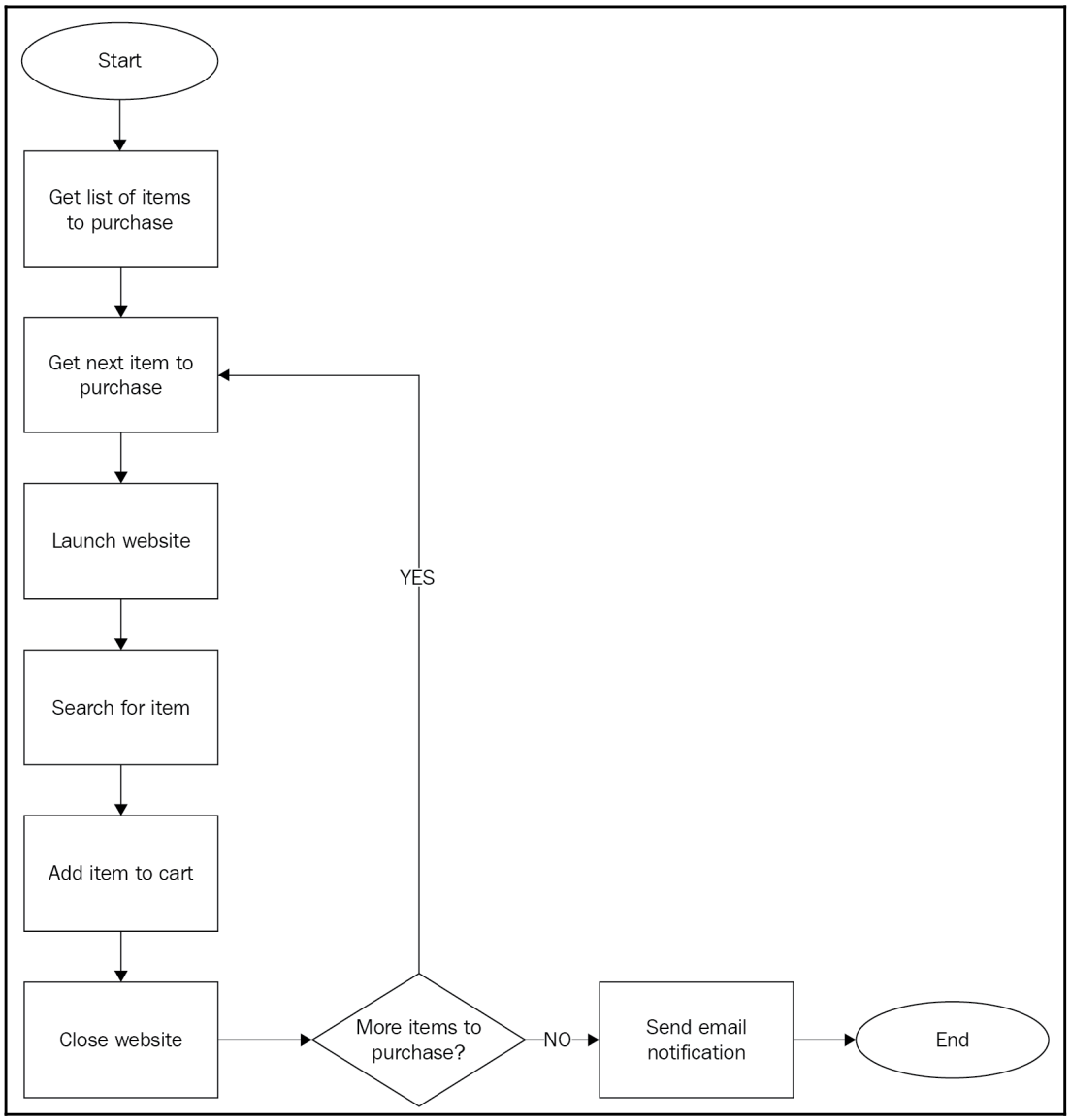
Graphic

Chapter 1:
The Case for Robotic Process Automation

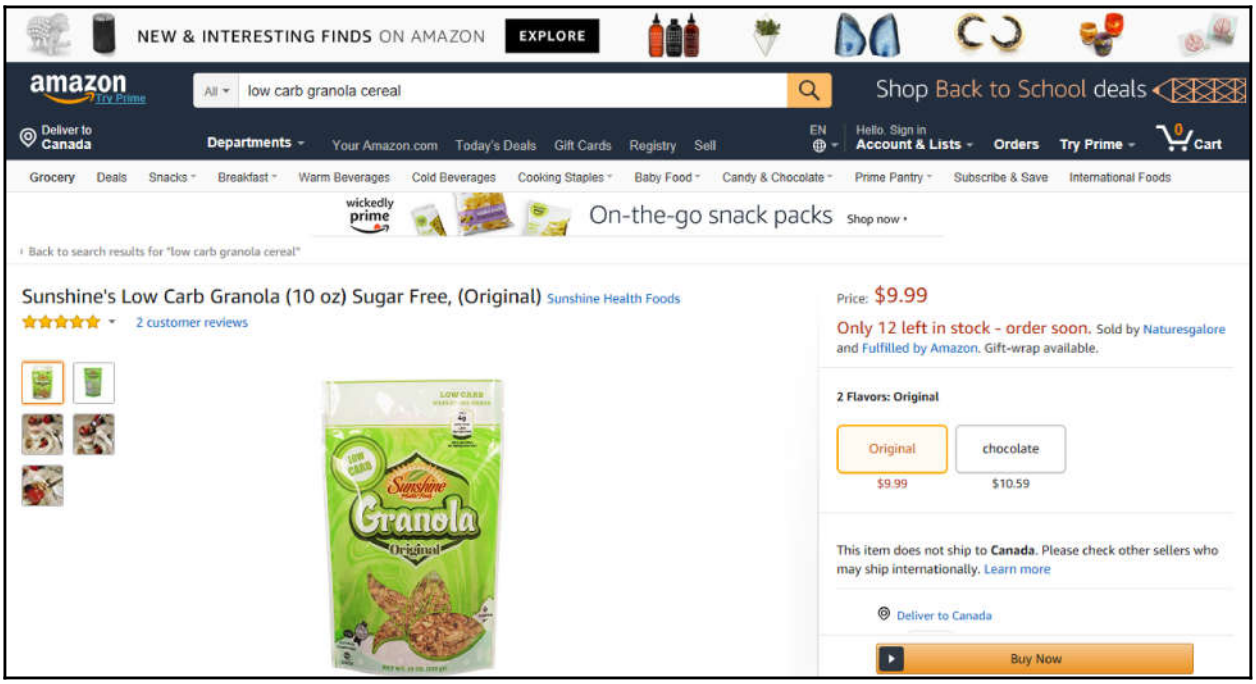
Process Name: Weekly purchase of groceries					
No.	**Step**	**Frequency**	**Type of task**	**Average Handling time**	**Total Time Savings/year**
1	Search for the item.	Weekly	Repetitive	10 minutes	520 minutes
2	Purchase the item	Weekly	Repetitive	5 minutes	260 minutes
3	Track the package	Daily	Repetitive	5 minutes	1825 minutes
4	Receive the package	Weekly	Manual	2 minutes	104 minutes
				Total time saved/year	2709 minutes

Process Name	**Total Savings/year (minutes)**
Weekly purchase of groceries	2709
Paying electrical bills	421
Checking credit card statements against scanned receipts	1205
Entering name cards into Outlook contacts list	289

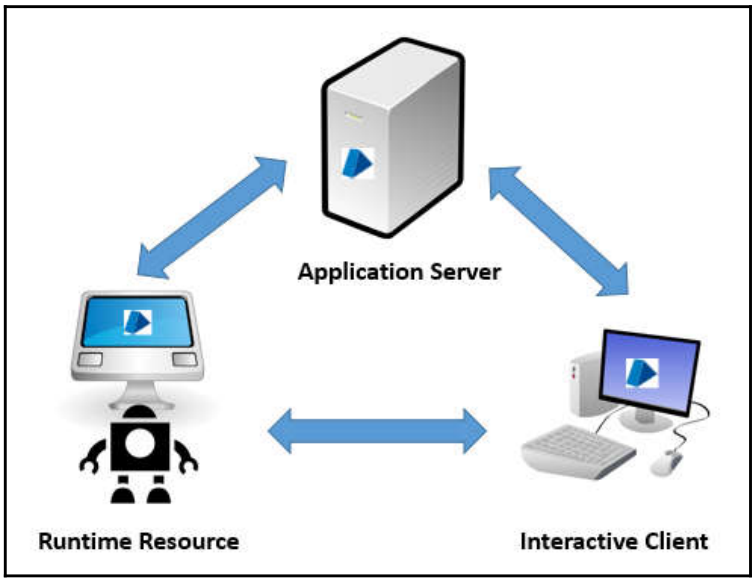

Start
Get list of items to purchase
Get next item to purchase
Launch website
Search for item
Add item to cart
Close website
More items to purchase?
YES
NO
Send email notification
End

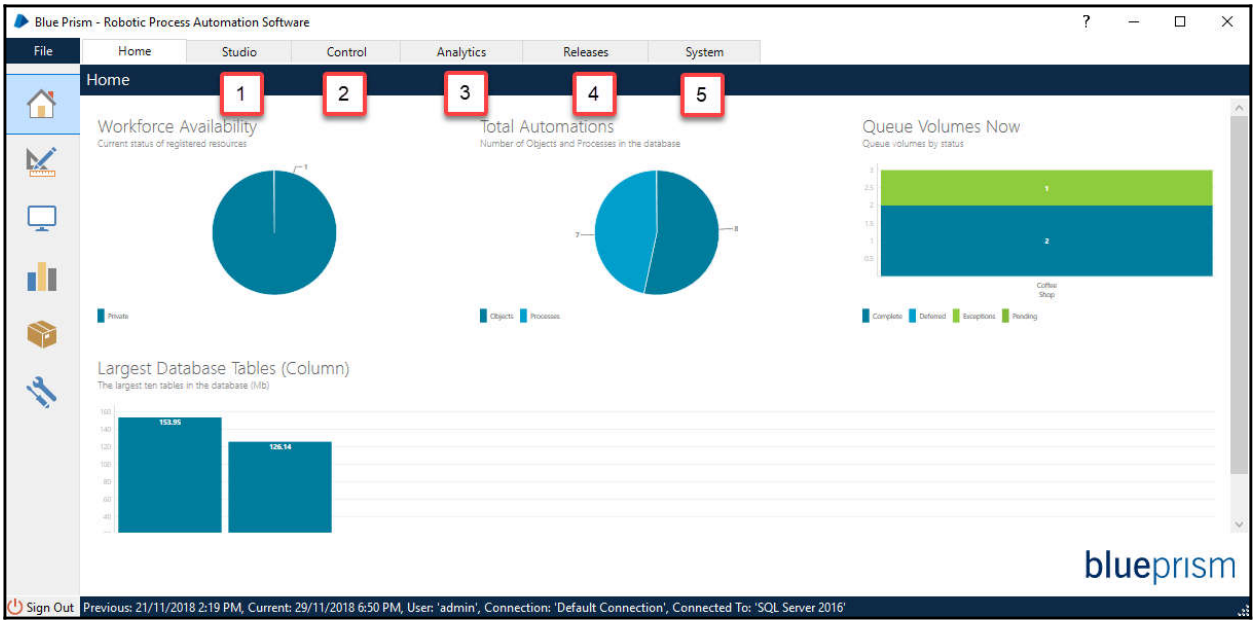
amazon
Try Prime
All
low carb granola cereal
Deliver to Canada
1. Enter the product name
2. Click the Search button
Gift Cards
Registry

