim
- [x] Schedule appt.
- [ ] Call Janet

Flight details | Sights to see

Transportation

- Arrive at airport at 6am
- Plane departs at 8am
- Plane lands at 2pm

Ben

Reservation

- Hotel is for the 6th – 10th
- Do we need to extend the reservation by a day?

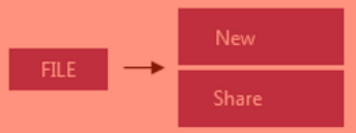
Tom

Remember everything

- Add Tags to any notes
- Make checklists and to-do lists
- Create your own custom tags

Collaborate with others

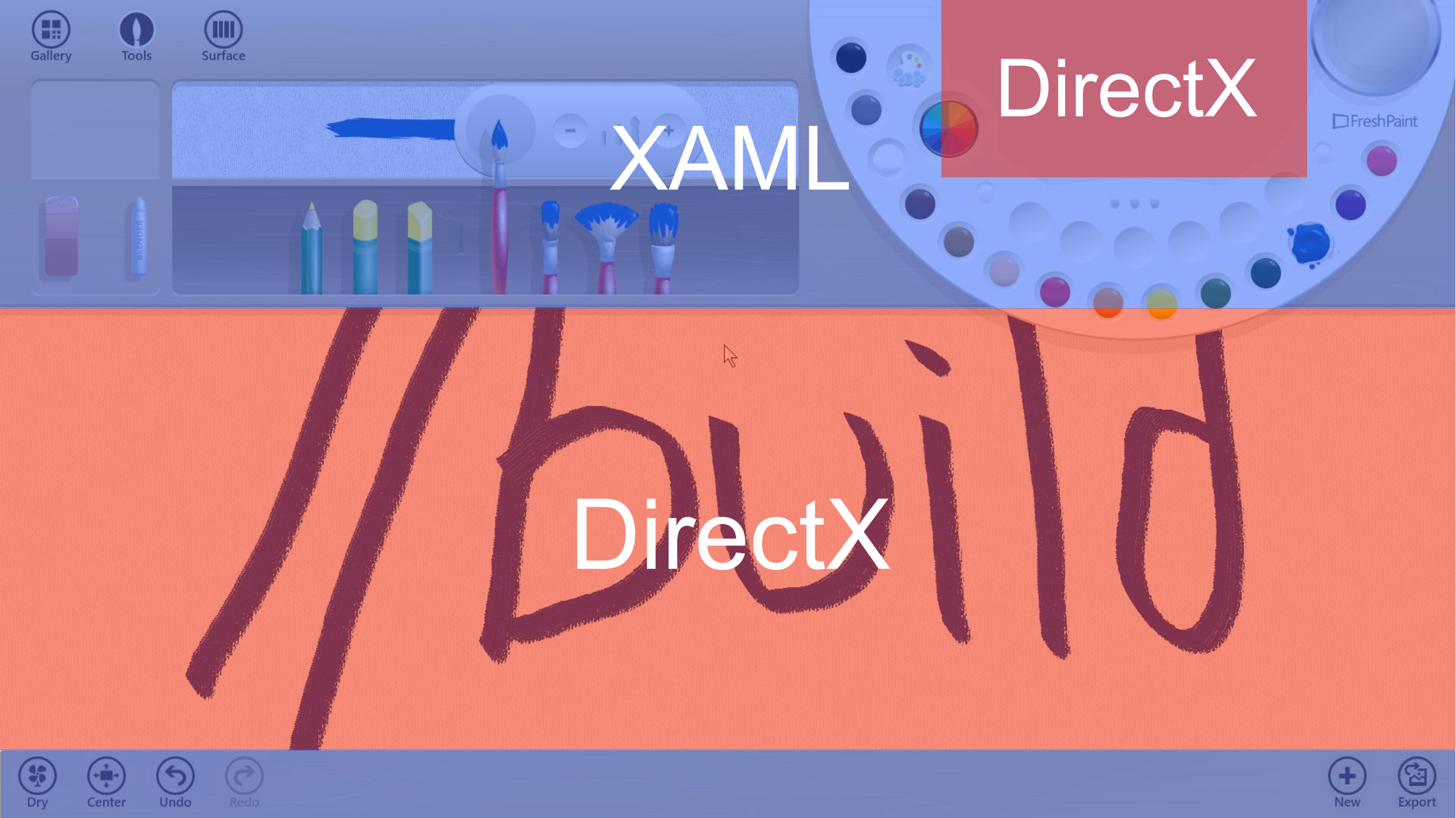
- Keep your notebooks on SkyDrive
- Share with friends and family
- Anyone can edit in a browser

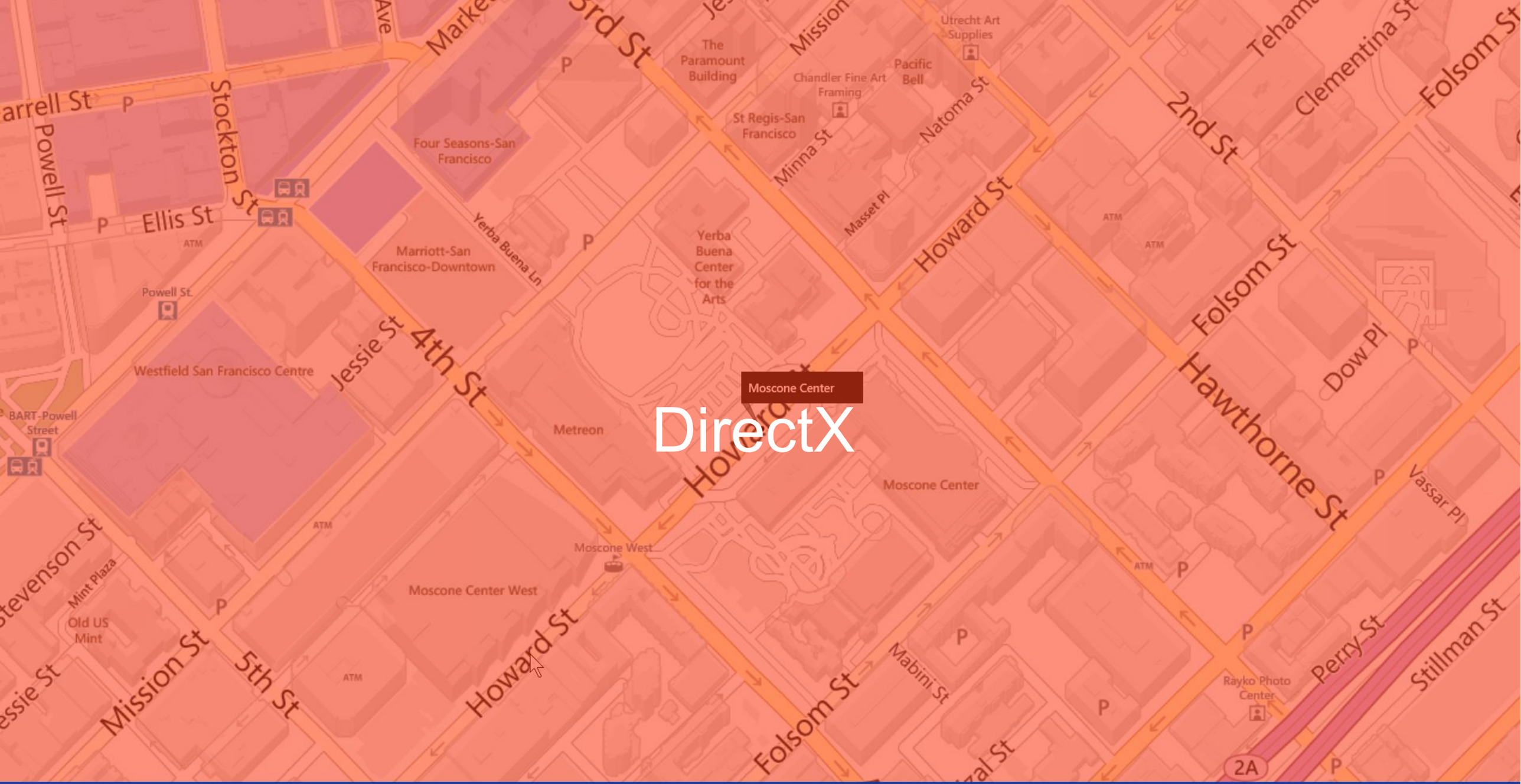


Keep everything in sync

- People can edit pages at the same time

MS


Gallery
Tools
Surface
XAML
DirectX
FreshPaint
Build
DirectX
Dry
Center
Undo
Redo
New
Export



