



Block Events

What is an Event?

Triggering and Handling Events

Execution Flow

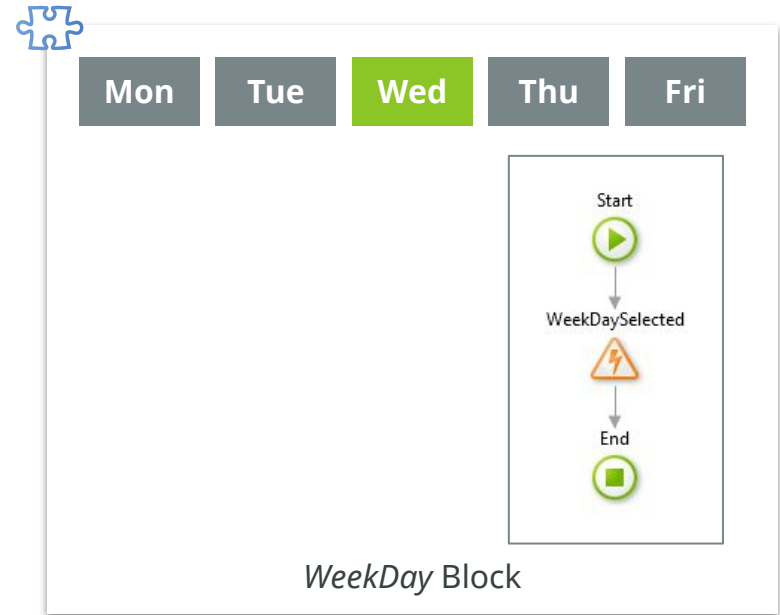
On Parameters Changed Event

What is an Event?

An **Event** allows a Block to **notify** its
Parent **of an occurrence**

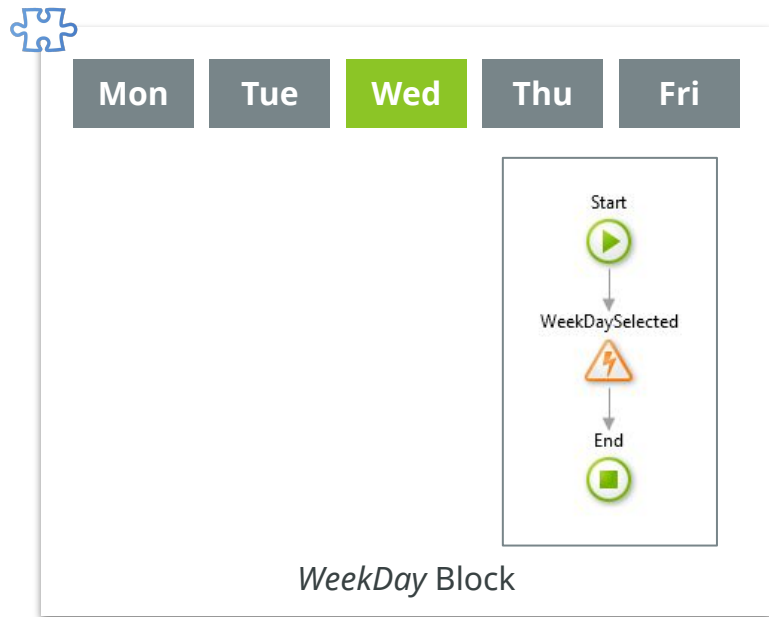
Events

- Interaction with parent is done using Events
 - Block triggers an Event
 - Parent handles it
- Events are created inside Blocks
 - Have Input Parameters to send data to the parent
 - Be defined as mandatory