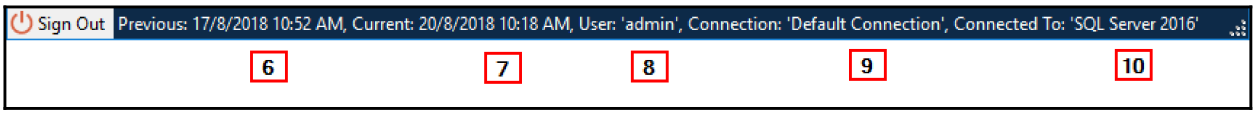
Graphic

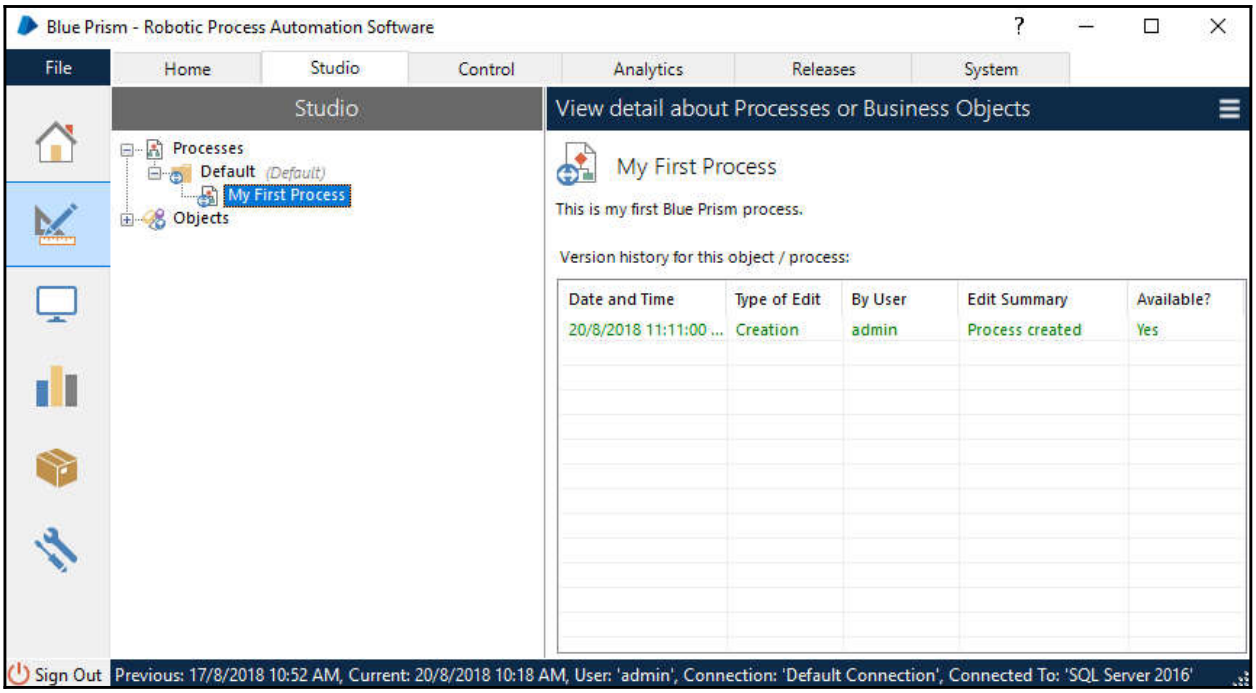

NEW & INTERESTING FINDS ON AMAZON
EXPLORE
amazon
low carb granola cereal
Shop Back to School deals
Deliver to Canada
Departments
Your Amazon.com
Today's Deals
Gift Cards
Registry
Sell
Hello. Sign in
Account & Lists
Orders
Try Prime
Cart
Grocery
Deals
Snacks
Breakfast
Warm Beverages
Cold Beverages
Cooking Staples
Baby Food
Candy & Chocolate
Prime Pantry
Subscribe & Save
International Foods
wickedly prime
On-the-go snack packs
Shop now
Back to search results for "low carb granola cereal"
Sunshine's Low Carb Granola (10 oz) Sugar Free, (Original)
Sunshine Health Foods
2 customer reviews
Price: $9.99
Only 12 left in stock - order soon. Sold by Naturesgalore and Fulfilled by Amazon. Gift-wrap available.
2 Flavors: Original
Original
$9.99
chocolate
$10.59
This item does not ship to Canada. Please check other sellers who may ship internationally. Learn more
Deliver to Canada
Buy Now