bing

Clear map

Refine

XAM

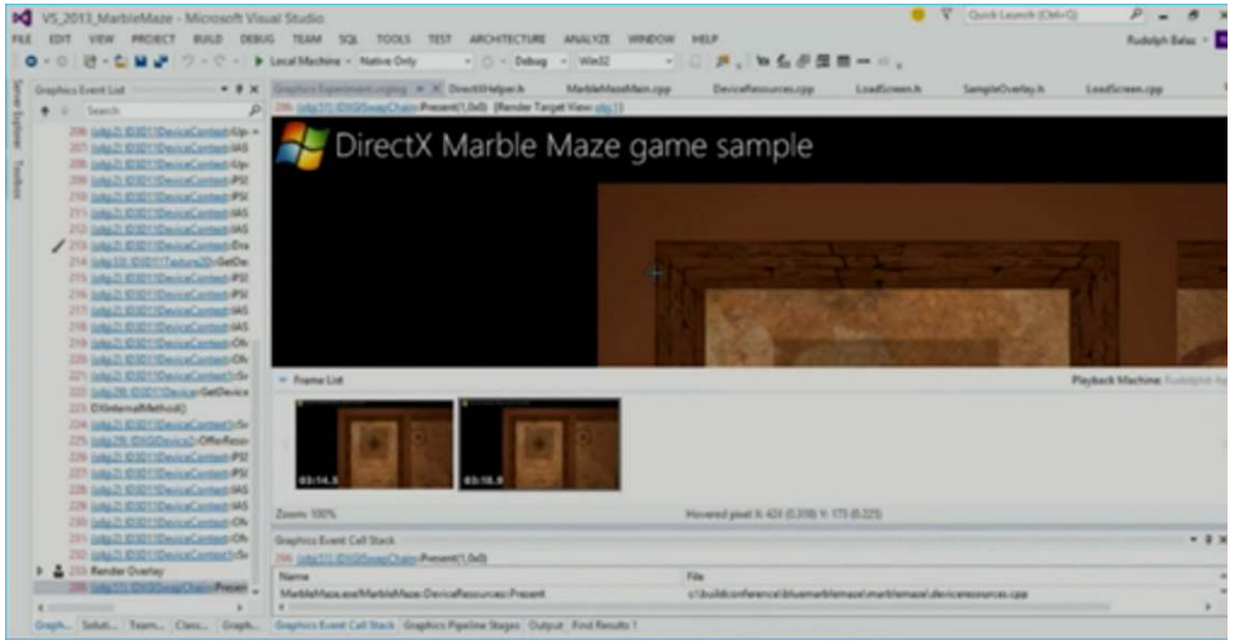
Show traffic

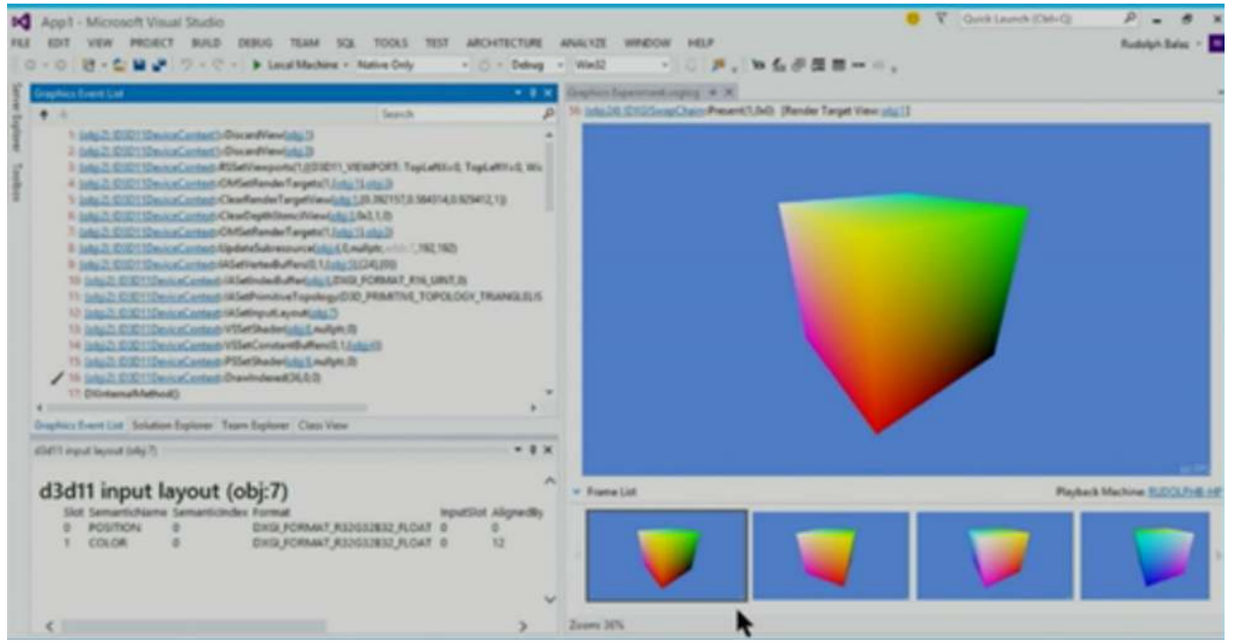
Map style

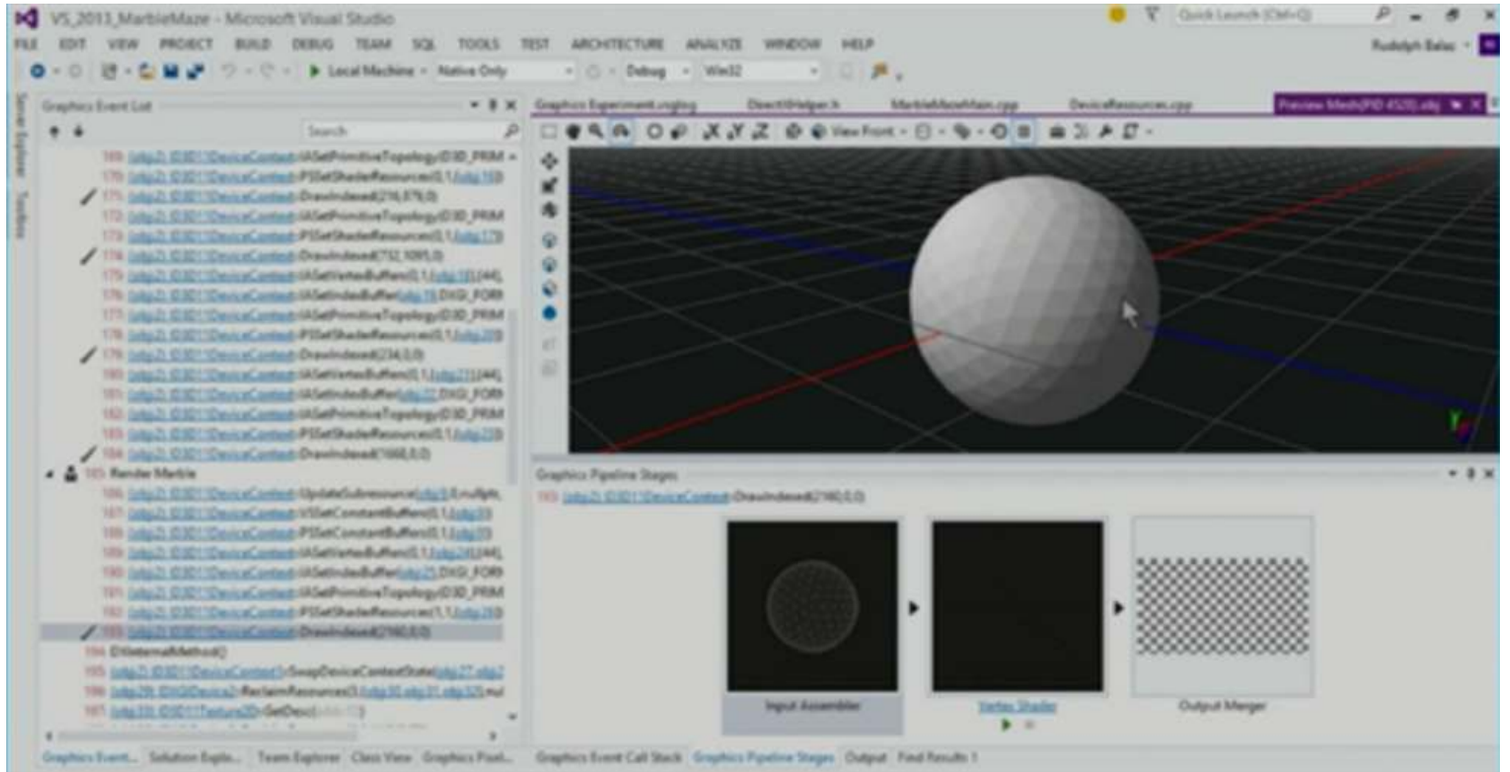
My location

Directions

Episodes
Collections
Achievements
Media
Help
XAML
Pause
DirectX
Hint
Locate your partner, Hawk

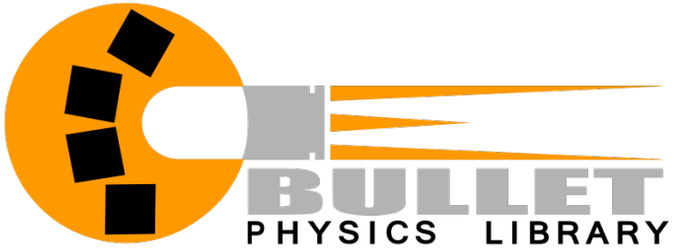

VS_2013_MarbleMaze - Microsoft Visual Studio
DirectX Marble Maze game sample


App1 - Microsoft Visual Studio
d3d11 input layout (obj:7)