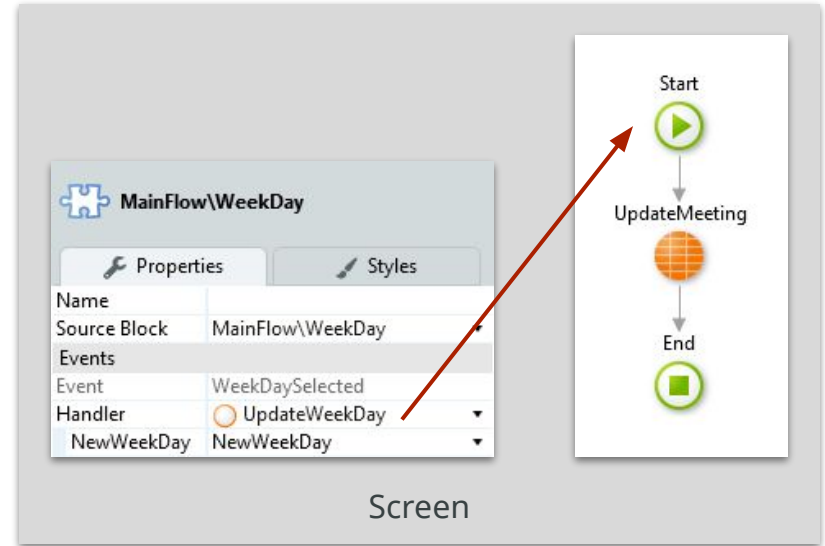
Why do we need to Trigger Events?

- Blocks and their parents have different scopes
- Parent may have elements that depend on actions performed inside the Block instance
- Triggering an Event allows the Block to notify the parent



Handling Events

- When a Block triggers an Event...
 - The Event Handler is executed
- An Event Handler
 - Defines the logic to execute when an event is triggered
 - Has access to the Input Parameters of the Event
 - Has access to the parent's scope