Chapter 2:
Building the First Blue Prism Process

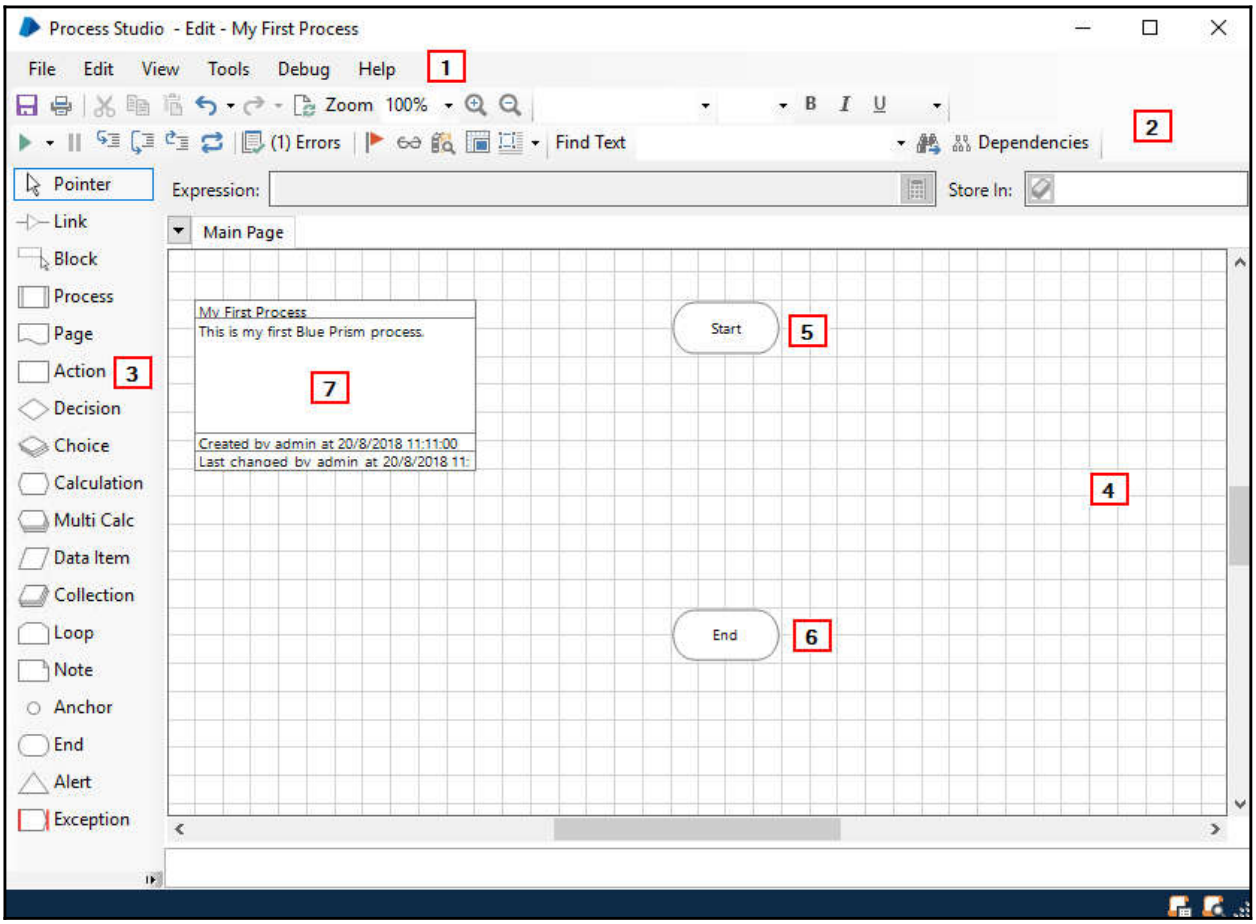


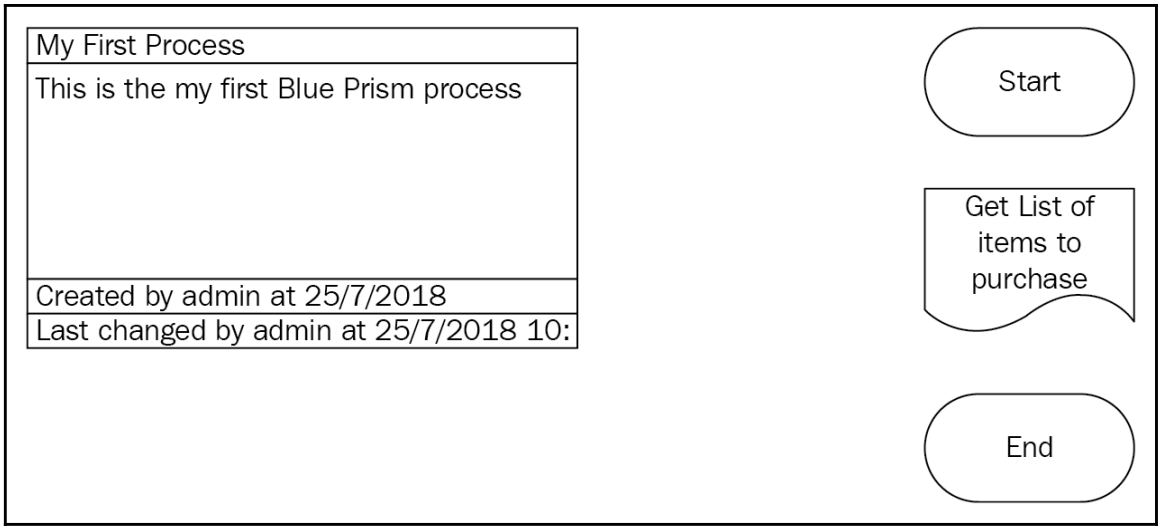


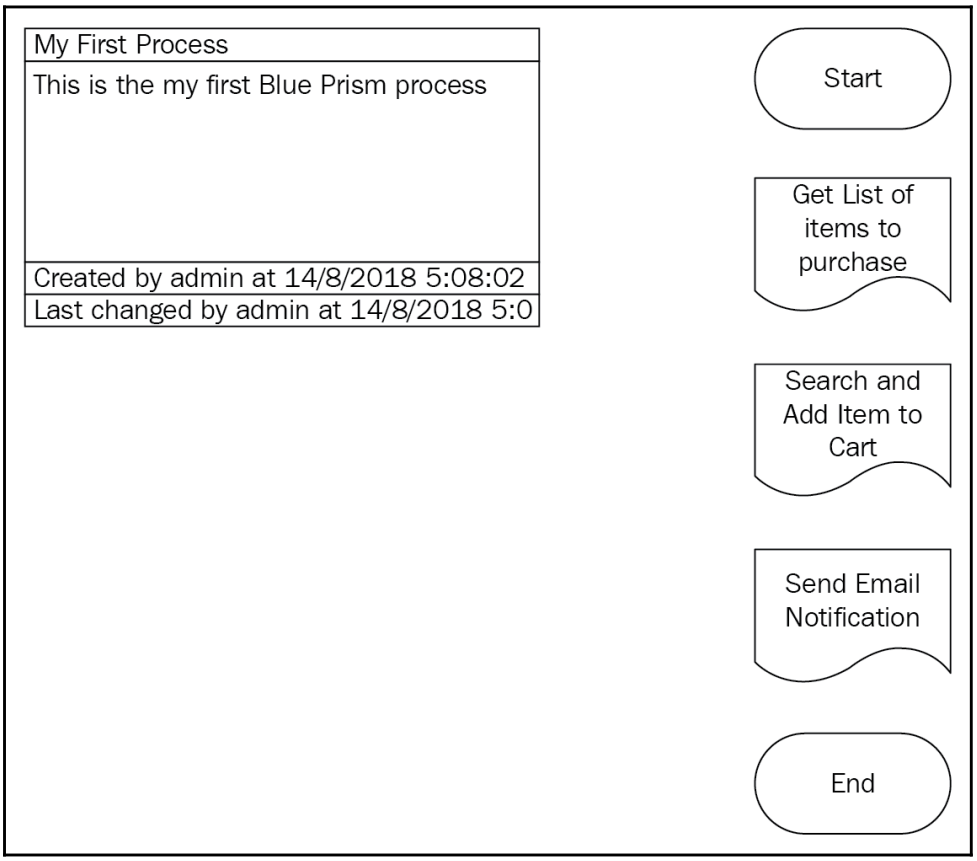

Sign Out
Previous: 17/8/2018 10:52 AM, Current: 20/8/2018 10:18 AM, User: 'admin', Connection: 'Default Connection', Connected To: 'SQL Server 2016'
6
7
8
9
10

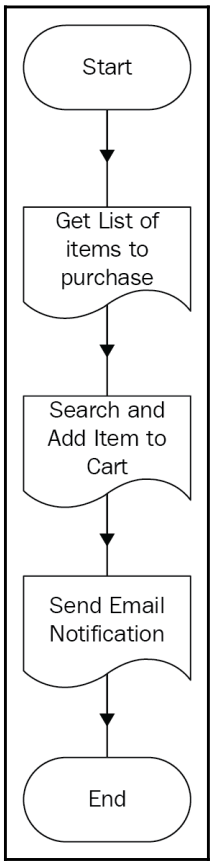

Blue Prism - Robotic Process Automation Software
File
Home
Studio
Control
Analytics
Releases
System
Studio
Processes
Default (Default)
My First Process
Objects
View detail about Processes or Business Objects
My First Process
This is my first Blue Prism process.
Version history for this object / process:
Date and Time
Type of Edit
By User
Edit Summary
Available?
20/8/2018 11:11:00 ...
Creation
admin
Process created
Yes
Sign Out
Previous: 17/8/2018 10:52 AM, Current: 20/8/2018 10:18 AM, User: 'admin', Connection: 'Default Connection', Connected To: 'SQL Server 2016'

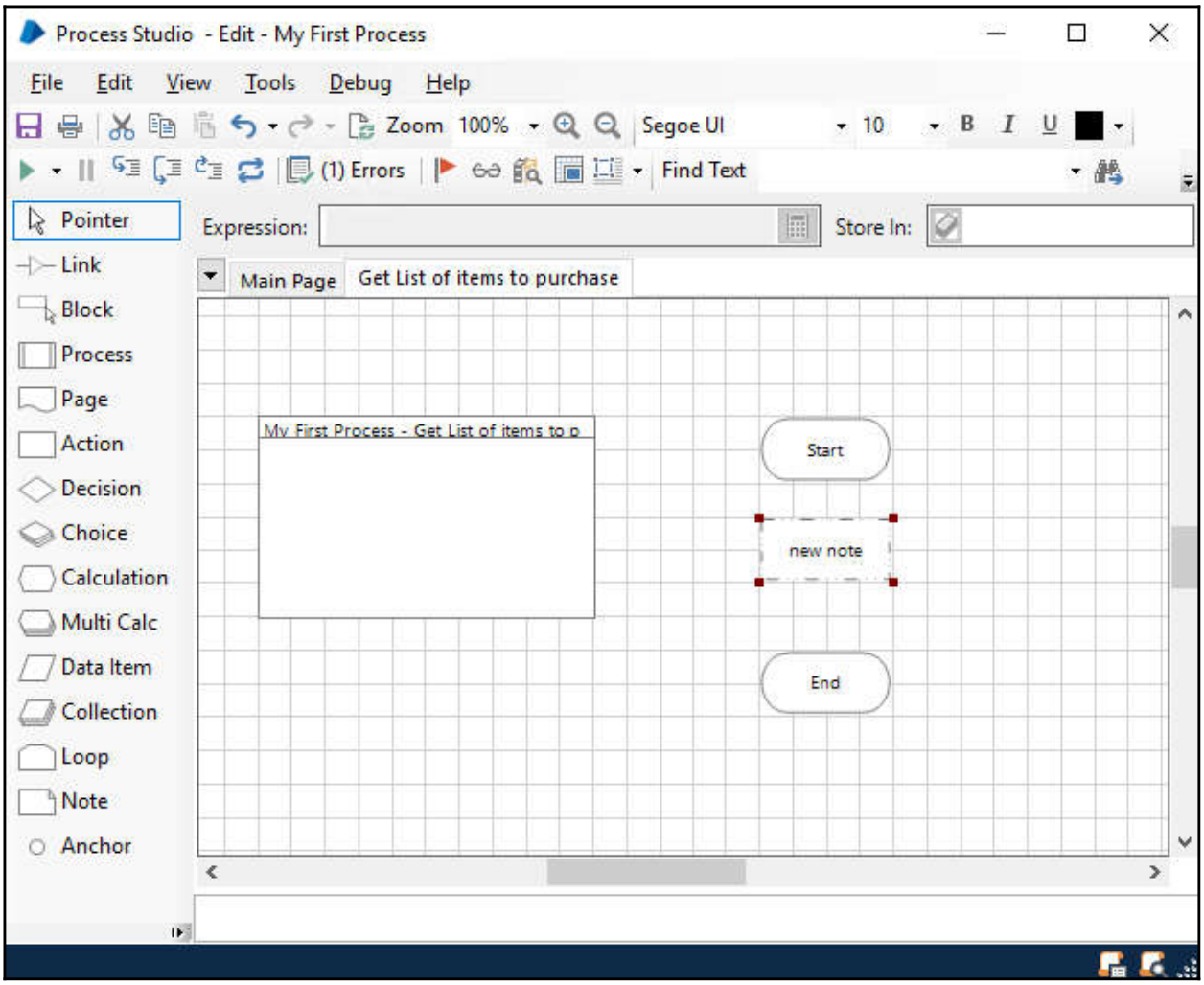
Graphic

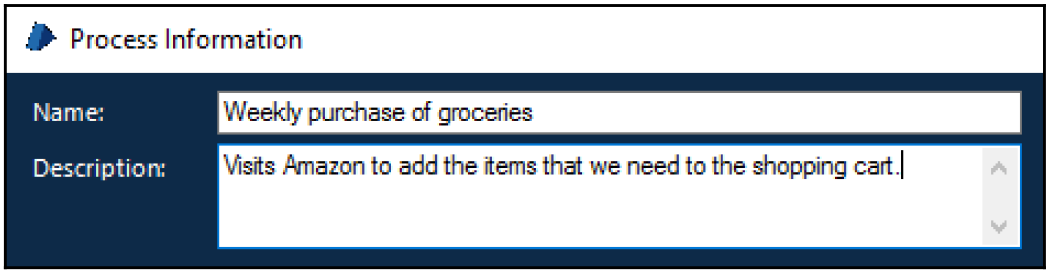

Process Studio - Edit - My First Process
File
Edit
View
Tools
Debug
Help
1
Zoom
100%
(1) Errors
Find Text
Dependencies
2
Pointer
Link
Block
Process
Page
Action
3
Decision
Choice
Calculation
Multi Calc
Data Item
Collection
Loop
Note
Anchor
End
Alert
Exception
Expression:
Store In:
Main Page
My First Process
This is my first Blue Prism process.
7
Created by admin at 20/8/2018 11:11:00
Last changed by admin at 20/8/2018 11:
Start
5
4
End
6


My First Process
This is the my first Blue Prism process
Created by admin at 25/7/2018
Last changed by admin at 25/7/2018 10:
Start
Get List of items to purchase
End

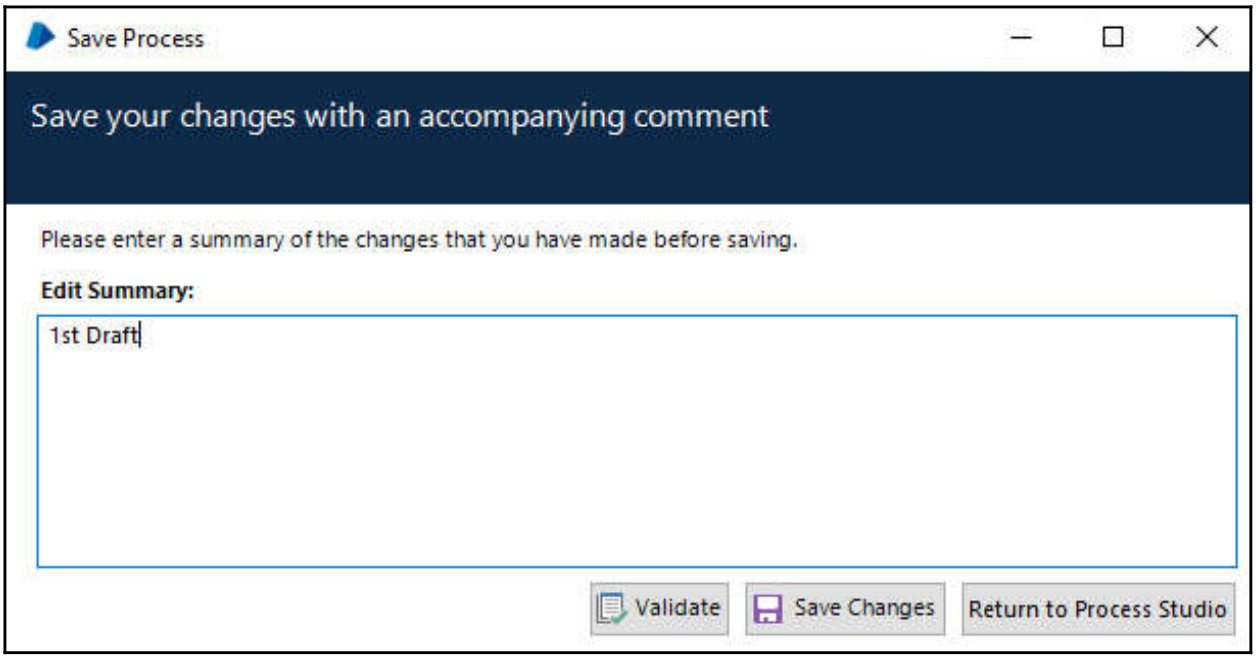

My First Process
This is the my first Blue Prism process
Created by admin at 14/8/2018 5:08:02
Last changed by admin at 14/8/2018 5:0
Start
Get List of items to purchase
Search and Add Item to Cart
Send Email Notification
End

