

Windows 8 Development

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Windows 8

Windows 8

- **Windows 8 (x86, x64)**
 - Intelova arhitektura (laptopi, stolna računala...)
 - Desktop i Windows Store aplikacije
- **Windows 8 RT (ARM)**
 - Dolazi instaliran na ARM-Based uređajima
 - Windows Store aplikacije
 - Neke desktop aplikacije portane su na ARM (Windows Office, IE itd.)

Windows 8 Apps

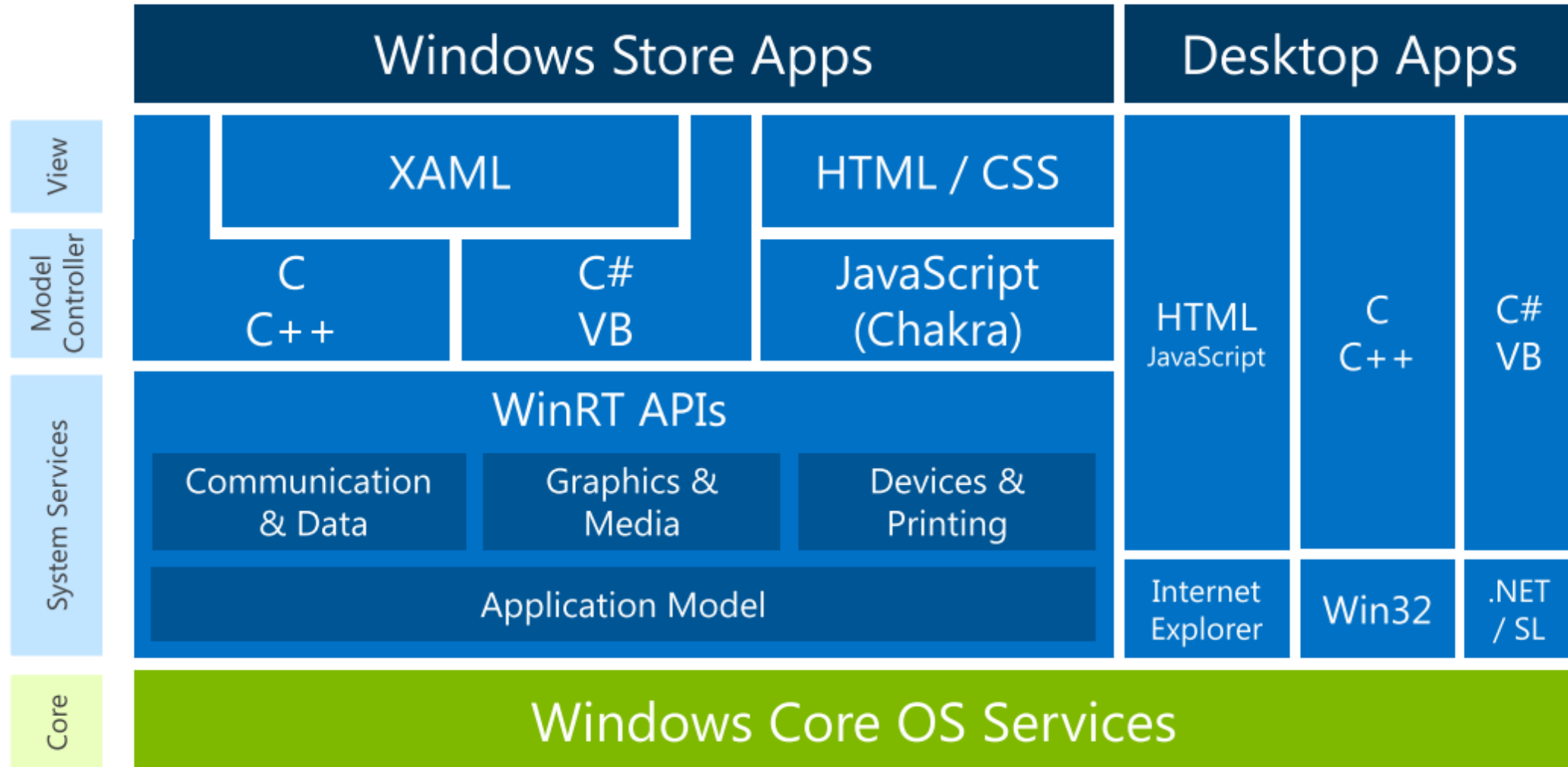
- **Windows Store Apps**

- Windows Runtime API (WinRT) – C# / VB, C++ / C, JavaScript
- FullScreen apps
- Windows 8 Style – Minimalizam, fluidan i neprekinut rad
- Prilagođene prijenosnim uređajima
- Izvodive na Windows 8 i Windows 8 RT