Event Execution Flow

WeekDay



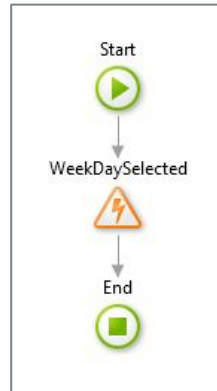
Mon

Tue

Wed

Thu

Fri

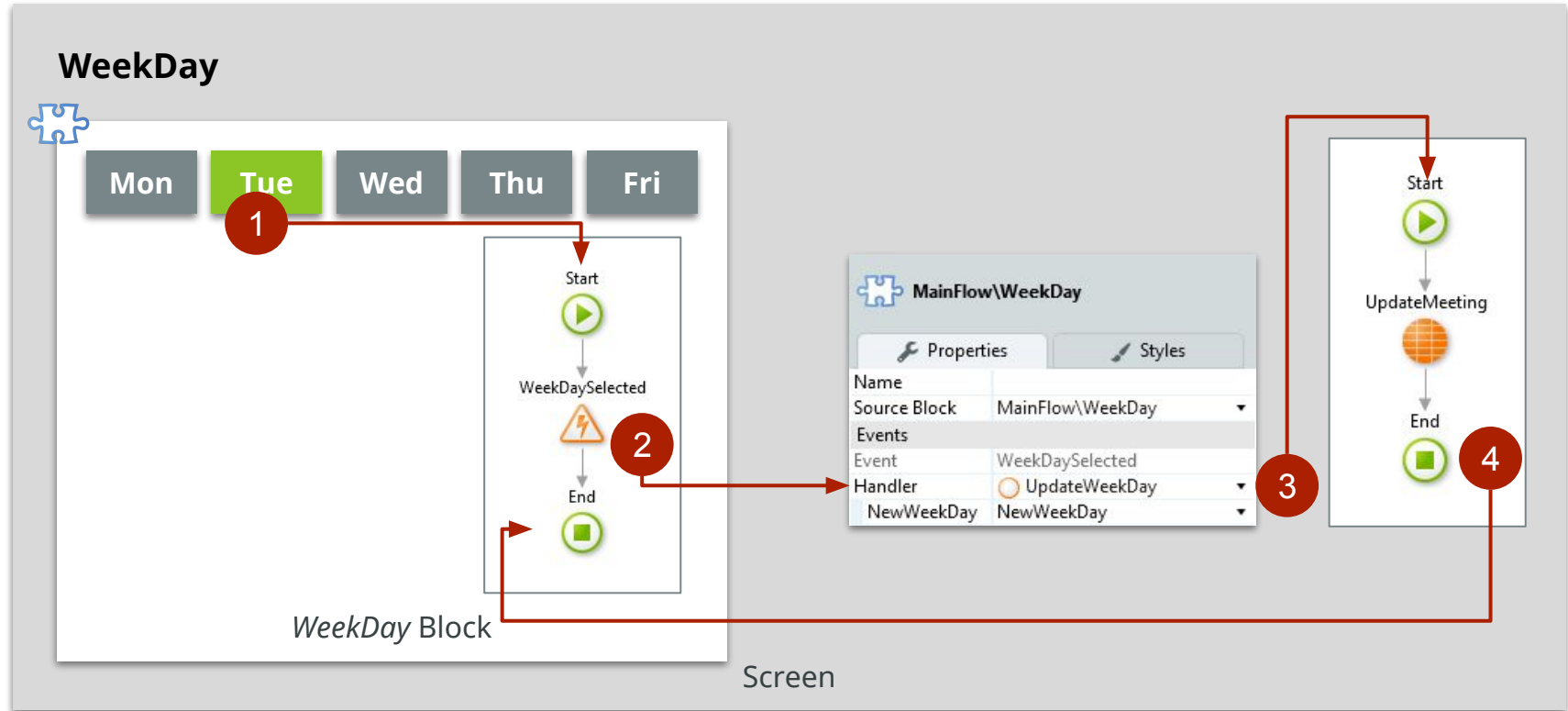


WeekDay Block

MainFlow\WeekDay	
Properties	
Name	
Source Block	MainFlow\WeekDay
Events	
Event	WeekDaySelected
Handler	UpdateWeekDay
NewWeekDay	NewWeekDay

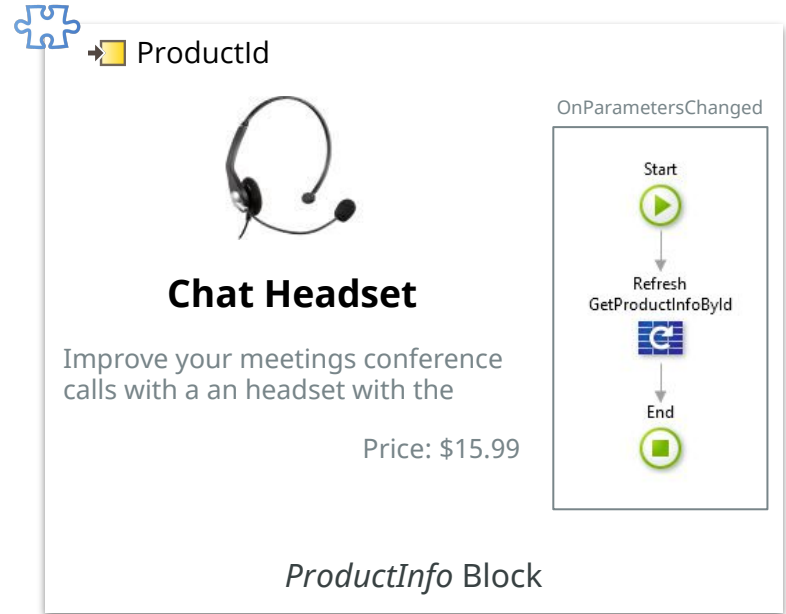
Screen

Event Execution Flow



On Parameters Changed

- Only available in Blocks
- Triggered automatically
 - Anytime the parent changes the Block's Input Parameters value
- Changes to Input Parameters inside the block **do not** trigger the event