VS_2013_MarbleMaze - Microsoft Visual Studio
Graphics Pipeline Stages
Input Assembler
Vertex Shader
Output Merger

Open Source Technologies

Box2D



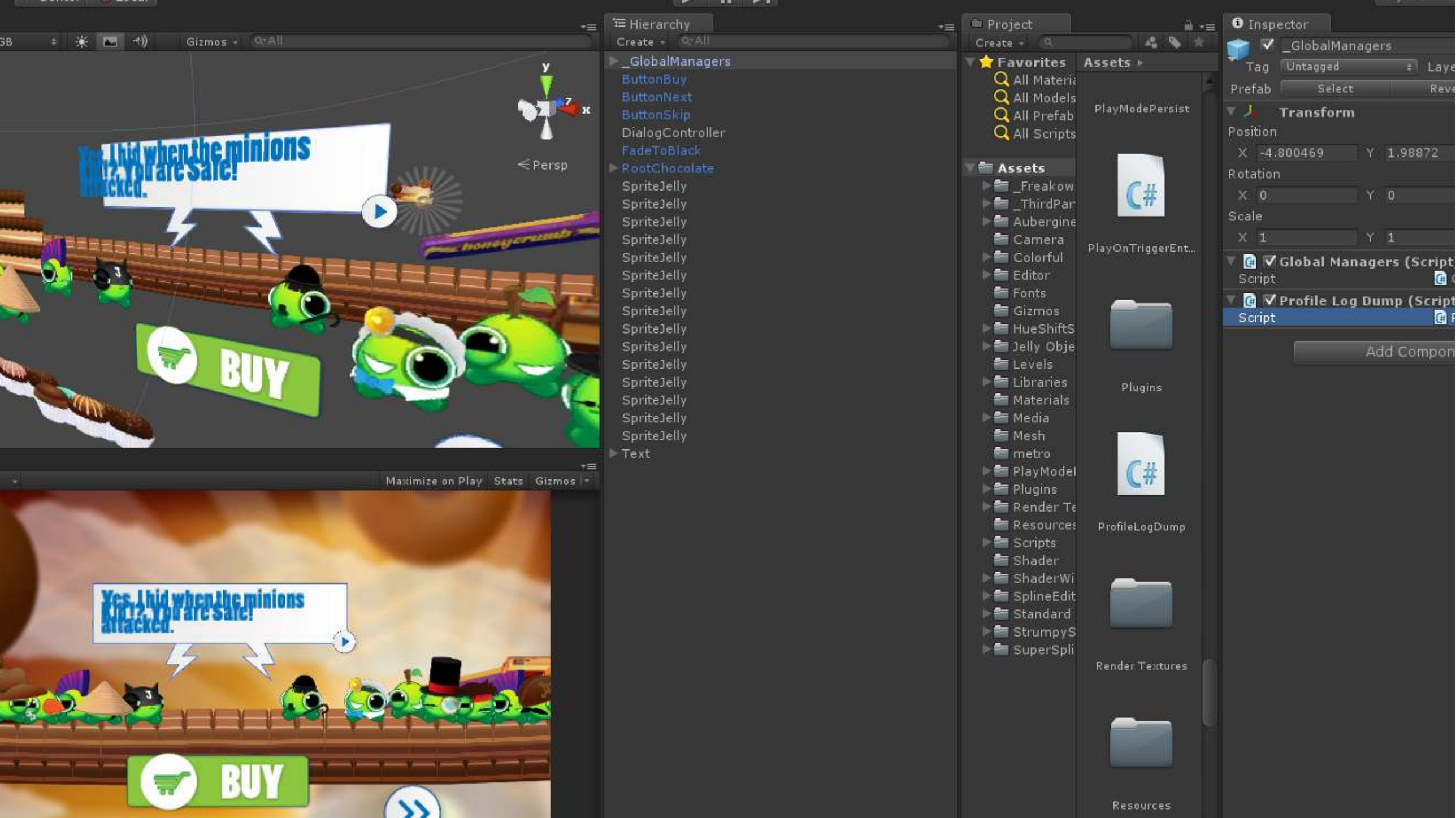
ANGLE

Commercial Middleware

Unity

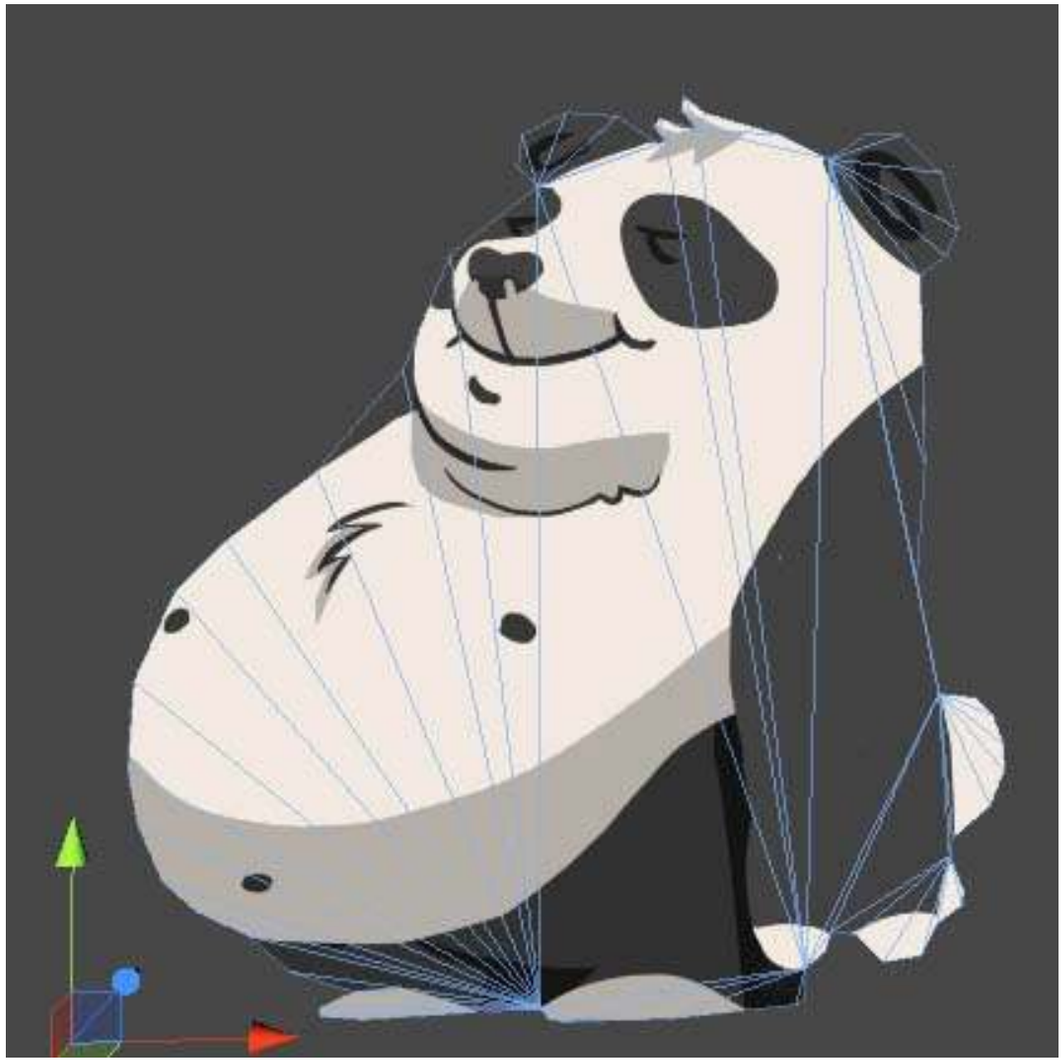
Porque el interés en este engine?