- **Desktop**

- Win 32 API (C/C++) ili .NET API (C# / VB)
- Prozori, alatne trake, multitasking...
- **Nisu izvodive na Windows 8 RT!**

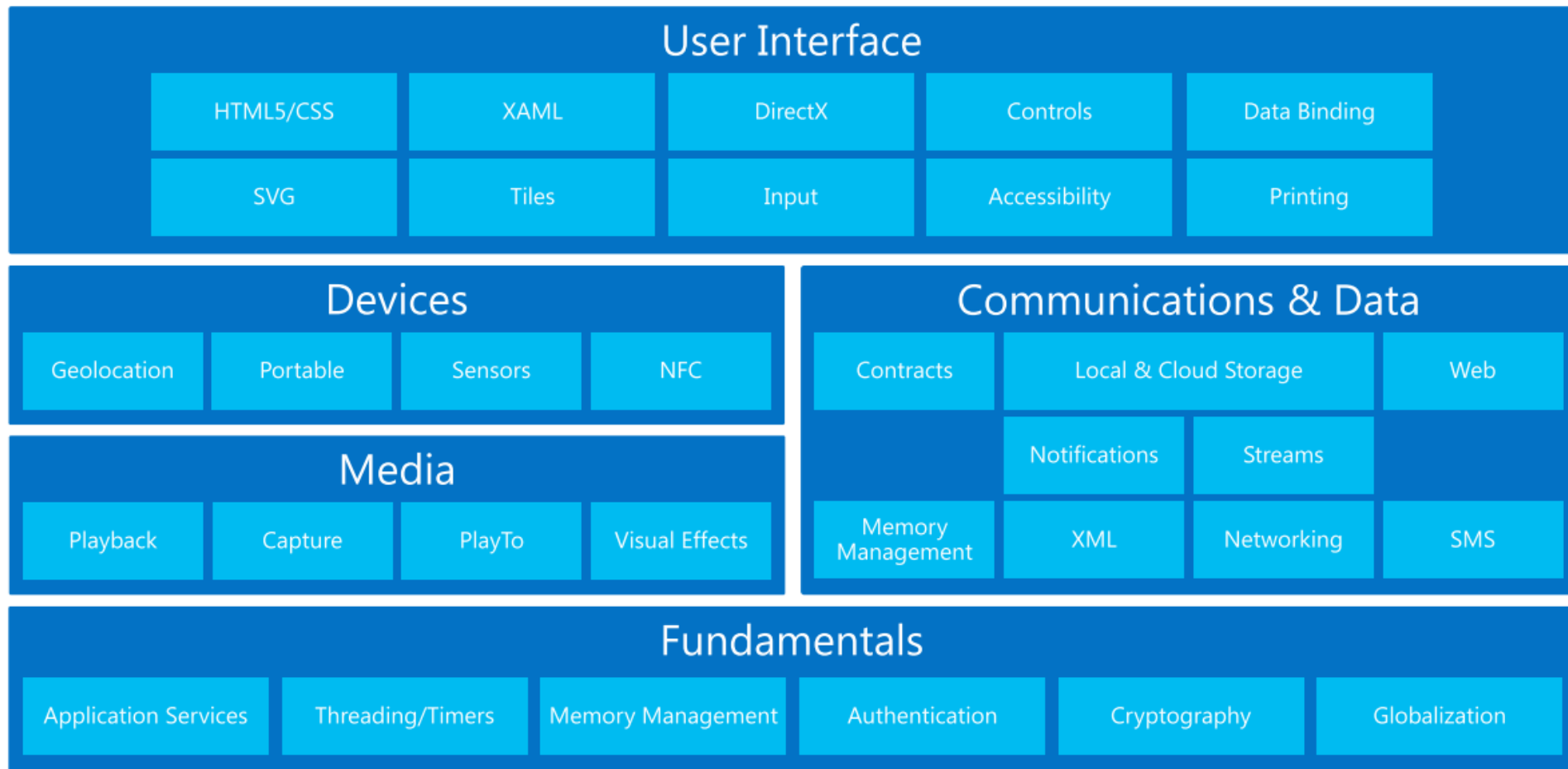
Arhitektura W8Apps



WinRT API

WinRT API

- Pristup uređaju, operacijskom sustavu i servisima



WinRT API

- Podržana ARM i Intel x86 / x64 arhitektura