On Parameters Changed Execution Flow



**24" Series 4 Led
Business Monitor**



**2.0 Multimedia
Speakers**



**14' Cat-6 Network
Cable**



Chat Headset



Products Screen

On Parameters Changed Execution Flow

 SelectedProductId



**24" Series 4 Led
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Products Screen

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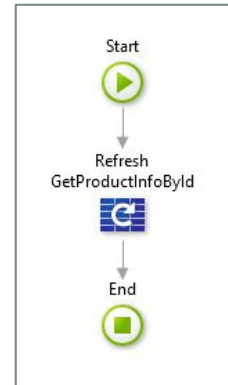


ProductId



(No product selected)

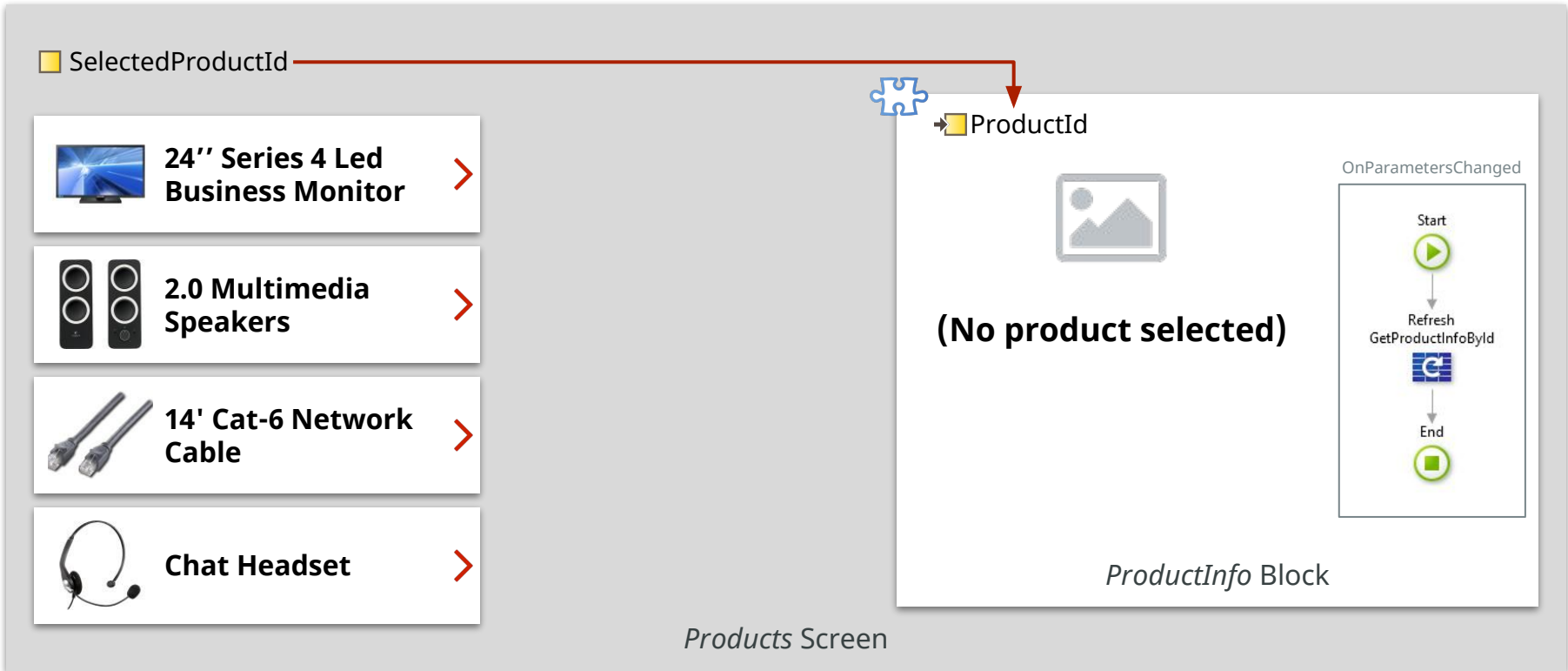
OnParametersChanged



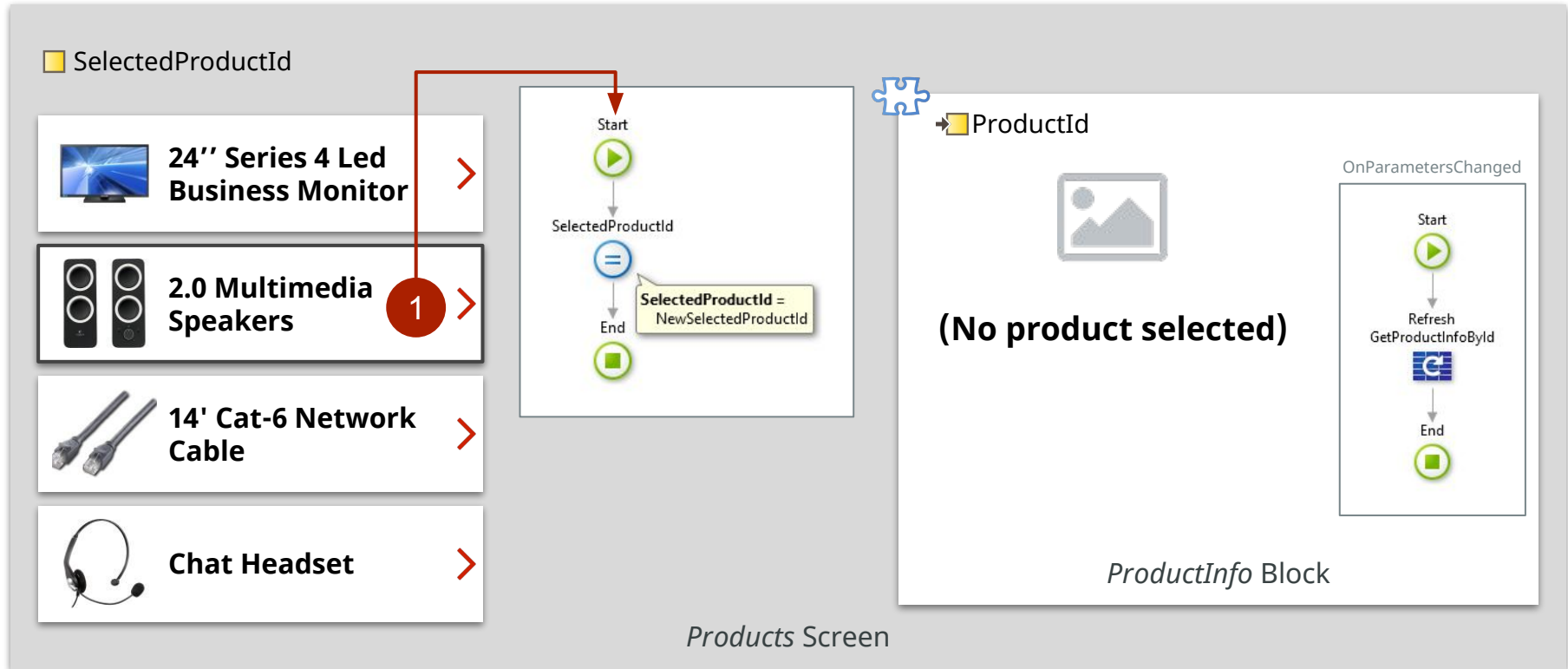