- 53% de los developers reportan su utilización.
- 1.7 millones de developers registrados
- Windows, Windows RT, Windows Phone, iOS, Xbox 360, OS X, Web, Wii, PlayStation, Android


Gizmos
Persp
BUY
Maximize on Play
Stats
Gizmos
BUY
Hierarchy
Create
_GlobalManagers
ButtonBuy
ButtonNext
ButtonSkip
DialogController
FadeToBlack
RootChocolate
SpriteJelly
Text
Project
Create
Favorites
All Materi
All Models
All Prefab
All Scripts
Assets
_Freakow
_ThirdPar
Aubergine
Camera
Colorful
Editor
Fonts
Gizmos
HueShiftS
Jelly Obje
Levels
Libraries
Materials
Media
Mesh
metro
PlayModel
Plugins
Render Te
Resources
Scripts
Shader
ShaderWi
SplineEdit
Standard
StrumpyS
SuperSpli
Assets
PlayModePersist
PlayOnTriggerEnt...
Plugins
ProfileLogDump
Render Textures
Resources
Inspector
_GlobalManagers
Tag
Untagged
Prefab
Select
Transform
Position
X -4.800469
Y 1.98872
Rotation
X 0
Y 0
Scale
X 1
Y 1
Global Managers (Script)
Script
Profile Log Dump (Script)
Script
Add Compon

Change Language
Unity
Gallery
Asset Store
Learn
Community
Company
Buy
Download
Workflow
Quality
Animation
Performance
Multiplatform
Collaboration
What's New
SCHOOL BUS
CPU Usage
Selected: Animator.Update

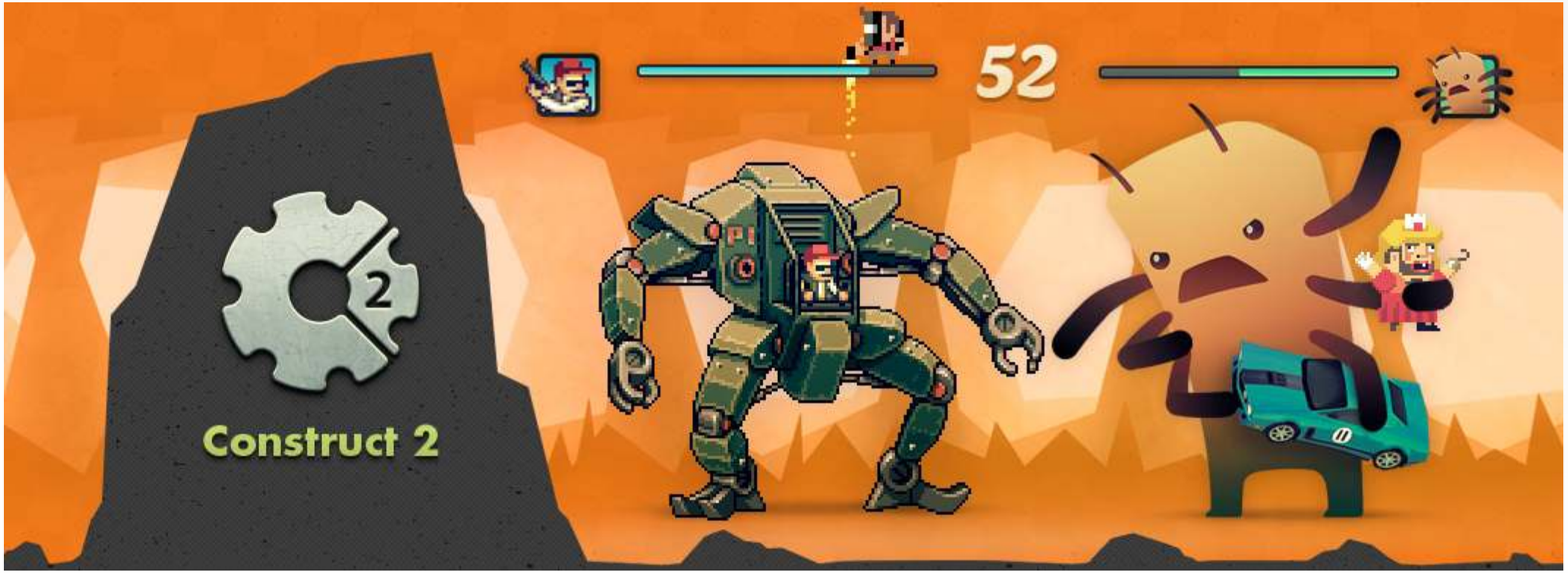
Sprite Meshes

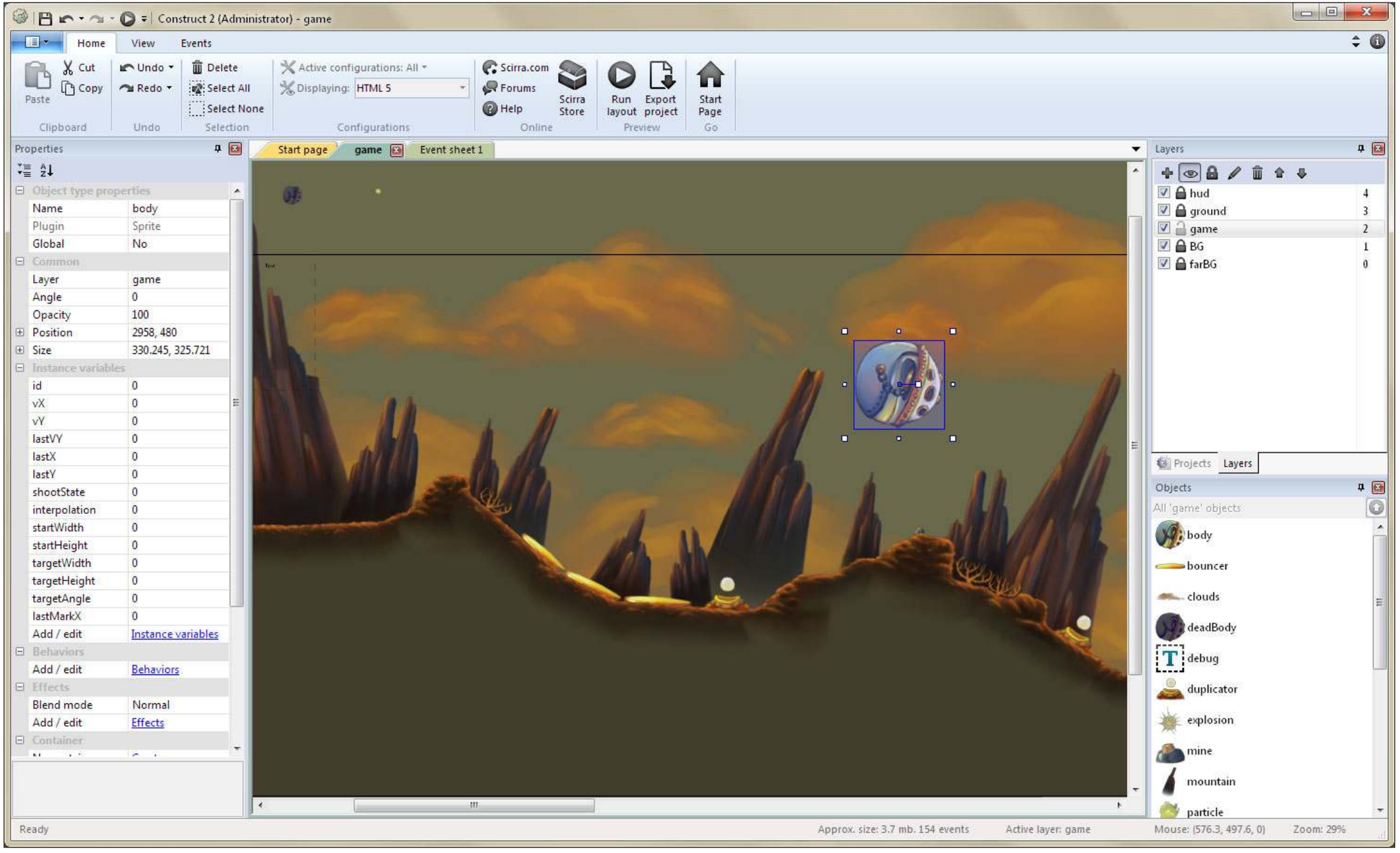


(Images provided courtesy of Bento Studio [Uni2D], 2013)

Construct 2

- Alineado a HTML5
- IDE intutitva y tutoriales sencillos
- Basado en eventos y comportamientos




Construct 2 (Administrator) - game
Home
View
Events
Paste
Cut
Copy
Undo
Redo
Delete
Select All
Select None
Active configurations: All
Displaying: HTML 5
Scirra.com
Forums
Help
Scirra Store
Run layout
Export project
Start Page
Clipboard
Undo
Selection
Configurations
Online
Preview
Go
Properties
Object type properties
Name body
Plugin Sprite
Global No
Common
Layer game
Angle 0
Opacity 100
Position 2958, 480
Size 330.245, 325.721
Instance variables
id 0
vX 0
vY 0
lastVY 0
lastX 0
lastY 0
shootState 0
interpolation 0
startWidth 0
startHeight 0
targetWidth 0
targetHeight 0
targetAngle 0
lastMarkX 0
Add / edit Instance variables
Behaviors
Add / edit Behaviors
Effects
Blend mode Normal
Add / edit Effects
Container
Start page
game
Event sheet 1
Layers
hud 4
ground 3
game 2
BG 1
farBG 0
Projects
Layers
Objects
All 'game' objects
body
bouncer
clouds
deadBody
debug
duplicator
explosion
mine
mountain
particle
Ready
Approx. size: 3.7 mb. 154 events
Active layer: game
Mouse: (576.3, 497.6, 0)
Zoom: 29%

Store

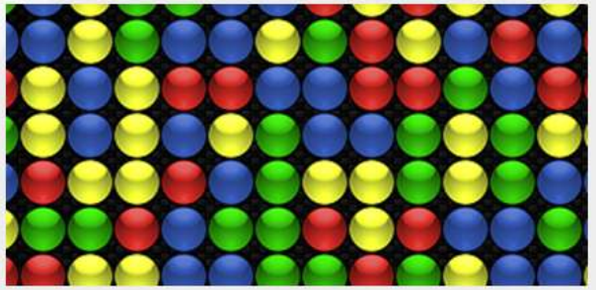
Search for apps

Temple Run: Brave

Staff pick

Play as Merida and embark on an exciting adventure as you sprint across Scotland collecting coins. Use quick reflexes and a bow to run, jump, slide, and shoot your way to glory while avoiding obstacles and Mordu.