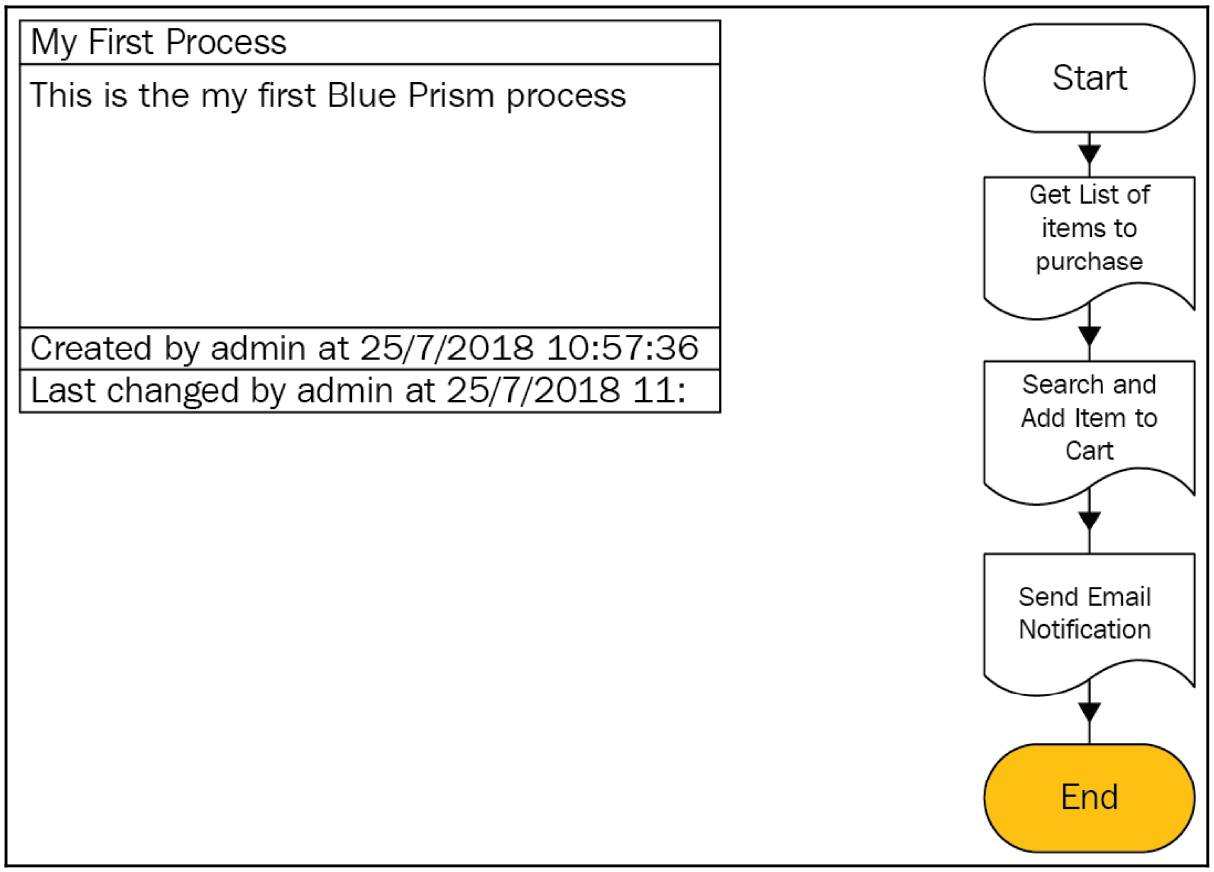

Start
Get List of items to purchase
Search and Add Item to Cart
Send Email Notification
End

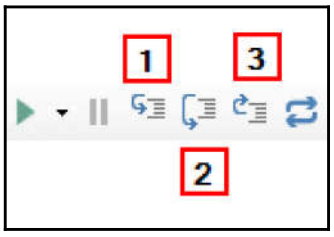

Process Studio - Edit - My First Process
File Edit View Tools Debug Help
Zoom 100%
Segoe UI
10
(1) Errors
Find Text
Pointer
Link
Block
Process
Page
Action
Decision
Choice
Calculation
Multi Calc
Data Item
Collection
Loop
Note
Anchor
Expression:
Store In:
Main Page
Get List of items to purchase
My First Process - Get List of items to p
Start
new note
End


Process Information
Name:
Weekly purchase of groceries
Description:
Visits Amazon to add the items that we need to the shopping cart.

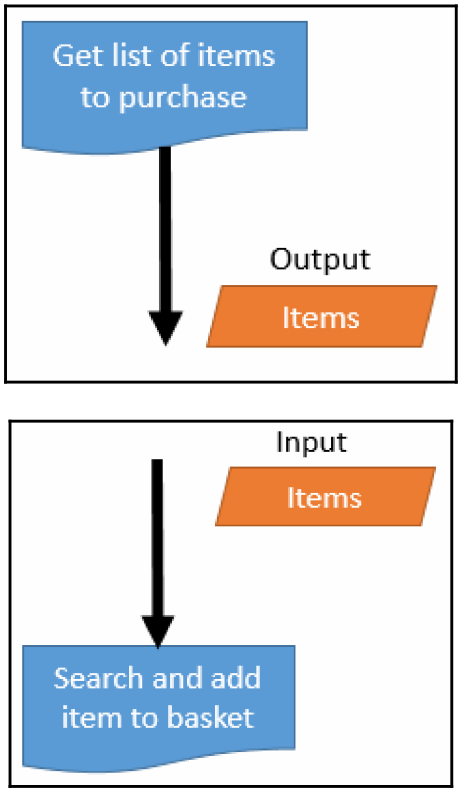
Graphic


Save Process
Save your changes with an accompanying comment
Please enter a summary of the changes that you have made before saving.
Edit Summary:
1st Draft
Validate
Save Changes
Return to Process Studio

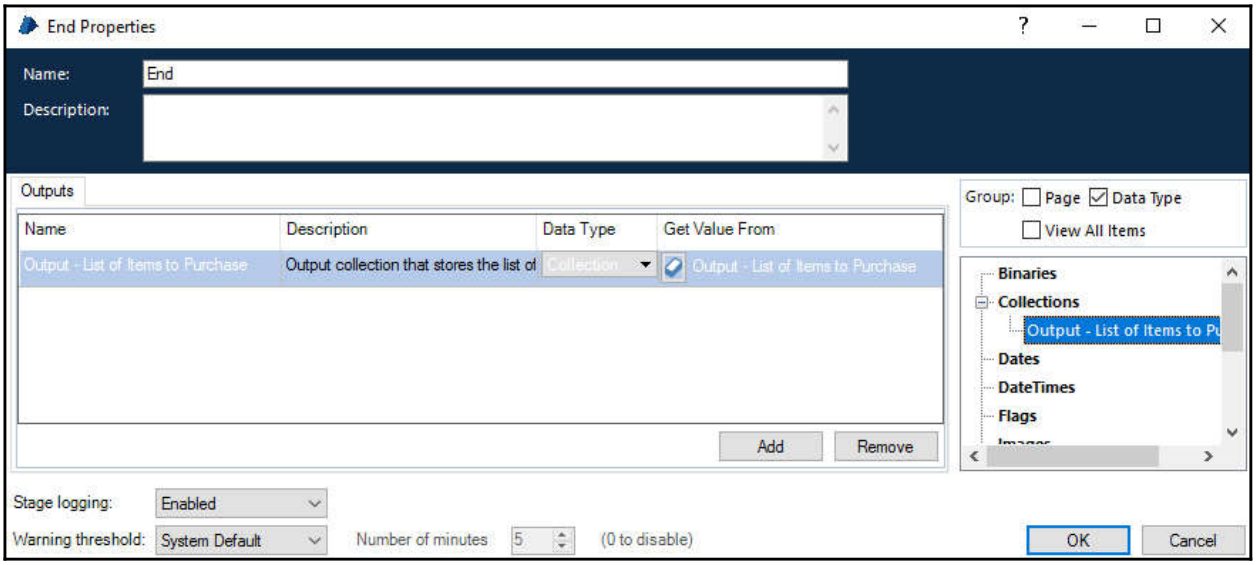

My First Process
This is the my first Blue Prism process
Created by admin at 25/7/2018 10:57:36
Last changed by admin at 25/7/2018 11:
Start
Get List of items to purchase
Search and Add Item to Cart
Send Email Notification
End

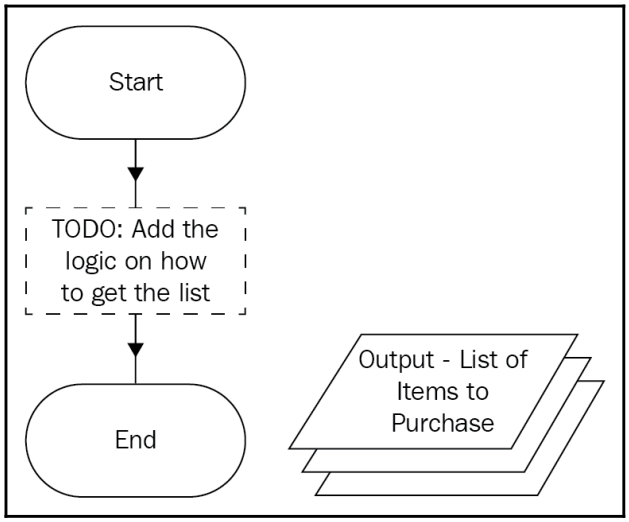

1
3
2

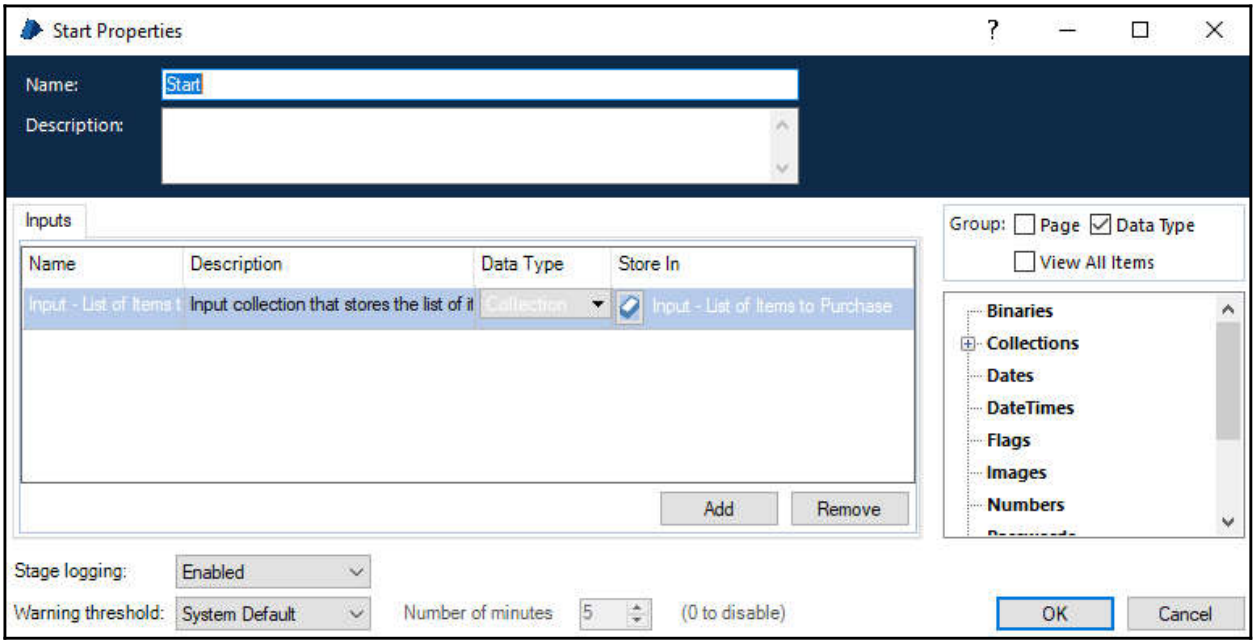
Chapter 3:
Pages, Data Items, Blocks, Collections, and Loops