ProductInfo Block

Products Screen

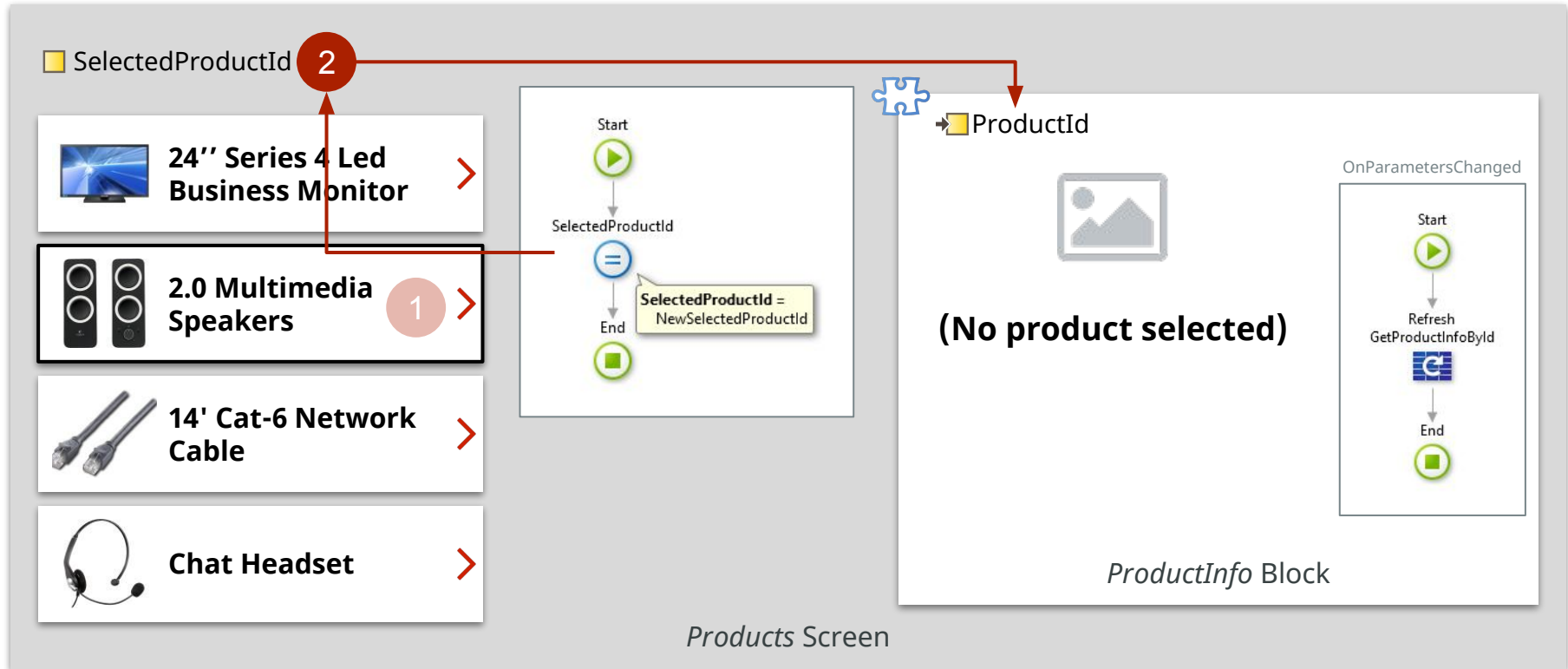
On Parameters Changed Execution Flow



On Parameters Changed Execution Flow



On Parameters Changed Execution Flow



On Parameters Changed Execution Flow

SelectedProductId 2



24" Series 4 Led Business Monitor



2.0 Multimedia Speakers

1



14' Cat-6 Network Cable



Chat Headset



Products Screen



ProductId 3



(No product selected)

OnParametersChanged



ProductInfo Block

On Parameters Changed Execution Flow

SelectedProductId 2



24" Series 4 Led Business Monitor



2.0 Multimedia Speakers

1



14' Cat-6 Network Cable



Chat Headset



Products Screen



ProductId 3



2.0 Multimedia Speakers

An amazing sound quality for a cheap price.

Price: \$23.99

ProductInfo Block

OnParametersChanged



On Parameters Changed Execution Flow

SelectedProductId



24" Series 4 Led Business Monitor



2.0 Multimedia Speakers



14' Cat-6 Network Cable



Chat Headset

5



Products Screen



ProductId



2.0 Multimedia Speakers

An amazing sound quality for a cheap price.