- Multilanguage
 - C#, VB, C/C++, Javascript

WinRT API

- Asinkrone operacije (await, async keywords)

```
var data = DownloadData(...);  
ProcessData(data);
```

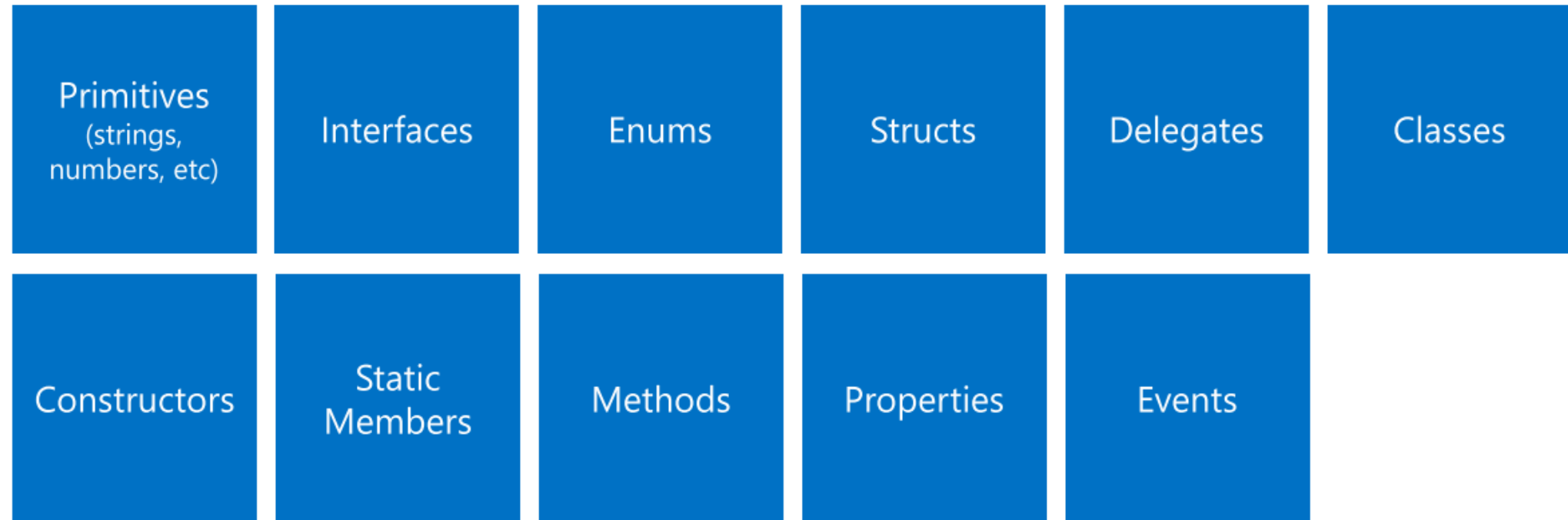


```
var future = DownloadDataAsync(...);  
future.ContinueWith(data => ProcessData(data));
```