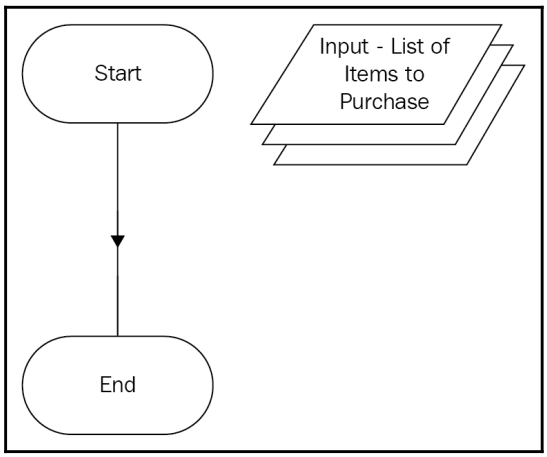


Graphic

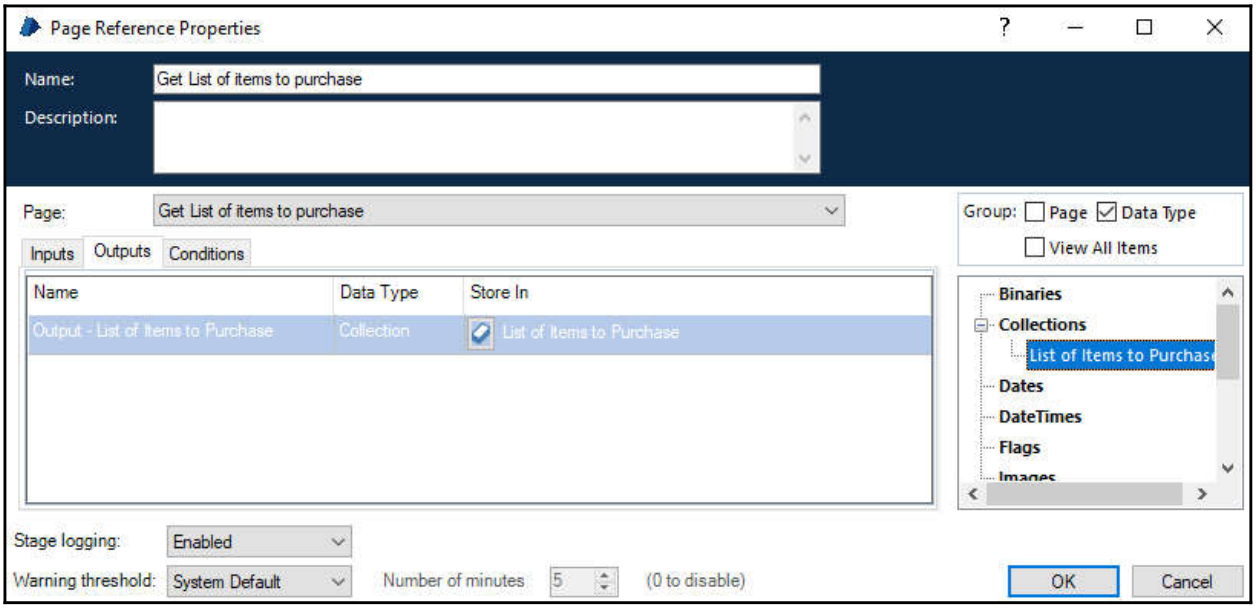

End Properties
Name:
End
Description:
Outputs
Name
Description
Data Type
Get Value From
Output - List of Items to Purchase
Output collection that stores the list of
Collection
Output - List of Items to Purchase
Group:
Page
Data Type
View All Items
Binaries
Collections
Output - List of Items to Pu
Dates
DateTimes
Flags
Add
Remove
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

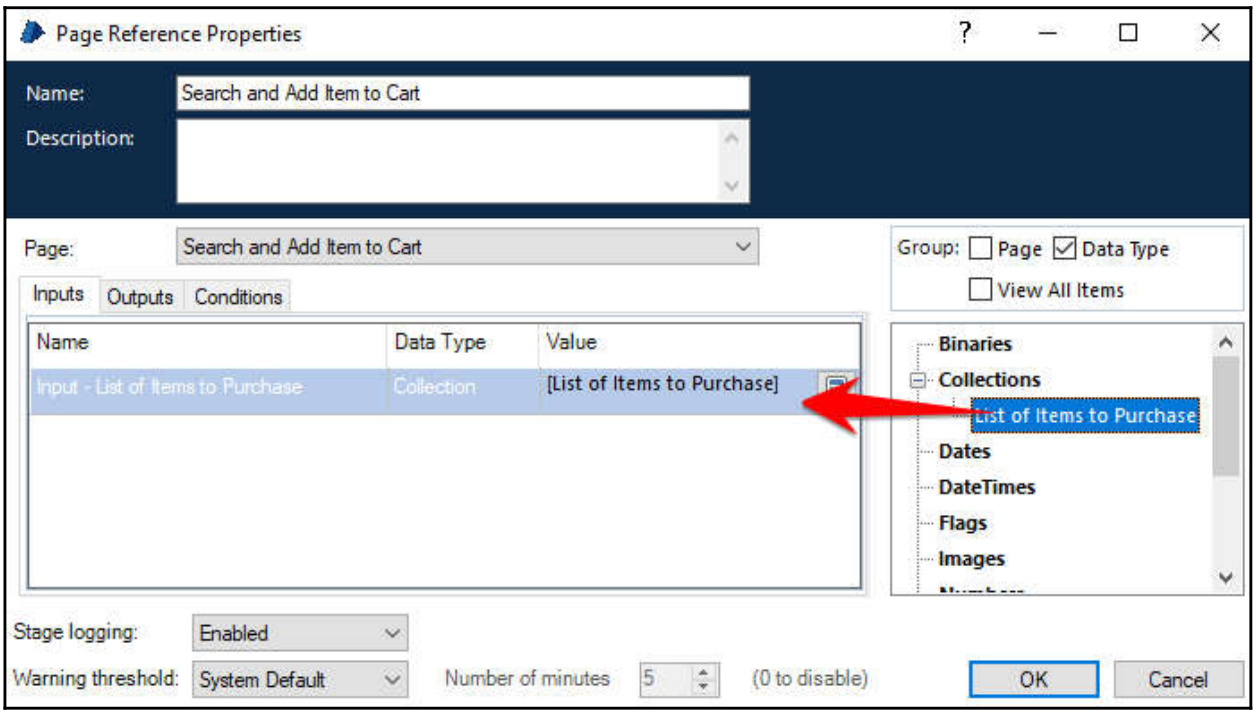

Start
TODO: Add the logic on how to get the list
End
Output - List of Items to Purchase

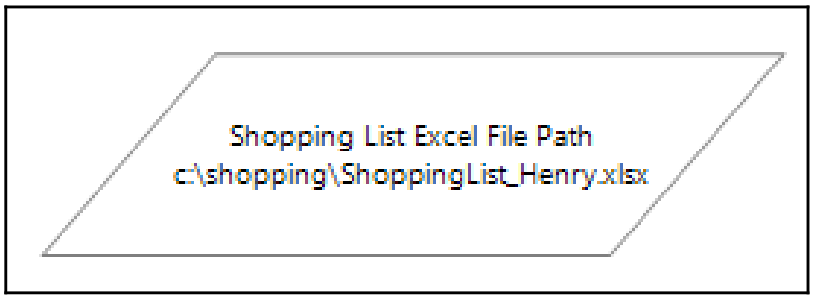

Start Properties
Name:
Start
Description:
Inputs
Name
Description
Data Type
Store In
Input - List of Items t
Input collection that stores the list of it
Collection
Input - List of Items to Purchase
Add
Remove
Group:
Page
Data Type
View All Items
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

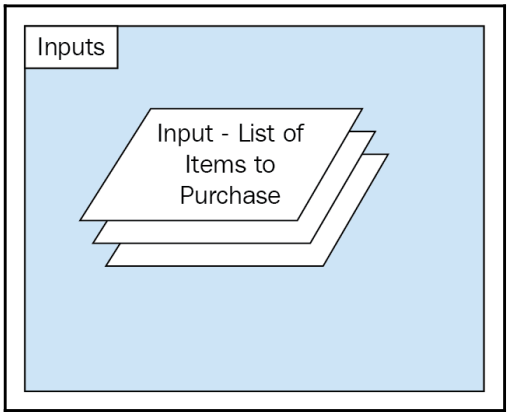

Start
Input - List of Items to Purchase
End

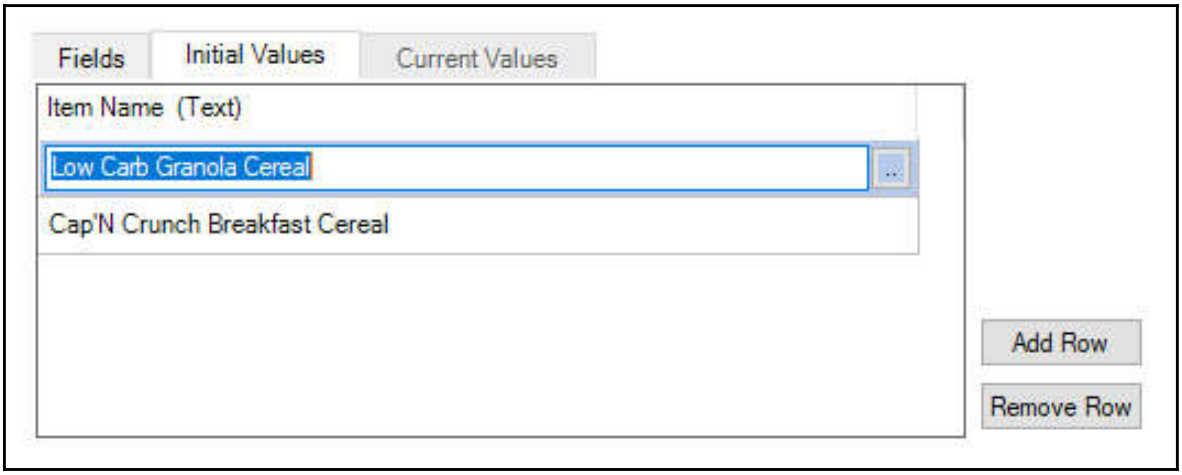
Graphic

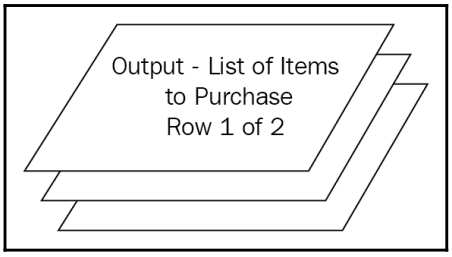

Page Reference Properties
Name:
Get List of items to purchase
Description:
Page:
Get List of items to purchase
Group: Page Data Type
View All Items
Inputs
Outputs
Conditions
Name
Data Type
Store In
Output - List of Items to Purchase
Collection
List of Items to Purchase
Binaries
Collections
List of Items to Purchase
Dates
DateTimes
Flags
Images
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