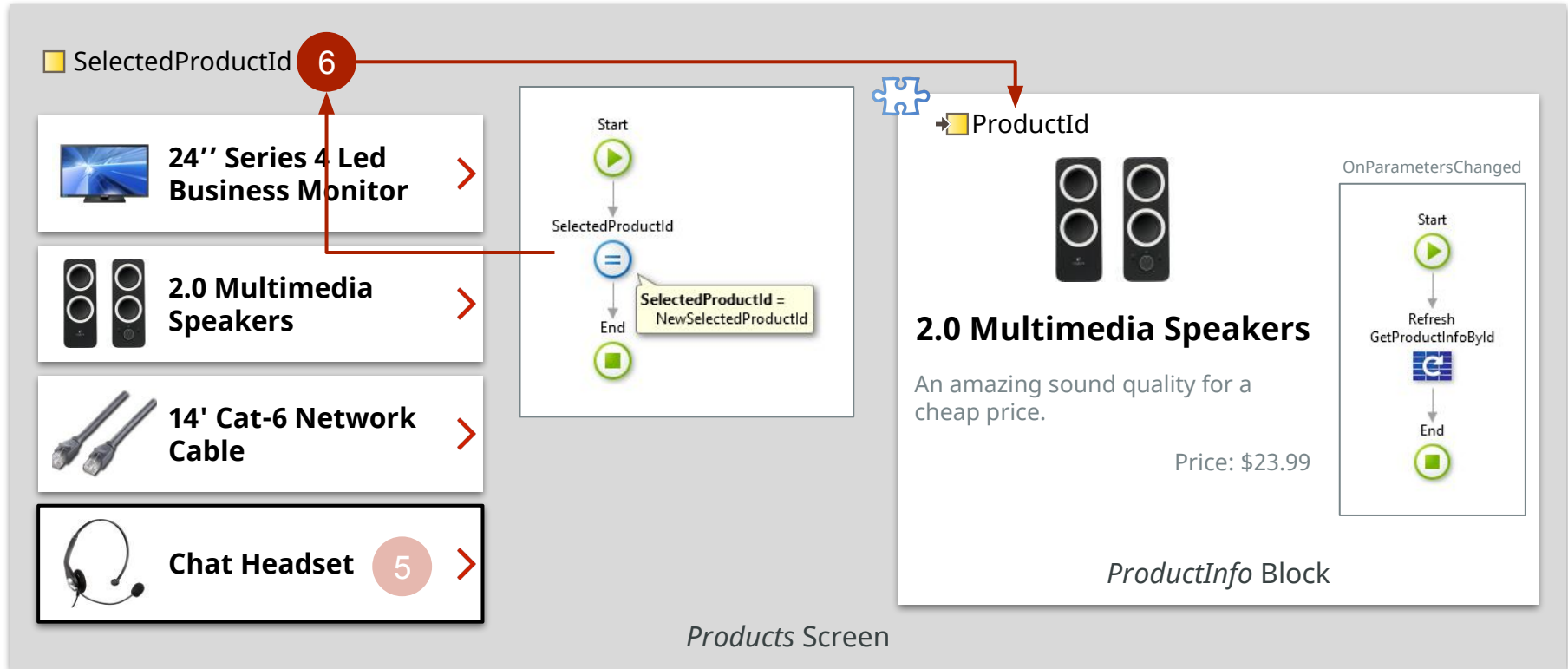
Price: \$23.99

ProductInfo Block

OnParametersChanged



On Parameters Changed Execution Flow



On Parameters Changed Execution Flow

SelectedProductId 6



24" Series 4 Led Business Monitor



2.0 Multimedia Speakers



14' Cat-6 Network Cable



Chat Headset

5



Products Screen



ProductId 7



2.0 Multimedia Speakers

An amazing sound quality for a cheap price.