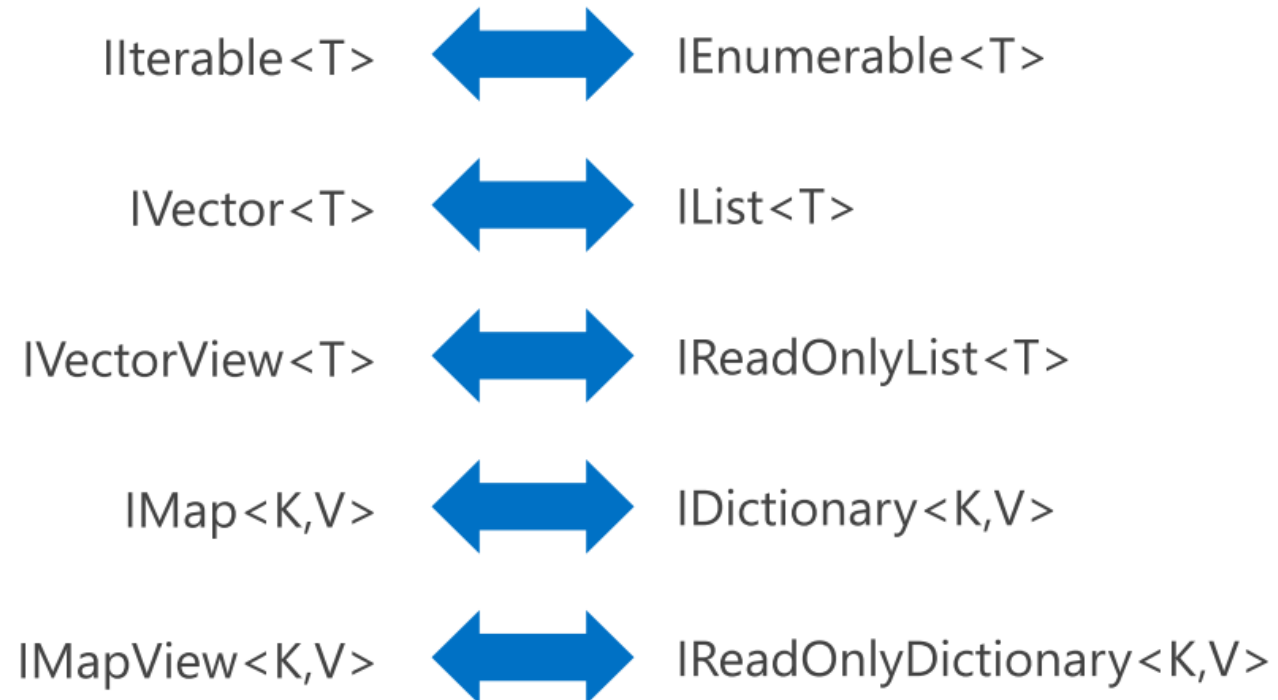
WinRT API

- WinRT i .NET
 - Preslikavanje 1:1



WinRT API

- WinRT i .NET
 - Preslikavanje 1:1



WinJS

Helpers for Namespaces,
Constructor Definition

Promises

App Model

Navigation

Page & User controls

Data binding