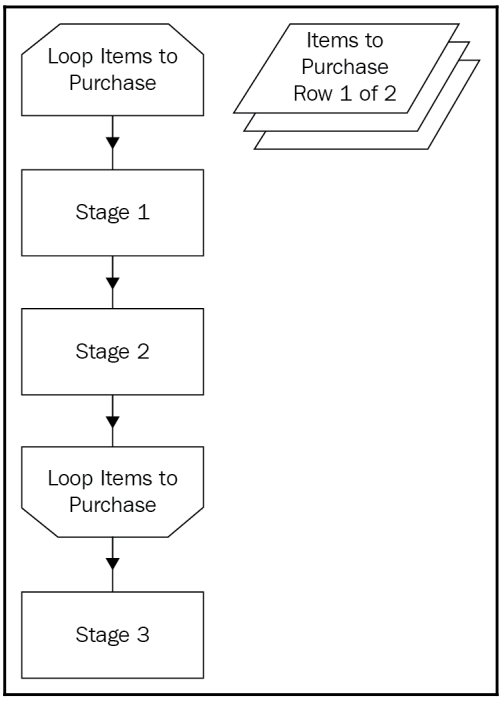

Page Reference Properties
Name:
Search and Add Item to Cart
Description:
Page:
Search and Add Item to Cart
Group: Page Data Type
View All Items
Inputs
Outputs
Conditions
Name
Data Type
Value
Input - List of Items to Purchase
Collection
[List of Items to Purchase]
Binaries
Collections
List of Items to Purchase
Dates
DateTimes
Flags
Images
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

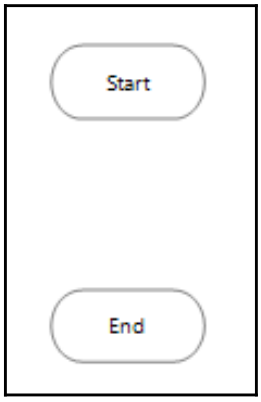

Shopping List Excel File Path
c:\shopping\ShoppingList_Henry.xlsx

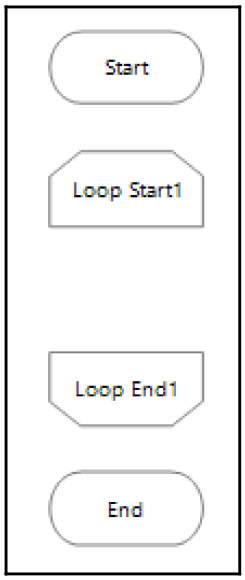

Inputs
Input - List of Items to Purchase

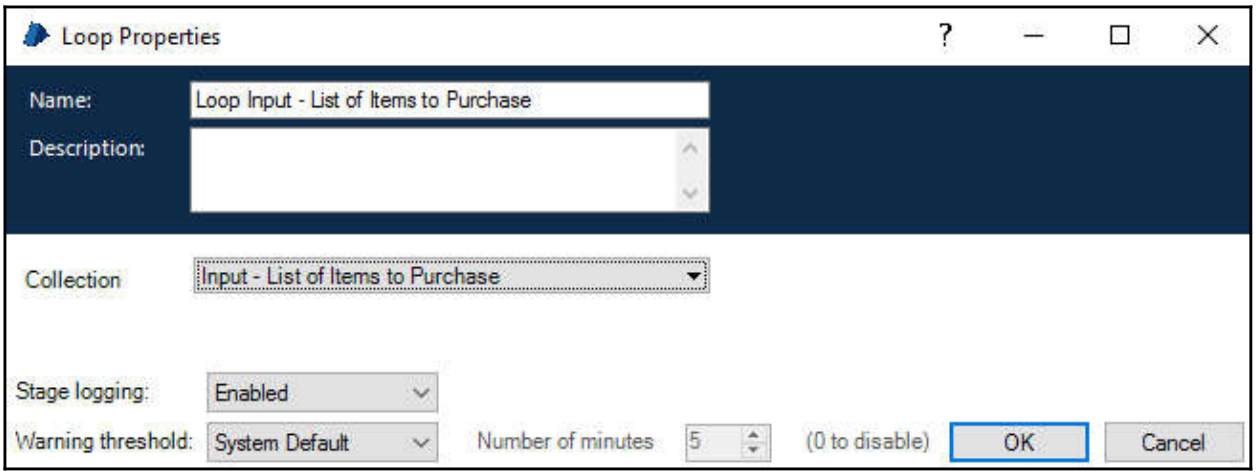

Fields
Initial Values
Current Values
Item Name (Text)
Low Carb Granola Cereal
Cap'N Crunch Breakfast Cereal
Add Row
Remove Row

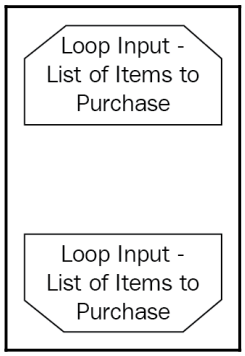

Output - List of Items to Purchase
Row 1 of 2

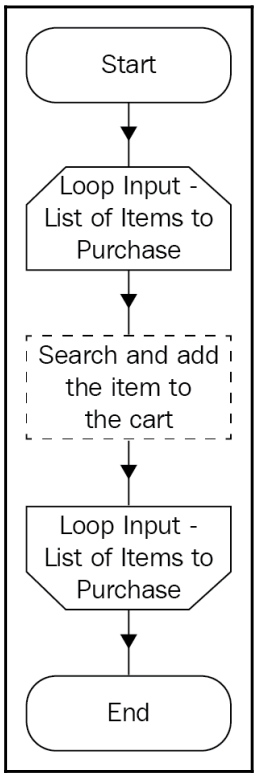

Loop Items to Purchase
Items to Purchase Row 1 of 2
Stage 1
Stage 2
Loop Items to Purchase
Stage 3

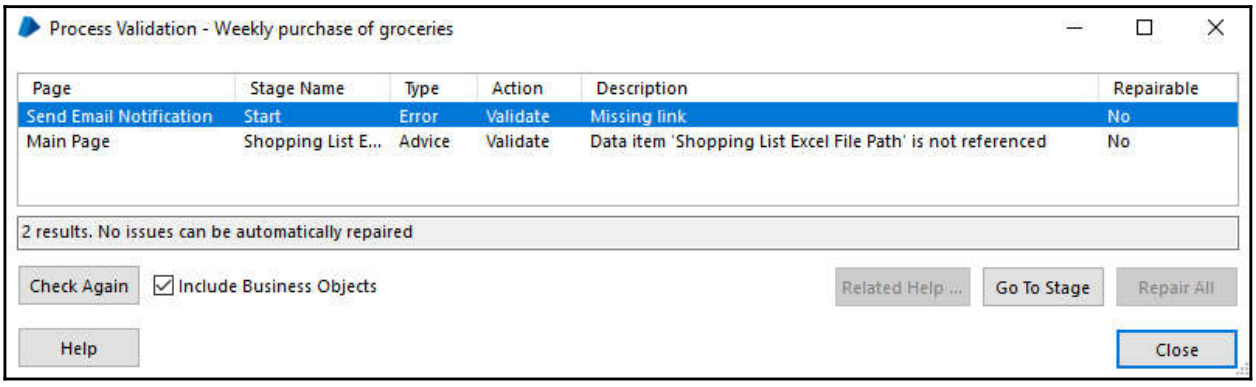

Start
End

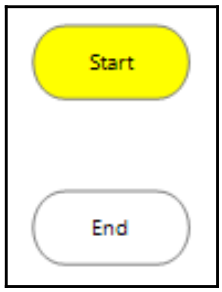

Start
Loop Start1
Loop End1
End


Loop Properties
Name:
Loop Input - List of Items to Purchase
Description:
Collection
Input - List of Items to Purchase
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

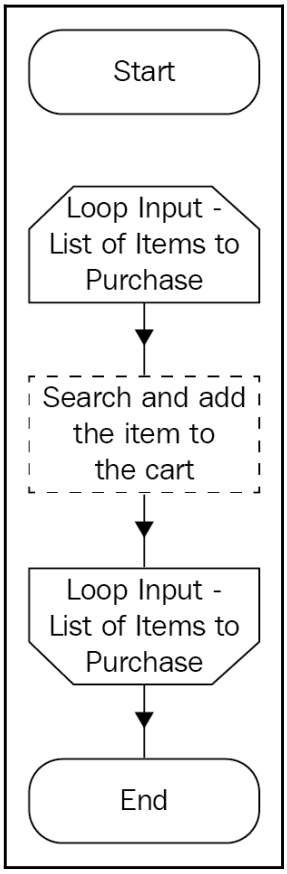

Loop Input - List of Items to Purchase
Loop Input - List of Items to Purchase

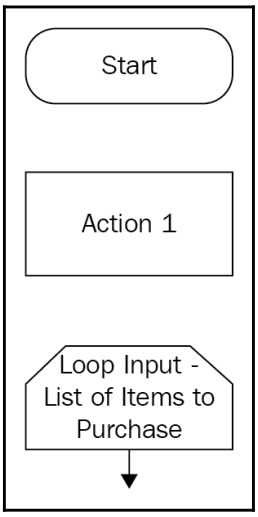

Start
Loop Input - List of Items to Purchase
Search and add the item to the cart
Loop Input - List of Items to Purchase
End

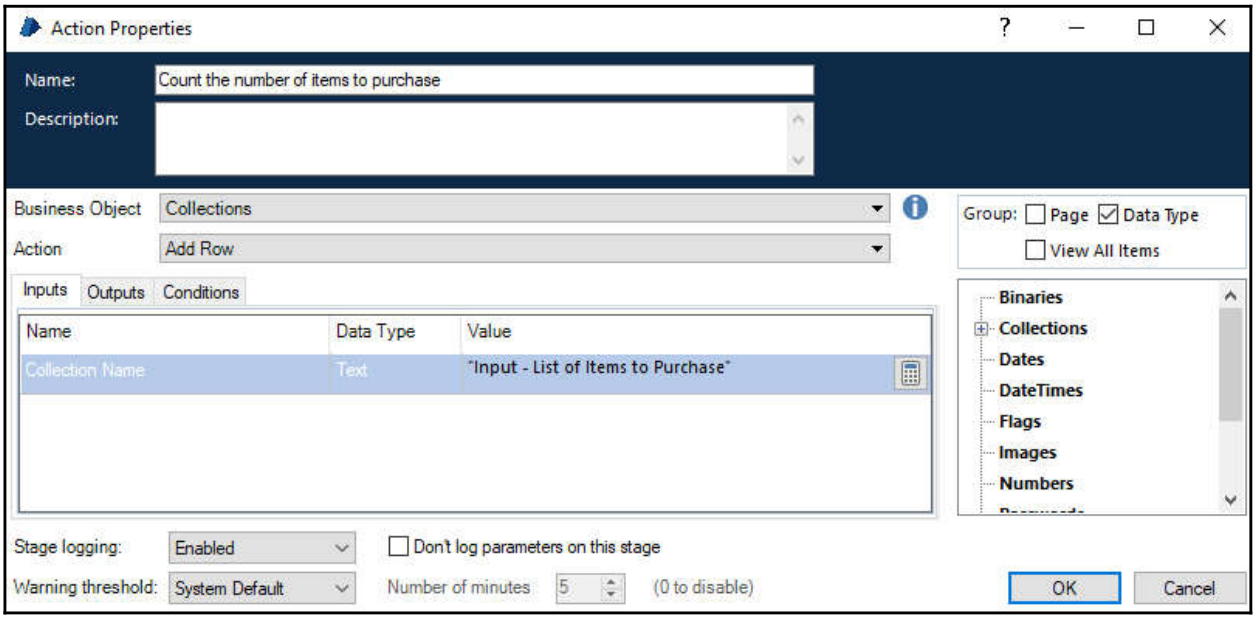

Process Validation - Weekly purchase of groceries
Page
Stage Name
Type
Action
Description
Repairable
Send Email Notification
Start
Error
Validate
Missing link
No
Main Page
Shopping List E...
Advice
Validate
Data item 'Shopping List Excel File Path' is not referenced
No
2 results. No issues can be automatically repaired
Check Again
Include Business Objects
Related Help ...
Go To Stage
Repair All
Help
Close