Picks for you ›



One of the top 25 downloaded Games apps last week

Not interested

BubbleBreaker

Press the color of your choice and the same colored bubbles that adjoins explode. The more you blow up bubbles simultaneously, the

Free ★★★½☆ 8799 Games

One of the top 25 downloaded Games apps last week

Not interested

Microsoft Mahjong

Top 5 Free Game in the Windows Store! Microsoft Mahjong is the classic matching game updated with beautiful imagery, intuitive

Free ★★★★☆ 11025 Games

Games

Search for apps

Jetpack Joyride
From Xbox
Strap in and fly as Barry Steakfries, collecting coins and powerups to customize your jetpack, clothes, and awesome robot dog, Flash. Fun, adventure, and Mr. Cuddles await!

Popular now ›

ScribbleMix
Play the new Monsters University pack in ScribbleMix, the fun and addictive social
Free ★★★★☆ 584

Fairway Solitaire
Fairway Solitaire golf and solitaire
Free ★★★★★ 7

Pirate's Path
The BEST match-3 game on the marketplace! Pirate's Path leads you through a story with
Free ★★★★☆ 111

Zombie HQ
*The city seems bars shut down,
Free ★★★★★ 1

Popular now in Games 40 apps

Search for apps

ScribbleMix
Play the new Monsters University pack in ScribbleMix, the fun and addictive social
Free ★★★★☆ 584

Fairway Solitaire by Big Fish
Fairway Solitaire is a unique combination of golf and solitaire that makes it one of the most
Free ★★★★★ 766

Rule the Kingdom
Rule the Kingdom: fantastic RPG action, city building, farming and storytelling! An epic RPG
Free ★★★★★ 12

Royal Revolt!
Royal Revolt is a brand new re game for Windows with beaut
Free ★★★★★ 668

Pirate's Path
The BEST match-3 game on the marketplace! Pirate's Path leads you through a story with
Free ★★★★☆ 111

Zombie HQ
*The city seems strange these days. All the bars shut down, nowhere to get a drink and
Free ★★★★½ 16

Endless Skater
Flip, Grab, and Grind your way to the longest runs and highest scores in Endless Skater! Air it
Free ★★★½☆ 432

Mario Bros Memory Game
Enjoy the classic game of mem favorite game is Mario Bros, yo
Free ★★½☆☆ 10

New Releases in Games 40 apps

Search for apps

Airwolf: ZX Spectrum
The ZX Spectrum is an 8-bit personal home computer released in the UK in 1982 by Sinclair
$1.99 (free trial) Not yet rated

Scooby Doo: ZX Spectrum
The ZX Spectrum is an 8-bit personal home computer released in the UK in 1982 by Sinclair
$1.99 (free trial) Not yet rated

Zombie HQ
*The city seems strange these days. All the bars shut down, nowhere to get a drink and
Free ★★★★½ 16

Where's My Mickey? XL
*Join Mickey on a brand new a Disney's most popular mobile
$4.99 ★★★★☆ 16

Midnight Resistance: ZX Spectrum
The ZX Spectrum is an 8-bit personal home computer released in the UK in 1982 by Sinclair
$1.99 (free trial) Not yet rated

Tap a Lion!
Tap a Lion! Here's a safe new way for you to play with lions without having to be viciously
Free Not yet rated

15 DeluXe
15 DeluXe is a simulation of the famous 15 Puzzle with blocks numbered from one to
$1.99 (free trial) Not yet rated

Supermarket Mania® 2 (Full)
Nikki and her friends adventur to help save Uncle Ross' super
$6.99 (free trial) ★★★★★ 5

Top paid in Games 40 apps

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Angry Birds Star Wars
JOIN THE ANGRY BIRDS IN THEIR BIGGEST ADVENTURE YET! A long time ago in a galaxy
$4.99 (free trial) ★★★½☆ 2267

Bejeweled LIVE
It's high-carat Bejeweled gem-matching fun! Discover all-new ways to match 3 gems in the
$4.99 (free trial) ★★★½☆ 560

Rayman Jungle Run
The legendary platforming hero is back in a brand new adventure!
$2.99 (free trial) ★★★★★ 880

Crash Course Go!
*Crash Course Go is the Windo the highly successful game for
$1.49 (free trial) ★★★★★ 233

Angry Birds Space
ALL NEW ANGRY BIRDS GAME FROM ROVIO -- the #1 mobile game of all time blasts off
$4.99 (free trial) ★★★½☆ 1438

Fruit Ninja
Slice across the screen to deliciously slash and splatter fruit like a true ninja warrior. Be careful
$1.99 (free trial) ★★★★★ 4570

Hydro Thunder Hurricane
The adrenaline-soaked sequel to Midway's legendary arcade racer is now available on
$9.99 (free trial) ★★★★★ 1881

Reckless Racing Ultimate
*** Now, $4.99! *** The ultimat acclaimed Reckless Racing top
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Crash Course Go!

Search for apps

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$1.49 ★★★★☆ 220

When you install an app, you agree to the Terms of Use and any additional terms.

Description

"Crash Course Go is the Windows 8 version of the highly successful game for XBOX Live, "Doritos Crash Course". It's about a game-show game like no other. Run, jump and swing your XBOX Live Avatar through a physics-based world and complete the courses as q...

Content Rating: Everyone

Mild Fantasy Violence

Features

- ...

Show more

Race along different obstacles

Published by Microsoft Studios
© 2012 Microsoft Corporation

Category Games > Action
Approximate size 97.2 MB

This app has permission to use some device capabilities that may affect your privacy.

Ratings

4.0

★★

220 total

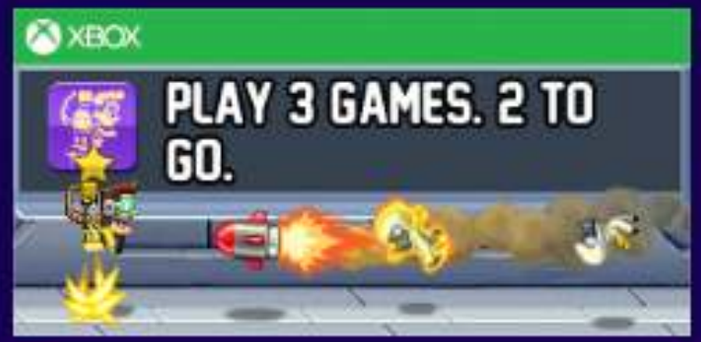
5 stars
4 stars
3 stars
2 stars
1 star

58 total re

Displaying m

XBOX
JETPACK JOYRIDE

XBOX
TOP SCORE
1,848M
CASH: 1,255


XBOX
PLAY 3 GAMES. 2 TO GO.

XBOX
REACH 500M WITHOUT COLLECTING ANY COINS.

XBOX
FRUIT NINJA

XBOX
SENSEI'S FRUIT FACT
PEACHES WERE ONCE KNOWN AS PERSIAN APPLES.

XBOX
CLASSIC HIGH SCORE: 381

XBOX
DOUBLE POINTS
FRENZY
FREEZE
ARCADE HIGH SCORE: 447

BEEFCAKE TIME!
TOON STORE
RESTORE PURCHASES
40,000
USD $0.99
4,200,000
USD $59.99
260,000
USD $4.99
20K COINS, COIN MAGNET & PERMA-LASER DOG
USD $0.99
1,200,000
USD $19.99
HOT!
PERMANENT PETS
USD $5.99

