

# Modules

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# Outline

- What is a Module?
- Registering Modules
- Loading Modules
- Initializing Modules

# What is a Module?

- Building block

# What is a Module?

Solution

Main Project

View1

View2

View3

View4

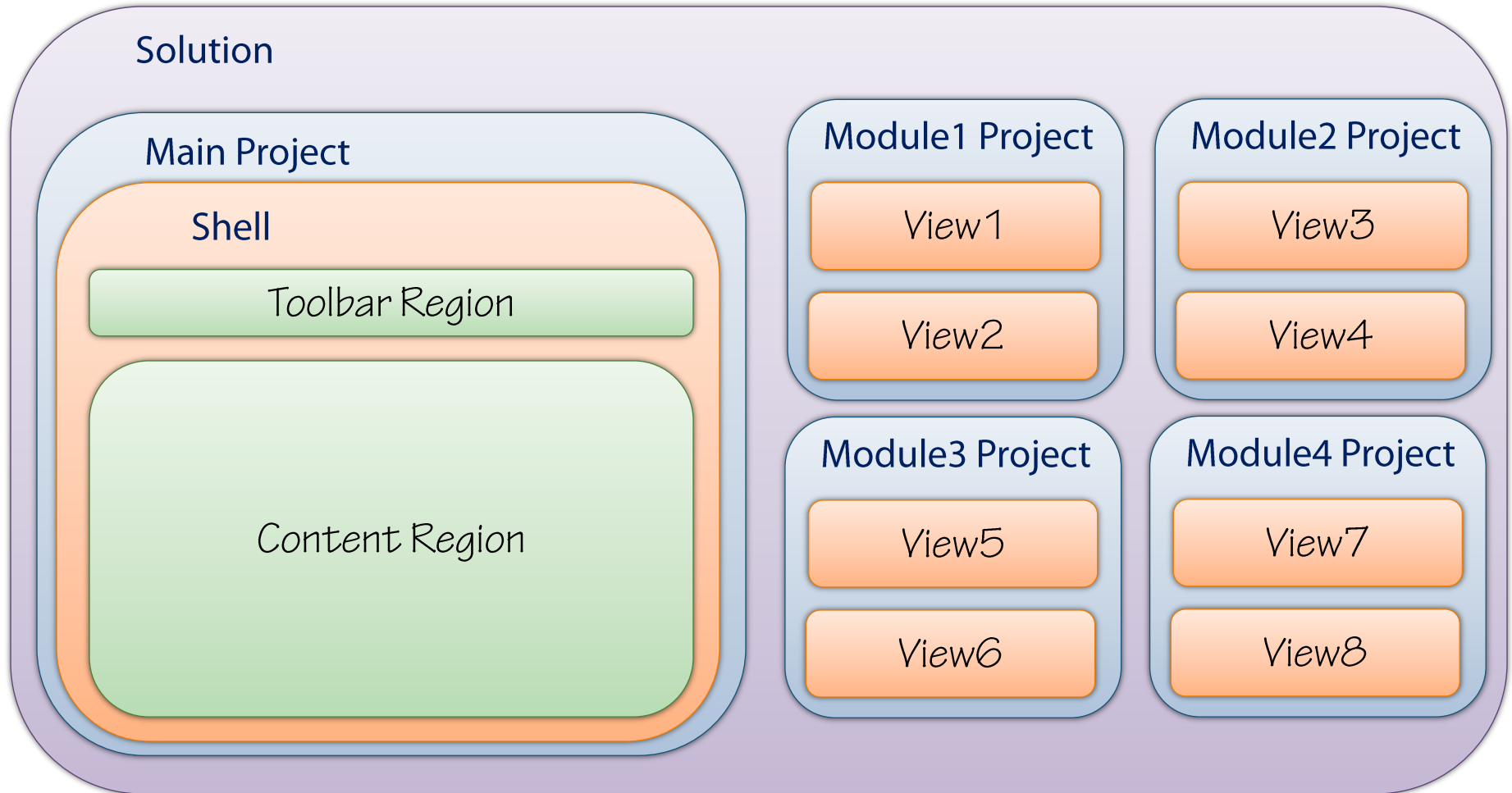
View5

View6

View7

View8

# What is a Module?



# What is a Module?

- Building block
- Class library / XAP
- Class that implements IModule

# Module Lifetime



# Register / Discover Modules

- ModuleCatalog
- Code
- XAML
- Configuration File (WPF)
- Disk (WPF)



# Module Lifetime



# Loading Modules

- From disk (WPF)
- Download from web (Silverlight)
- Control when to load
  - When available
  - On-demand

# Guidelines for Loading Modules

- Required to run?
- Always used?
- Rarely used?

# Module Lifetime



# Initializing Modules

- `IModule.Initialize()`
- Register types
- Subscribe to services or events
- Register shared services
- Compose views into shell

# Summary

- What is a Module?
- Registering Modules
- Loading Modules
- Initializing Modules

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