Start
End

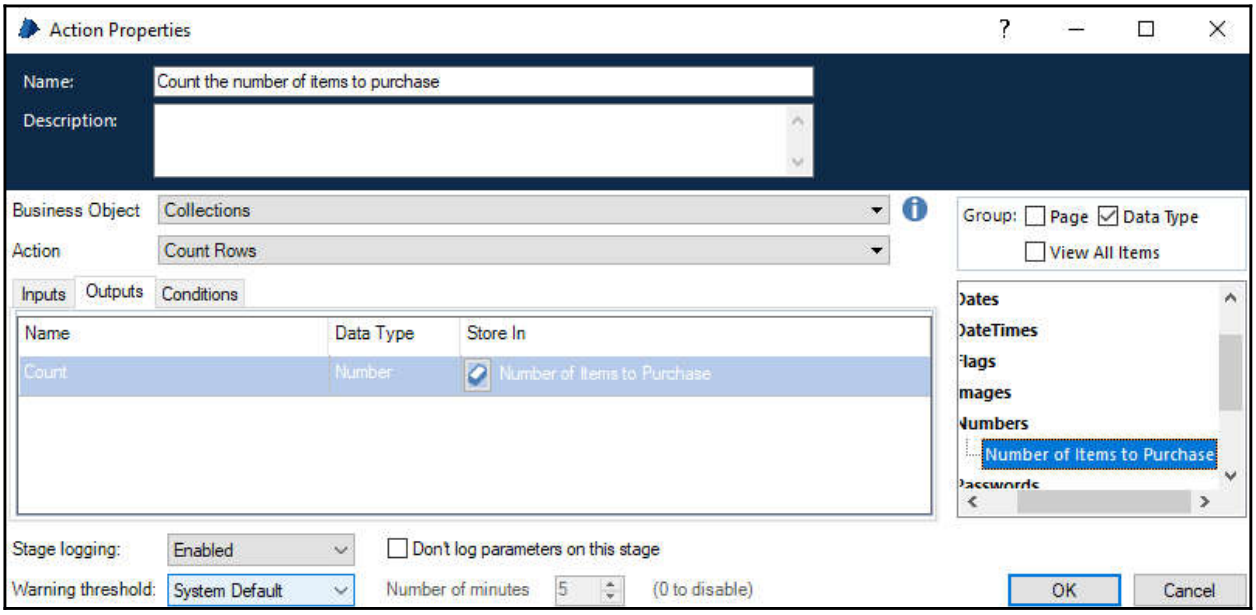
Chapter 4:
Actions, Decisions, Choices, and Calculations

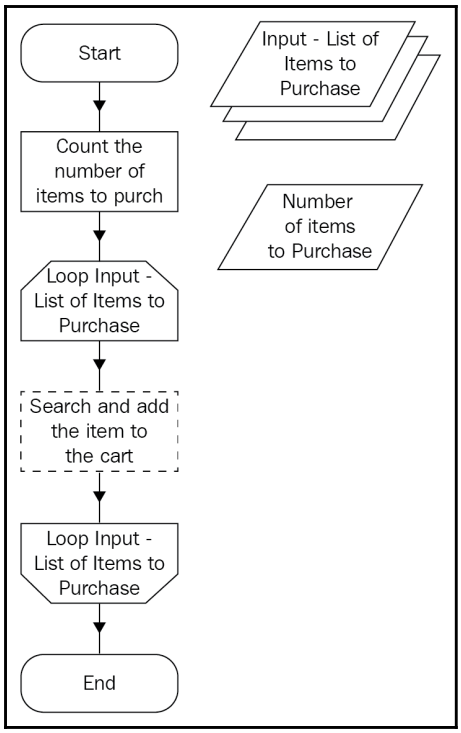


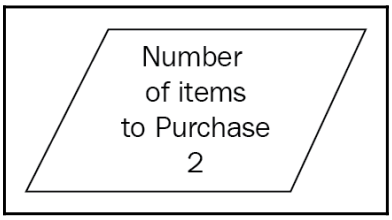

Start
Action 1
Loop Input - List of Items to Purchase

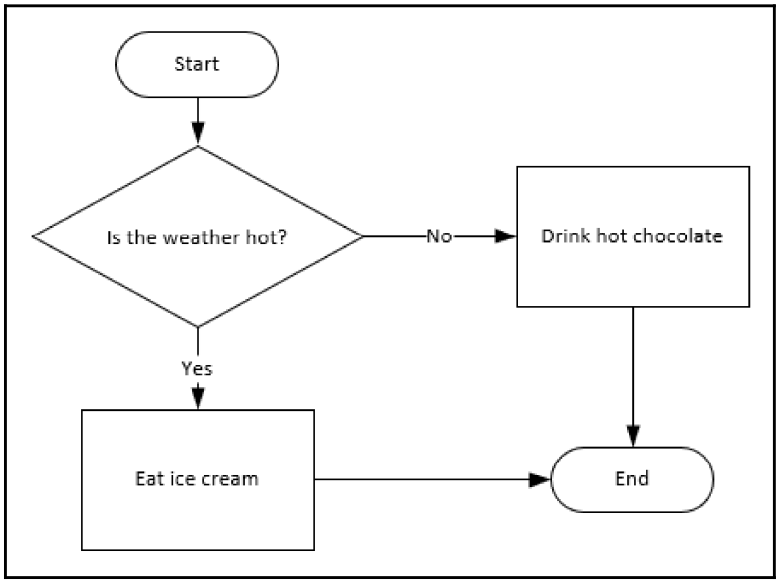

Action Properties
Name:
Count the number of items to purchase
Description:
Business Object
Collections
Action
Add Row
Inputs
Outputs
Conditions
Name
Data Type
Value
Collection Name
Text
"Input - List of Items to Purchase"
Group:
Page
Data Type
View All Items
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
Stage logging:
Enabled
Don't log parameters on this stage
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

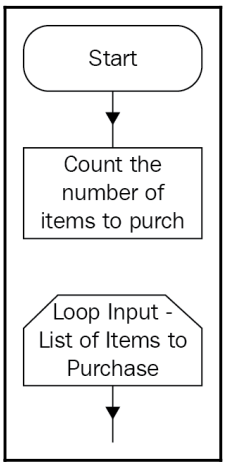
Graphic

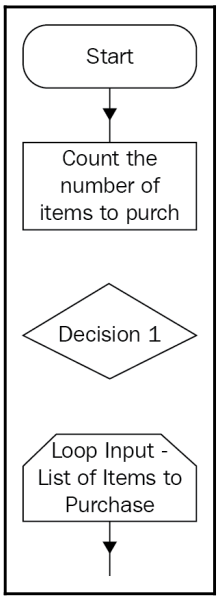

Action Properties
Name:
Count the number of items to purchase
Description:
Business Object
Collections
Action
Count Rows
Inputs
Outputs
Conditions
Name
Data Type
Store In
Count
Number
Number of Items to Purchase
Group:
Page
Data Type
View All Items
Dates
DateTimes
Flags
Images
Numbers
Number of Items to Purchase
Stage logging:
Enabled
Don't log parameters on this stage
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

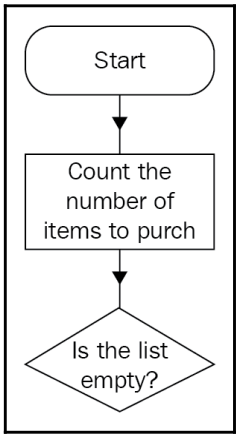

Start
Count the number of items to purch
Loop Input - List of Items to Purchase
Search and add the item to the cart
Loop Input - List of Items to Purchase
End
Input - List of Items to Purchase
Number of items to Purchase