Nuevos tamaños

Mantente jugando…

…mientras llamas por Skype

…mientras esperas un email

…mientras descargas archivos

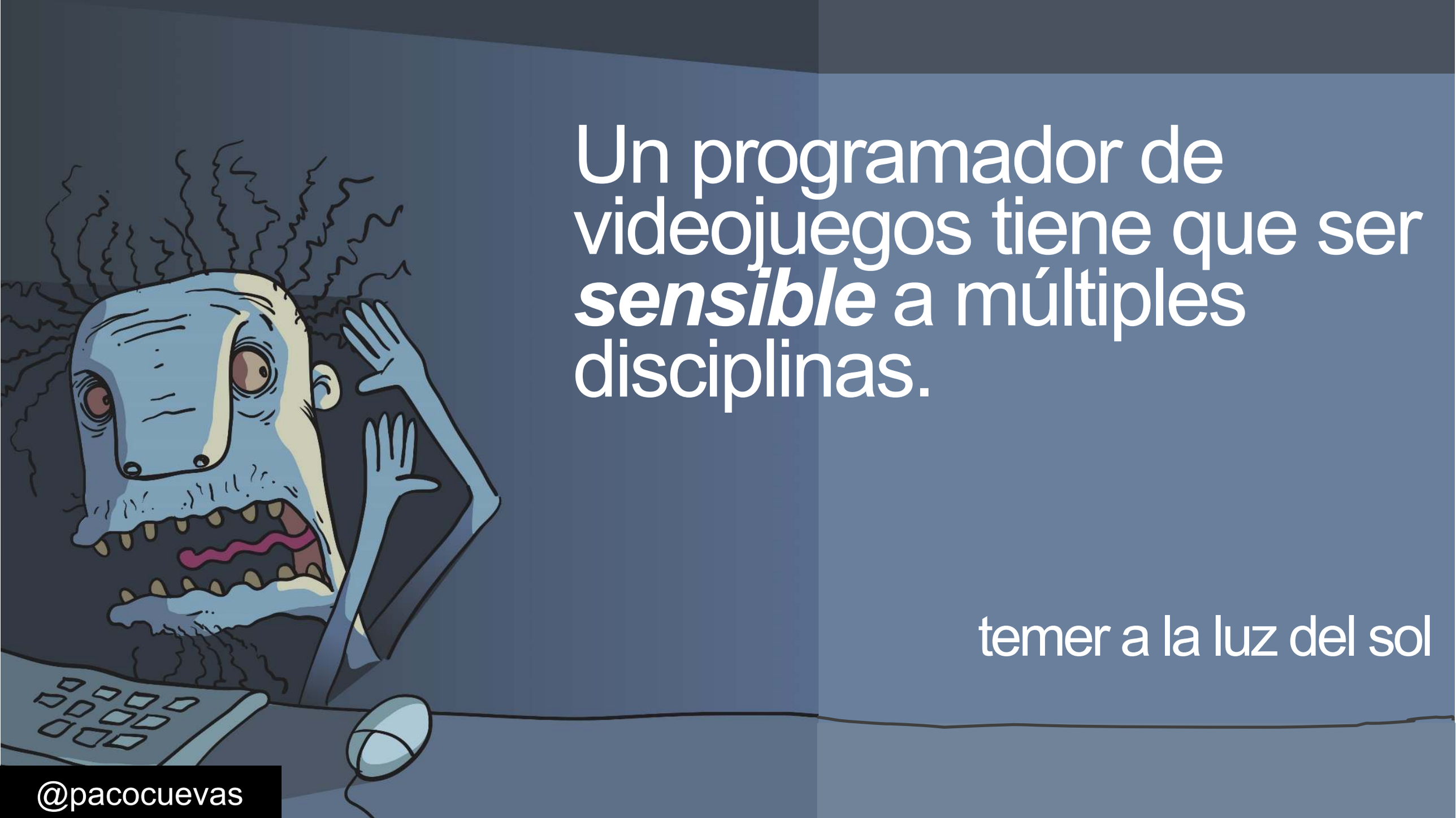
…mientras compilas tu juego ;)

People

Facebook

Add a message

The Harvest app for Windows in t...
http://apps.microsoft.com/webpdp/app/acdb7255...
Learn more about The Harvest by Microsoft Studios and download it from the Windows Store



Un programador de videojuegos tiene que ser ***sensible*** a múltiples disciplinas.

temer a la luz del sol

@pacocuevas

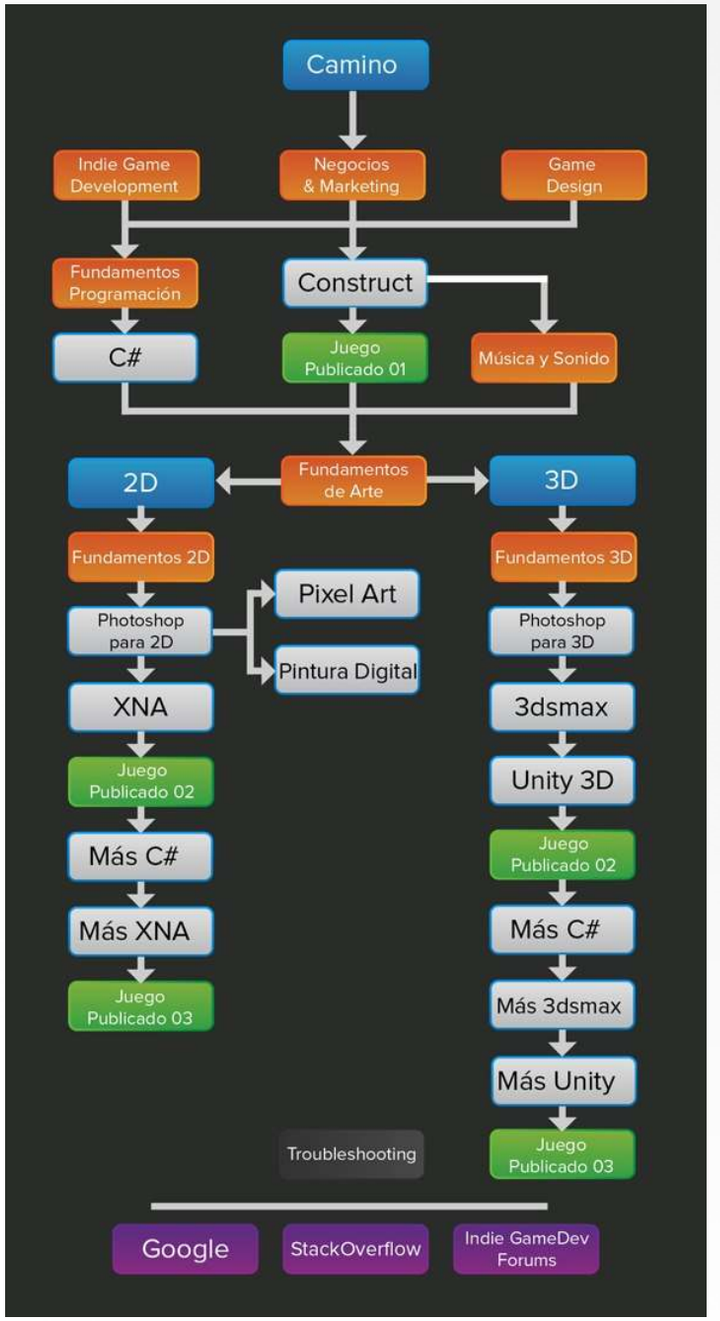
Un programador de videojuegos NO forzosamente es un ***jugador***.

la inspiración puede venir de otras fuentes

@pacocuevas

Rutas, Herramientas, Habilidades

- Soy un artista gráfico
- Tengo muchas habilidades para codificar
- Me gusta crear historias
- Tengo talento para jugar
- Soy músico
- Quiero ganar dinero
- Quiero ayudar
- Soy curioso…



Entre más simple más ***adictivo*** por lo tanto más ***descargas*** que se podrían traducir en mas ***dinero***.