Controls

Animations

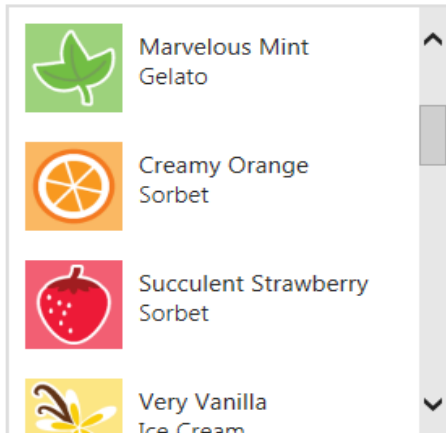
Templates

Utilities

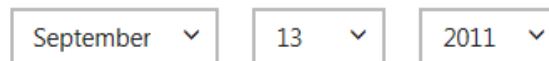
Default CSS Styles

WinJS controls

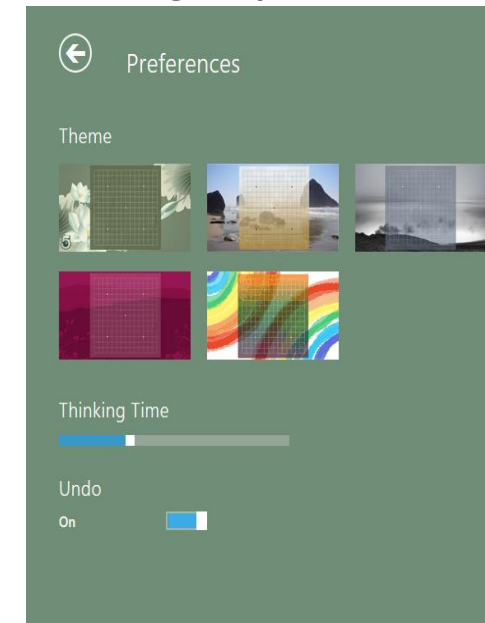
Listview



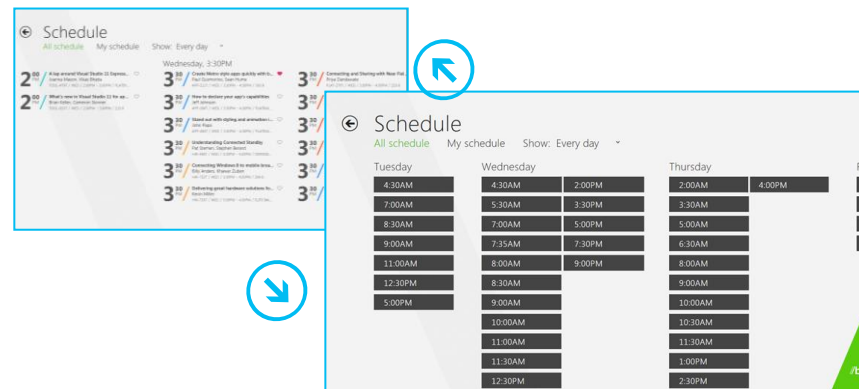
DatePicker



