

# KVS PGT COMPUTER SCIENCE

## VISUAL BASICS

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# Visual Basic

- Simple, Object Oriented and Familiar
- Has English-like Syntax
- Easy to Learn
- Non Case Sensitive
- A “Managed” Language
  - Can only be Executed by a Supporting runtime (CLR, WinRT)
  - Compiled to Bytecode in .NET Framework; Projected to Native code in Windows Runtime (WinRT)
  - Automatic Memory Management and Garbage Collection



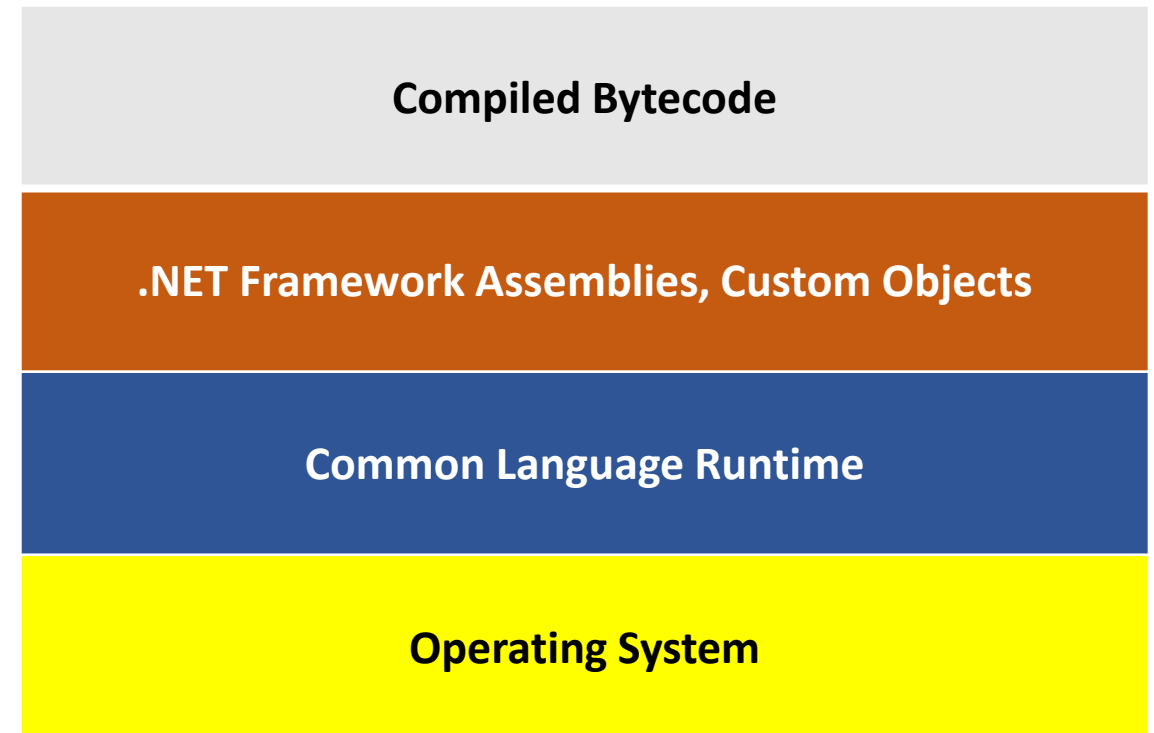
# Visual Basic on .NET Framework

- ASP.NET, Silverlight, WinForms, WPF, WCF
- Compiled to bytecode
- Executed by Common Language Runtime (CLR)



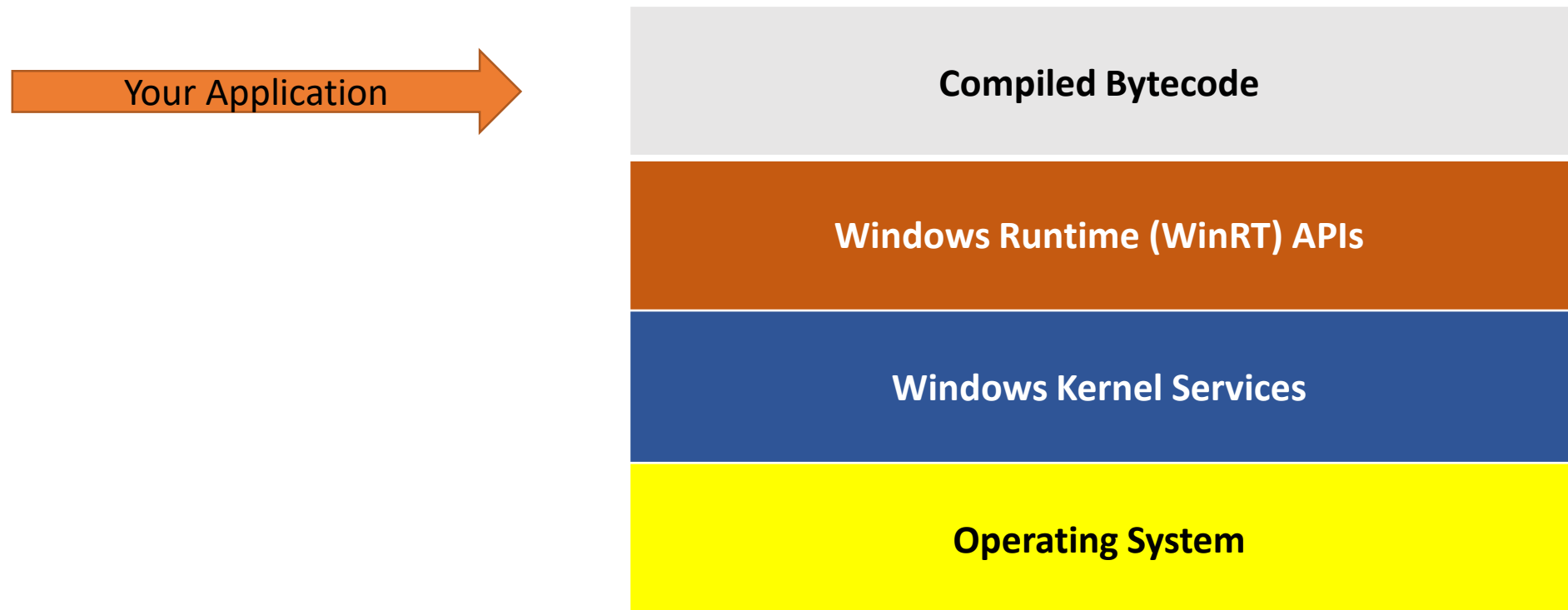
# Visual Basic on .NET Framework

Your Application





# Visual Basic in Windows Store Apps





# Mapping .NET to WinRT

- In Windows Store Apps, the compiler Maps Managed .NET types and methods to native WinRT Libraries
- WinRT classes are expressed in Managed Code through projection, also known as language binding
- Minor Differences in Datatypes, Mostly use same coding style in both environments



# Visual Basic vs. C#

Feature	VB	C#
Supports all Microsoft platforms	X	X
Object-oriented	X	X
Case-sensitive		X
Looks like English	X	
Looks like C and Java		X
Uses symbols like && and		X
Has built-in functions	X	