Price: \$23.99

ProductInfo Block

OnParametersChanged



On Parameters Changed Execution Flow

SelectedProductId 6



24" Series 4 Led Business Monitor



2.0 Multimedia Speakers



14' Cat-6 Network Cable



Chat Headset

5



Products Screen



ProductId 7



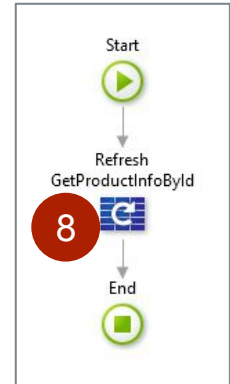
Chat Headset

Improve your meetings conference calls with a an headset with the

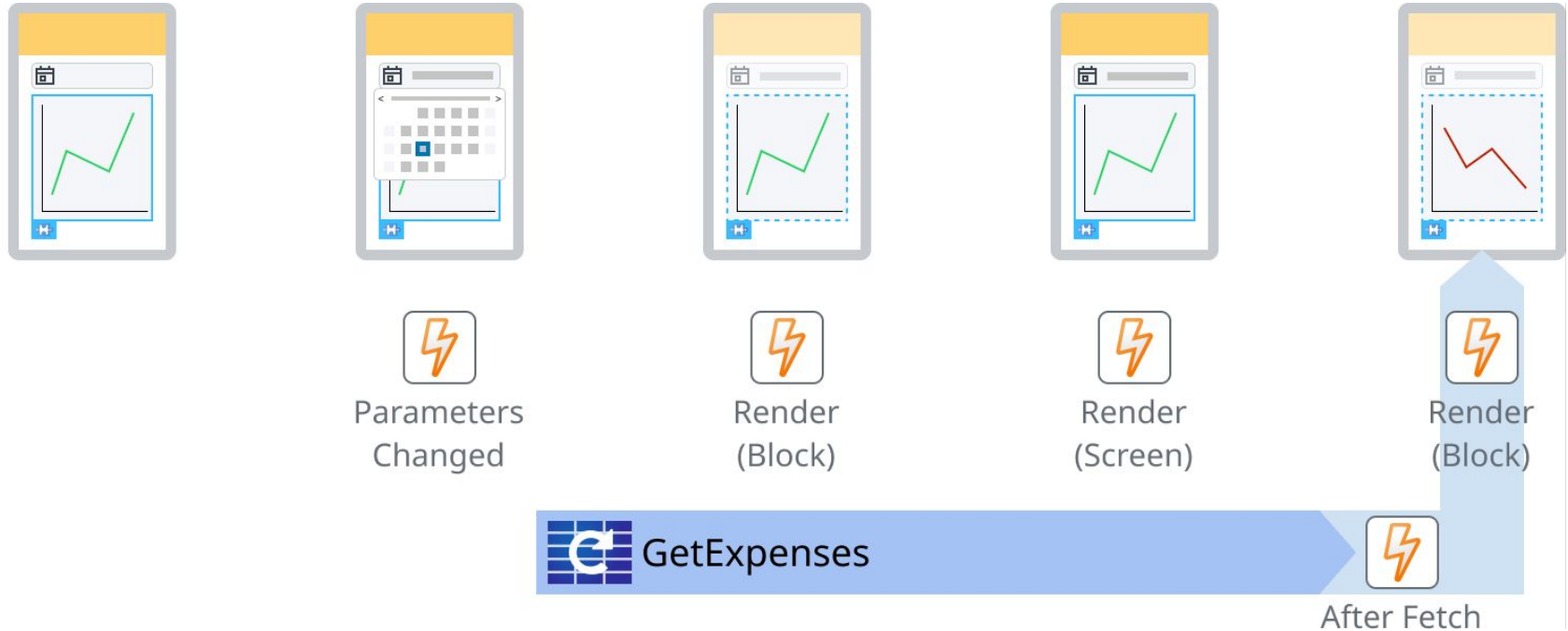
Price: \$15.99

ProductInfo Block

OnParametersChanged



Event Lifecycle



Questions?

Thank you