SettingsFlyout



SemanticZoom



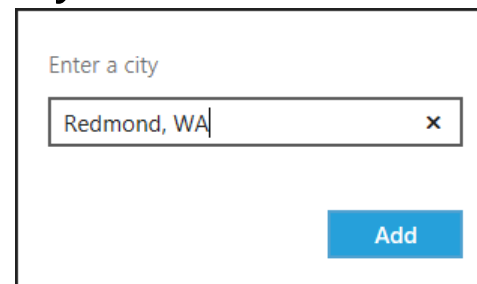
Menu



Flipview



Flyout



Rating



AppBar



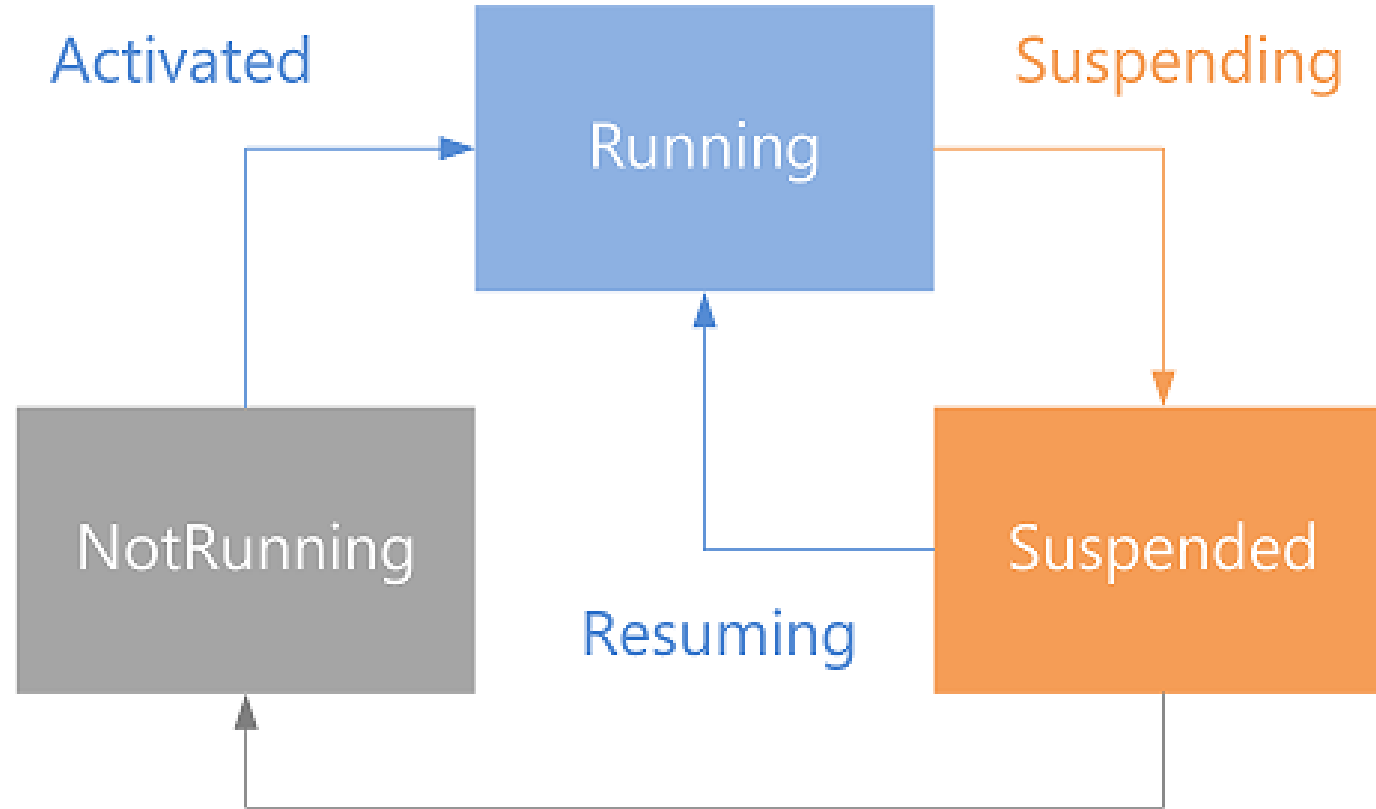
Slide does not include all WinJS controls (Tooltip, ViewBox, ToggleSwitch, HTMLControl, etc.)