Revenue Sharing - Coparticipación

Inicia en

70%

Para apps nuevas

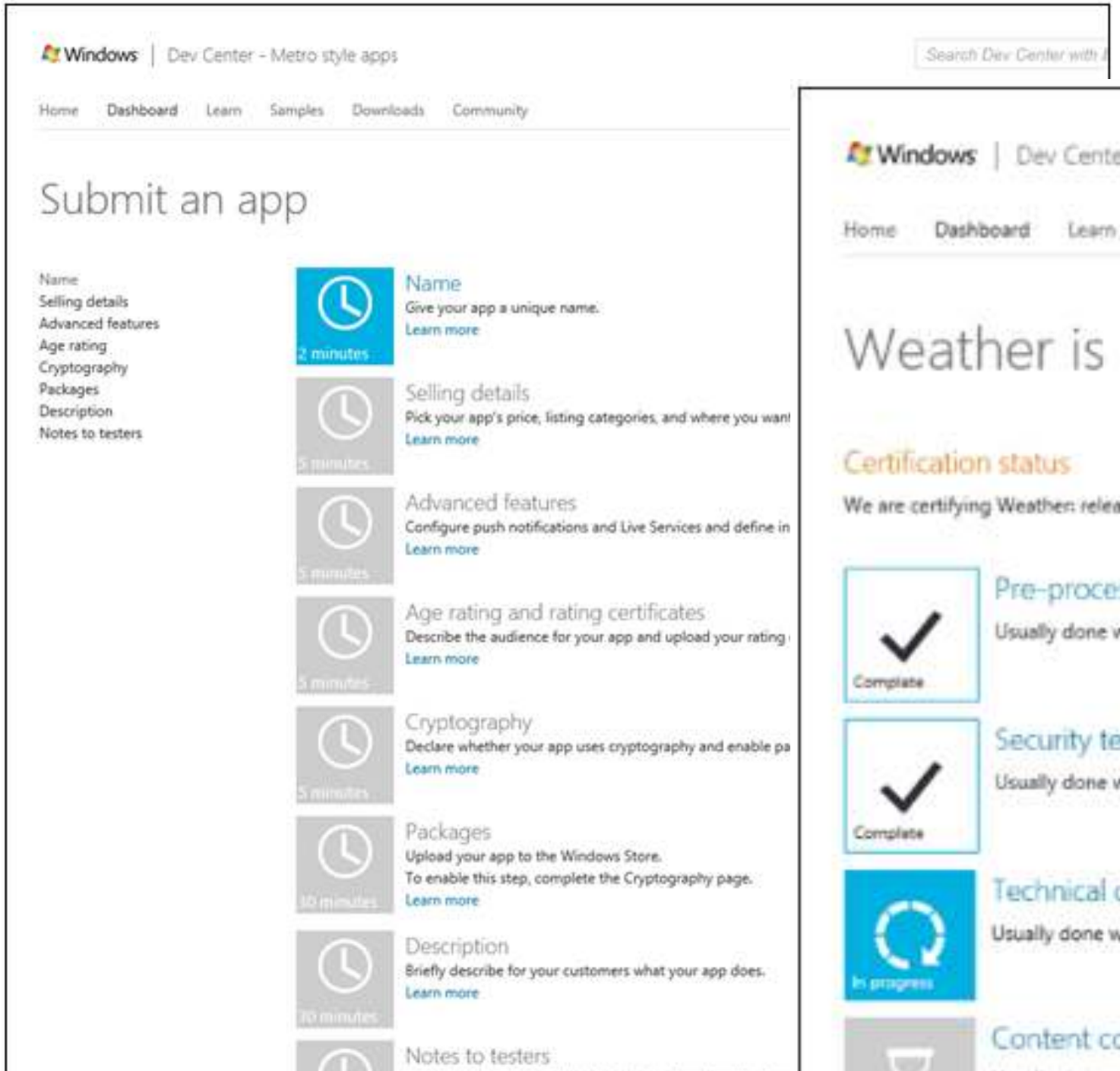
Hasta un

80%

una vez que tu app ha vendido $25,000

Alcance Sin Precedentes

Tiendas & Apps en:	Se podrá compar desde:	Local pricing & settlement:
100+ lenguajes	200+ mercados	70+ markets (including top 40 by GDP)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Age rating
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Description
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Give your app a unique name.
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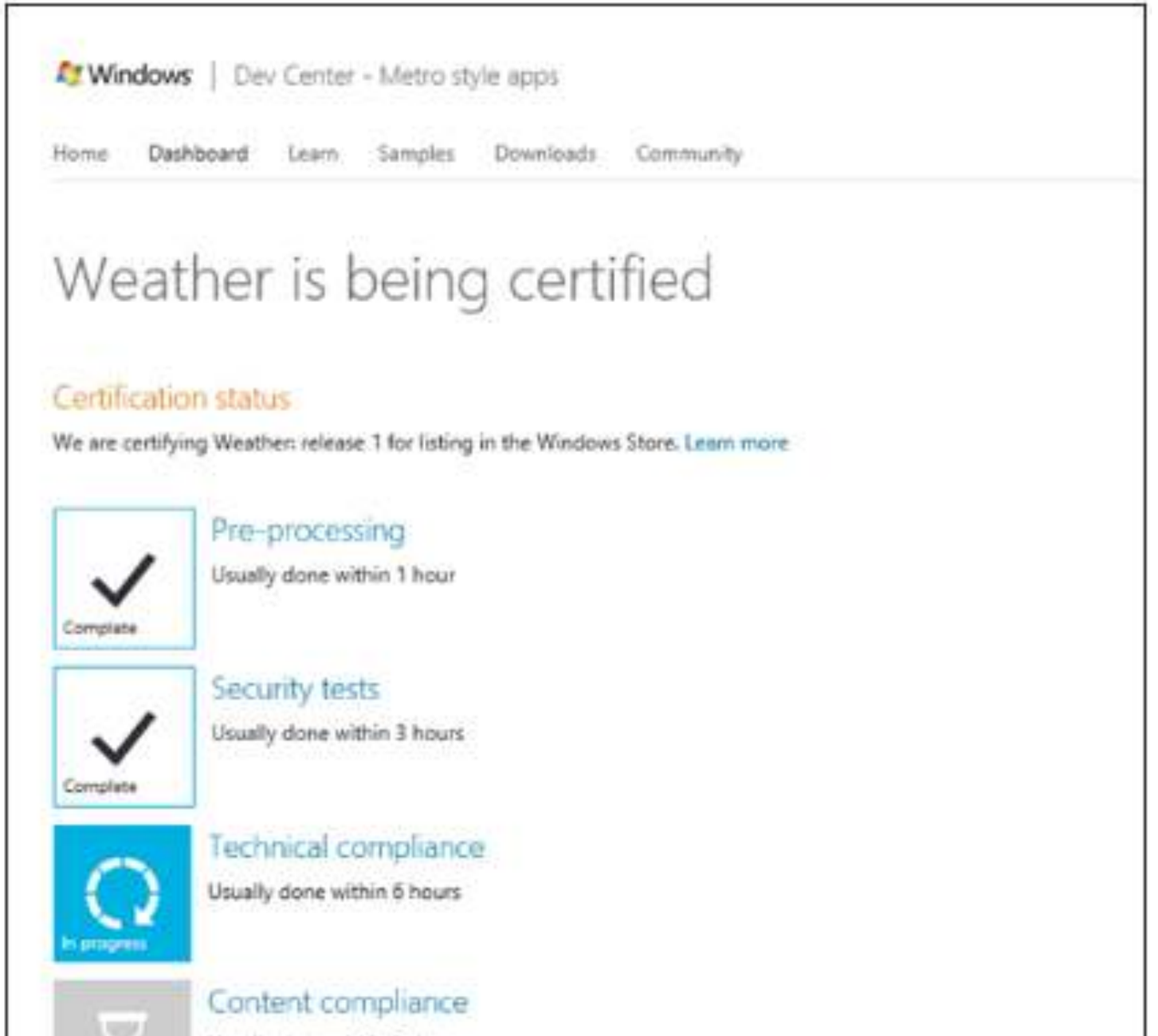
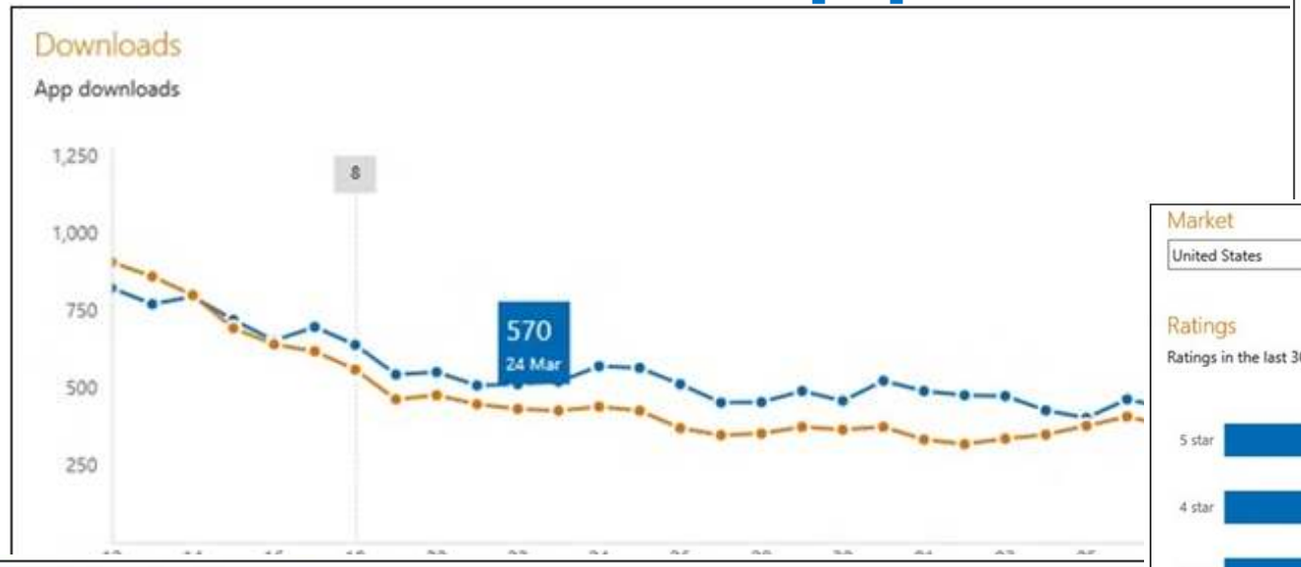
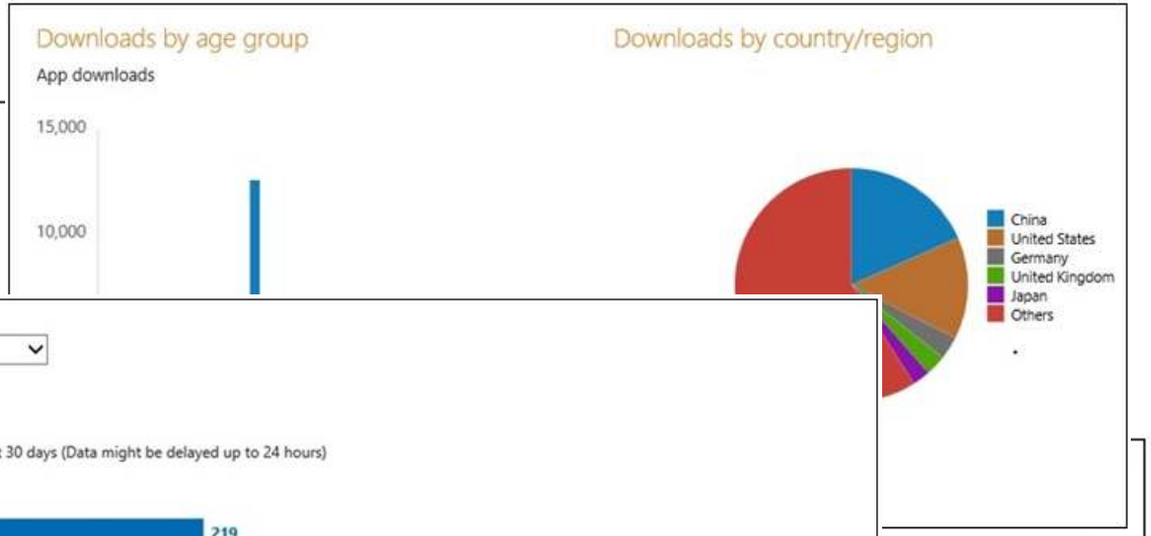
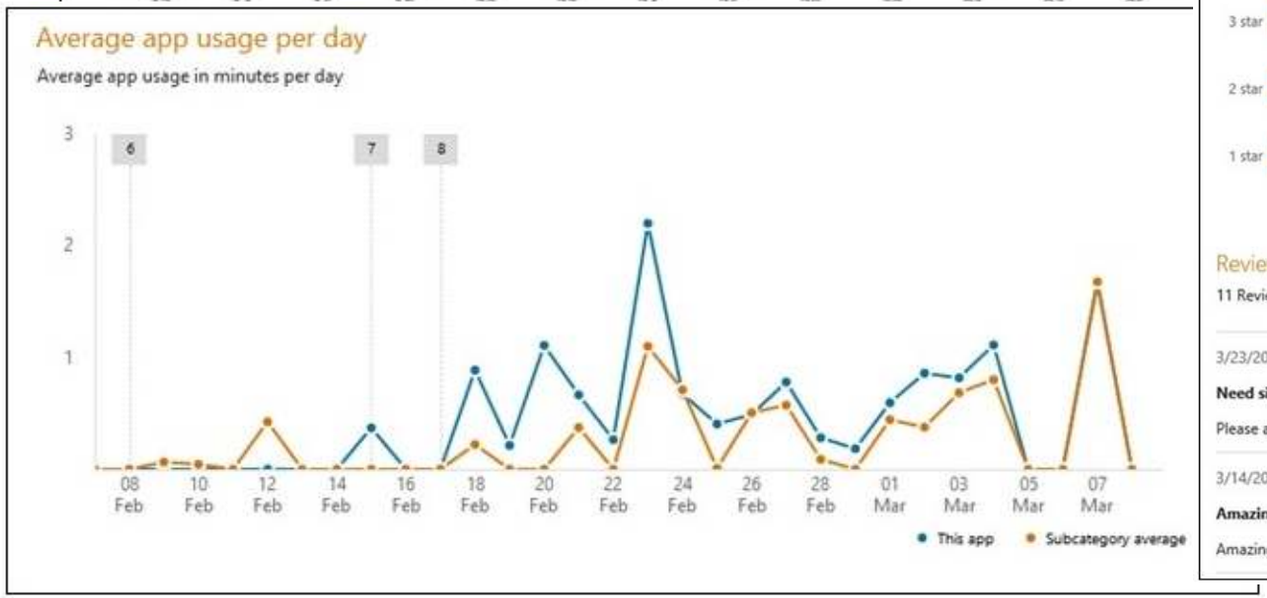
2 minutes
Selling details
Pick your app's price, listing categories, and where you want
Learn more
5 minutes
Advanced features
Configure push notifications and Live Services and define in
Learn more
5 minutes
Age rating and rating certificates
Describe the audience for your app and upload your rating
Learn more
5 minutes
Cryptography
Declare whether your app uses cryptography and enable pa
Learn more
5 minutes
Packages
Upload your app to the Windows Store.
To enable this step, complete the Cryptography page.
Learn more
10 minutes
Description
Briefly describe for your customers what your app does.
Learn more
10 minutes
Notes to testers