Razvoj Windows Store Aplikacija

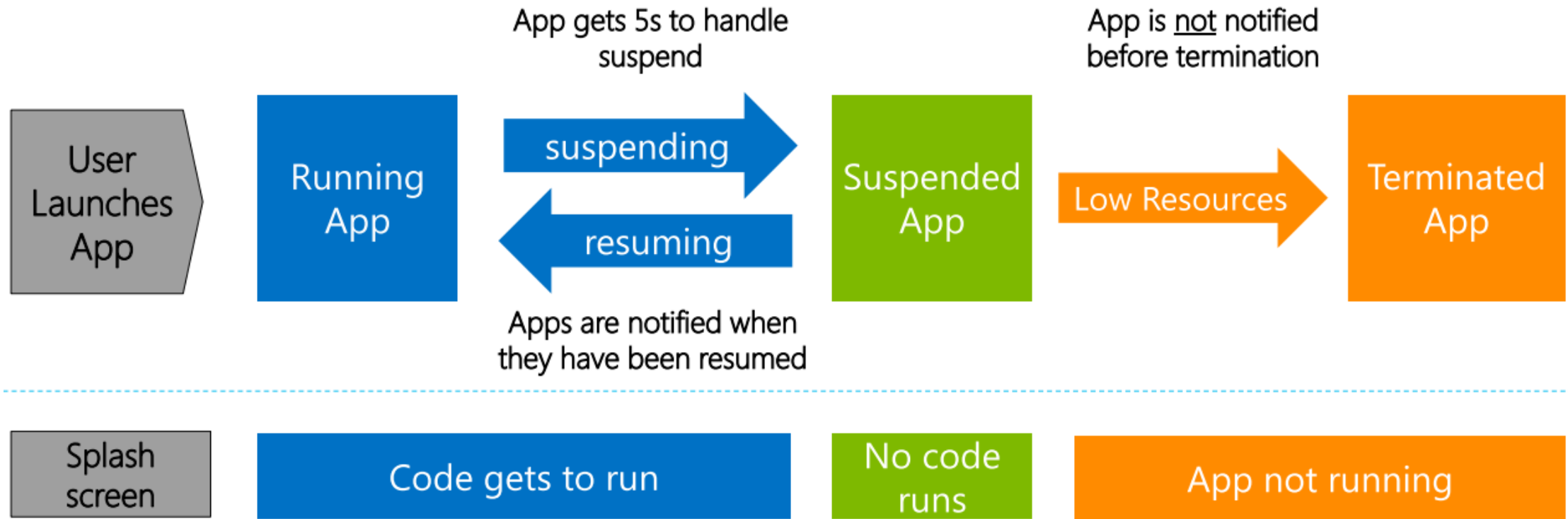
Alati

- Visual Studio 2012
 - Razvojna okolina za Windows Store Apps
 - Express (Besplatan), Professional, Premium, Ultimate
- Blend for Visual Studio
 - Opcionalan
 - Razvoj korisničkog sučelja preko designera ili koda

App Lifecycle

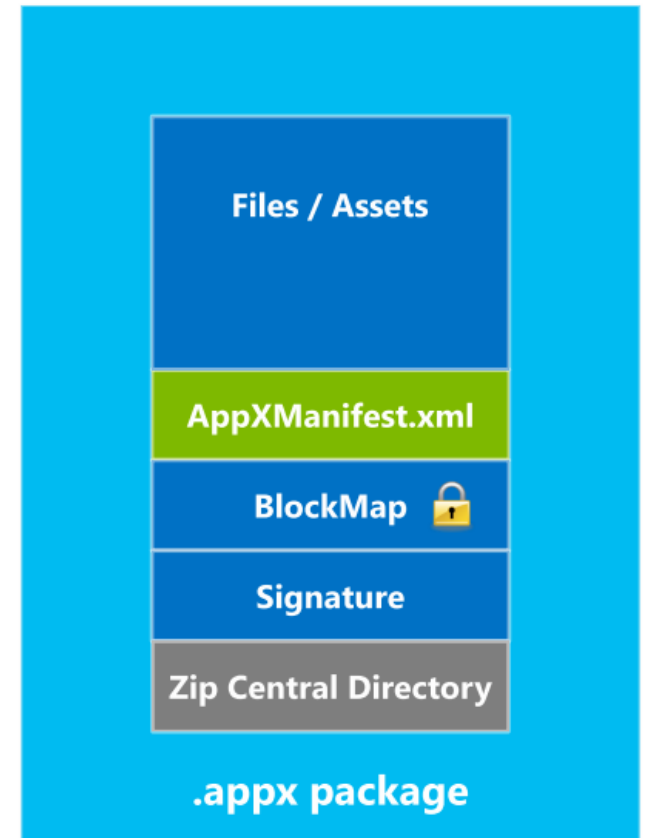


App Lifecycle



Deployment

- **.appx package**
 - ZIP-Datoteka
 - **Manifest** – informacije o aplikaciji
 - **BlockMap** – Lista datoteka i pripadnih hash vrijednosti (provjera integriteta)
 - **Signature**



Deployment

Application UI Capabilities Declarations Packaging

Use this page to set the properties that identify and describe your app.

Display name:

Entry point:

Default language: [More information](#)

Description:

Supported rotations: An optional setting that indicates the app's orientation preferences.

Landscape Portrait Landscape-flipped Portrait-flipped

Tile:

Logo:
Required size: 150 x 150 pixels

Wide logo:
Required size: 310 x 150 pixels

Small logo:
Required size: 30 x 30 pixels

Short name:

Show name: ▾

Foreground text: ▾

Background color:

Capabilities:

- Documents Library
- Enterprise Authentication
- Internet (Client)
- Internet (Client & Server)
- Location
- Microphone
- Music Library
- Pictures Library
- Private Networks (Client & Server)
- Proximity
- Removable Storage
- Shared User Certificates
- Videos Library
- Webcam



Windows Store

Modeli

- **One time purchase**
 - Mogućnost isprobavanja aplikacije na neki vremenski period
- **Purchase over time**
 - Kupnja aplikacije na neki vremenski period
- **Existing Commerce**
 - Vlastiti postojeći model
- **Ad Supported**
 - Oglasi preko Microsoft Ad Systema ili vlastiti

Revenue Sharing

Starts at

70%
for new apps

Jumps to

80%
once your app
makes \$25,000

Hvala na pažnji!

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