Windows | Dev Center - Metro style apps
Home Dashboard Learn Samples Downloads Community
Weather is being certified
Certification status
We are certifying Weather: release 1 for listing in the Windows Store. Learn more
Complete
Pre-processing
Usually done within 1 hour
Complete
Security tests
Usually done within 3 hours
In progress
Technical compliance
Usually done within 6 hours
Content compliance

Análisis de Apps







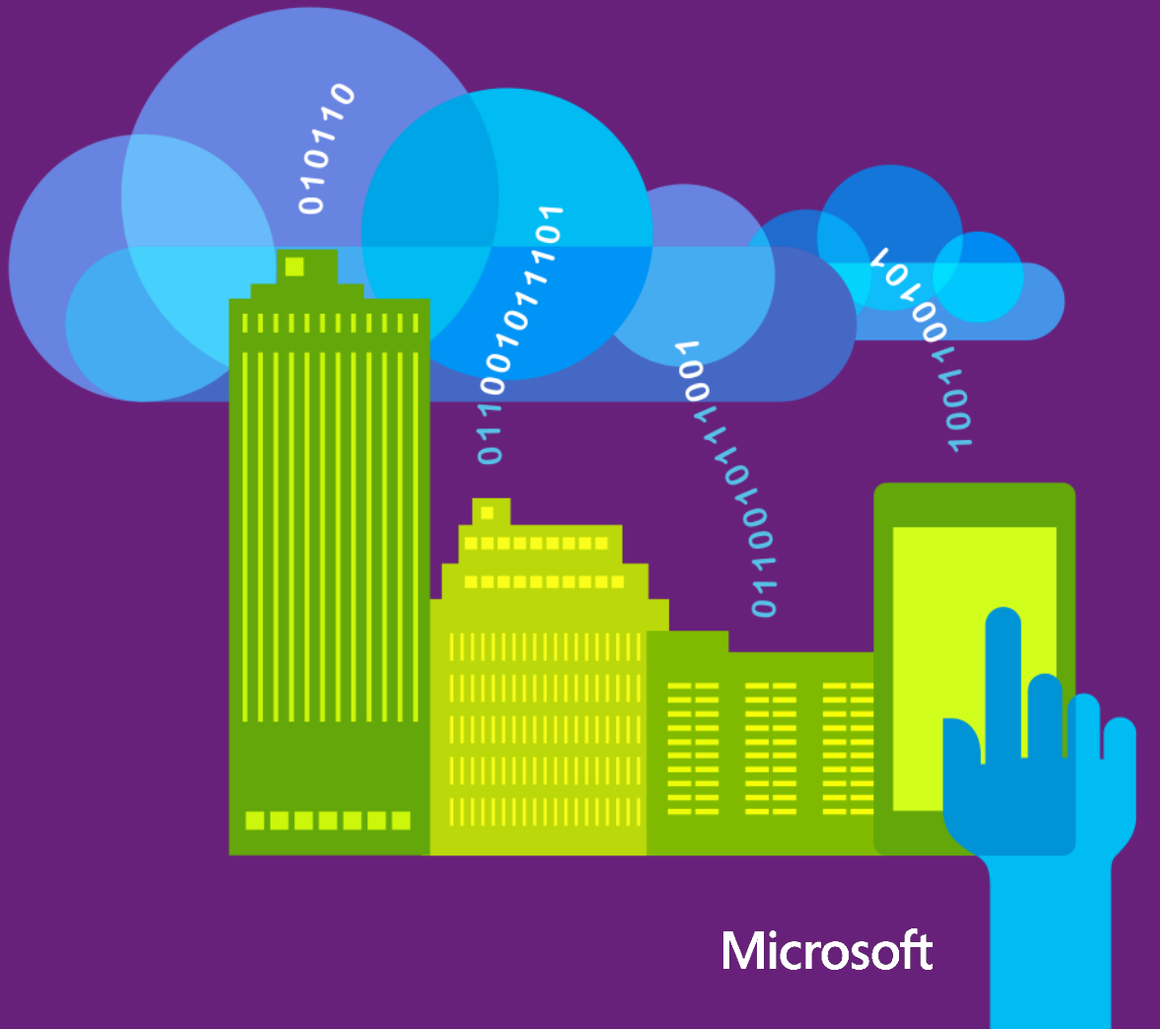
Microsoft

Para dudas de licenciamiento de **Visual Studio 2013** escríbanos a

dpemextools@microsoft.com

Visual Studio

LAUNCH: 13.NOV.13



Regístrese aquí:

http://aka.ms/VS2013Online

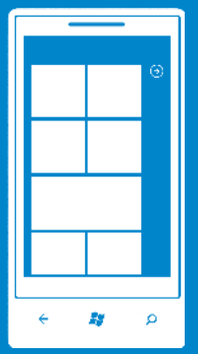
Complete la evaluación y tendrá posibilidad de ganar en la trivia:

Por favor complete la evaluación

http://aka.ms/SGvirtual

Visual Studio

Son muchas las maneras de enviar feedback:



Escanee el siguiente tag conteste y participe para ganar premios

*Esta trivia aplica solo para la República Mexicana

@pacocuevas

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