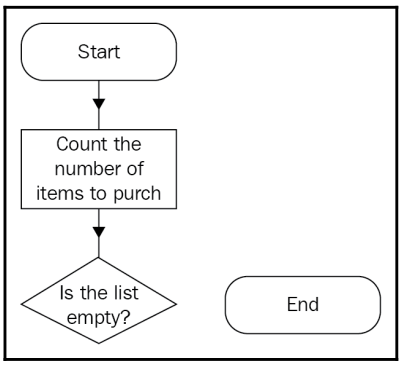

Number
of items
to Purchase
2

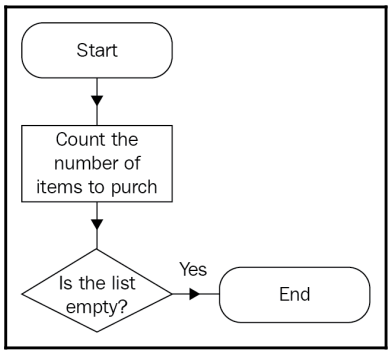

Start
Is the weather hot?
No
Drink hot chocolate
Yes
Eat ice cream
End

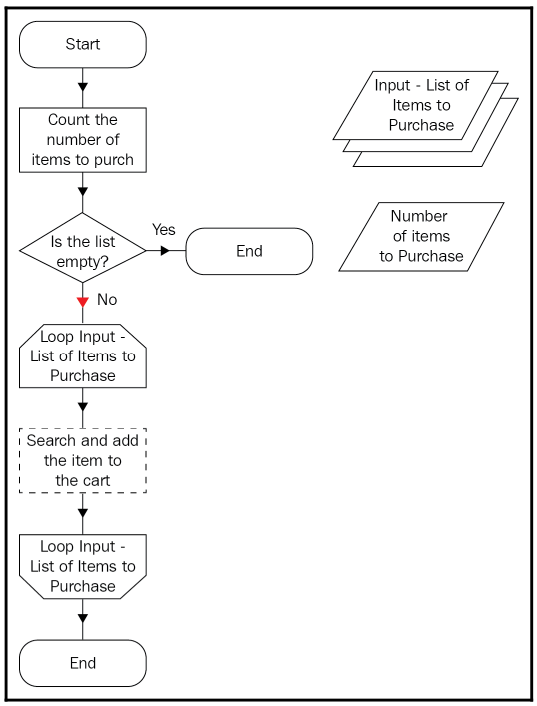

Start
Count the
number of
items to purch
Loop Input -
List of Items to
Purchase

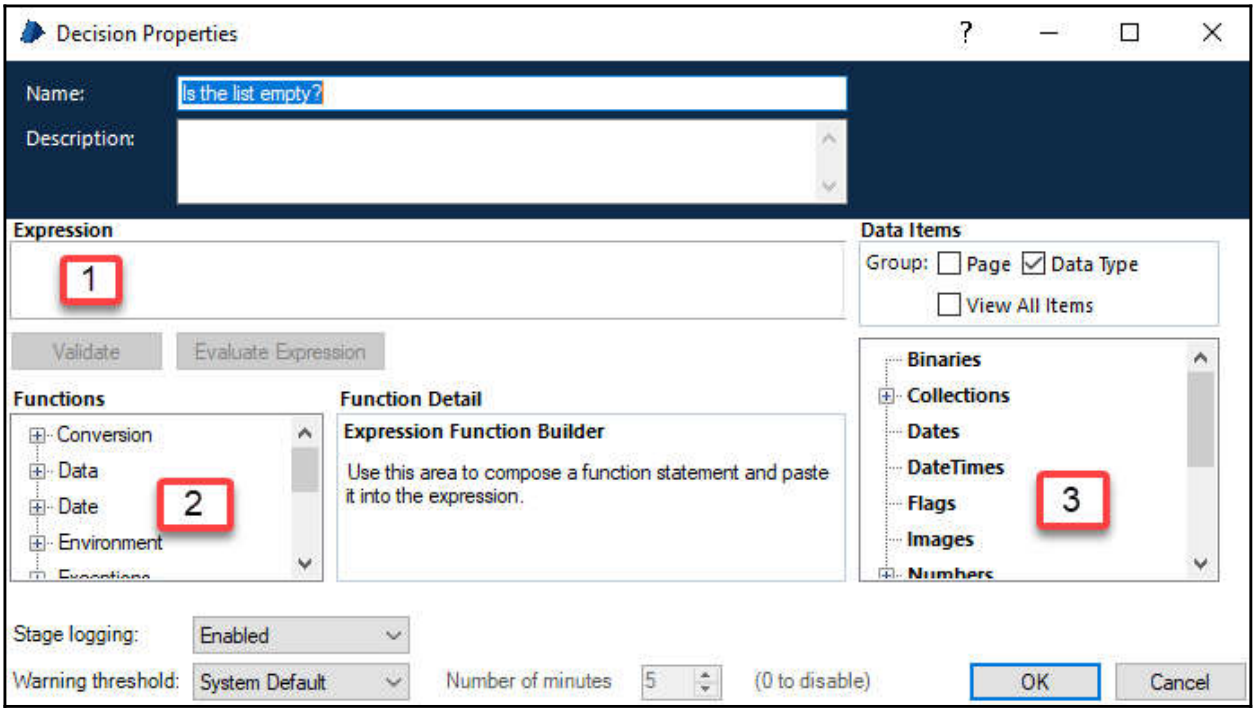

Start
Count the number of items to purch
Decision 1
Loop Input - List of Items to Purchase

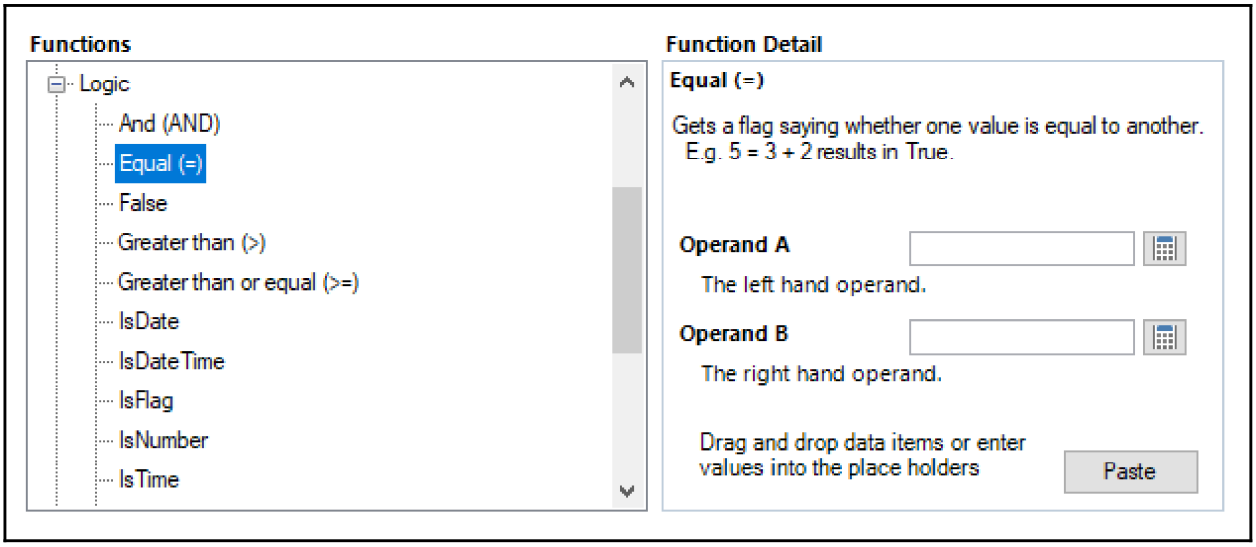

Start
Count the number of items to purch
Is the list empty?

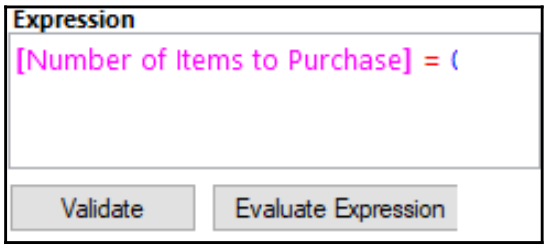

Start
Count the number of items to purch
Is the list empty?
End

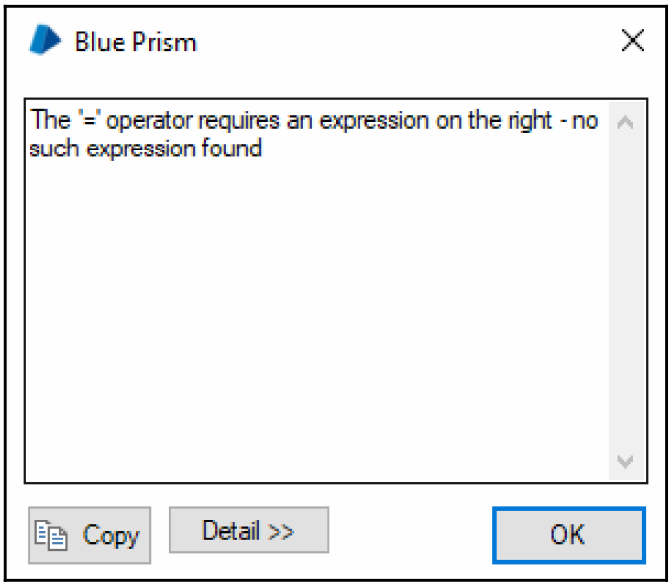

Start
Count the number of items to purch
Is the list empty?
Yes
End

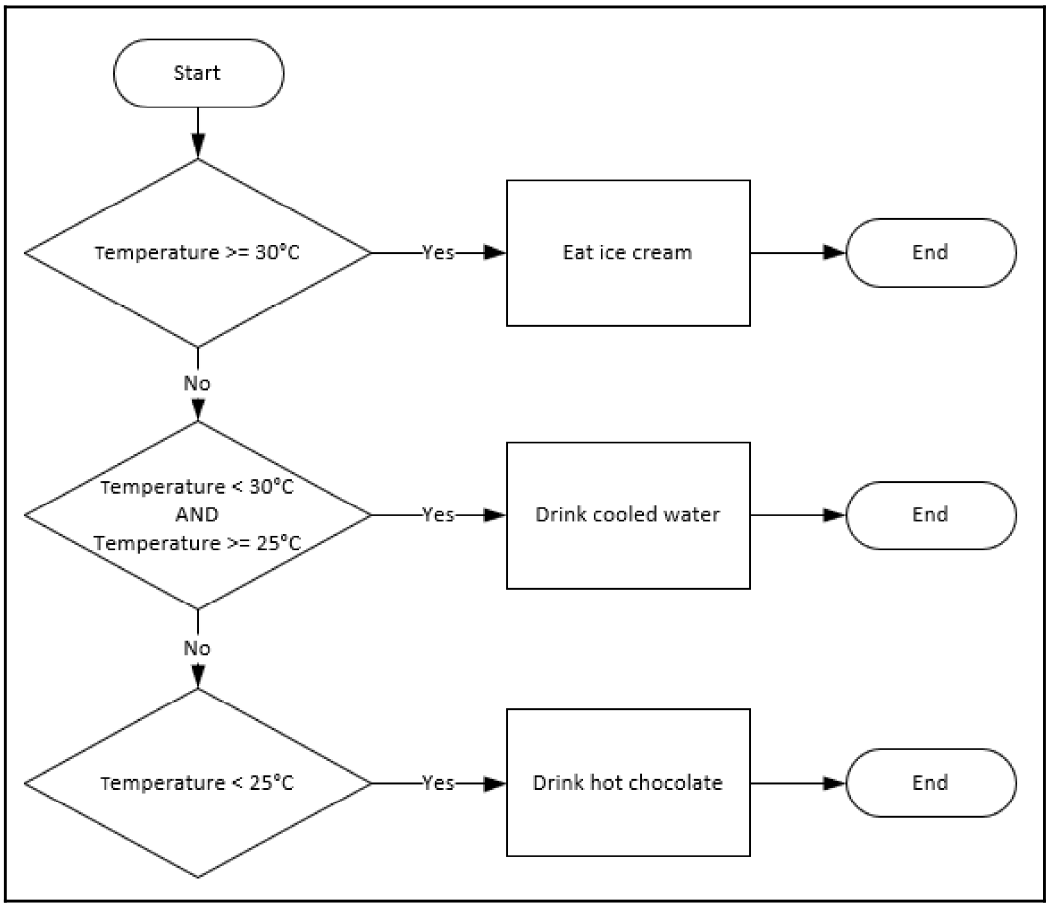

Start
Count the number of items to purch
Is the list empty?
Yes
End
No
Loop Input - List of Items to Purchase
Search and add the item to the cart
Loop Input - List of Items to Purchase
End
Input - List of Items to Purchase
Number of items to Purchase

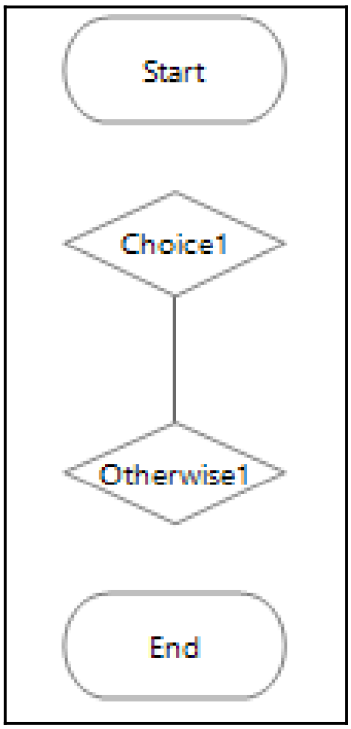

Decision Properties
Name:
Is the list empty?
Description:
Expression
1
Validate
Evaluate Expression
Functions
Conversion
Data
Date
Environment
2
Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.
Data Items
Group: Page Data Type
View All Items
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
3
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

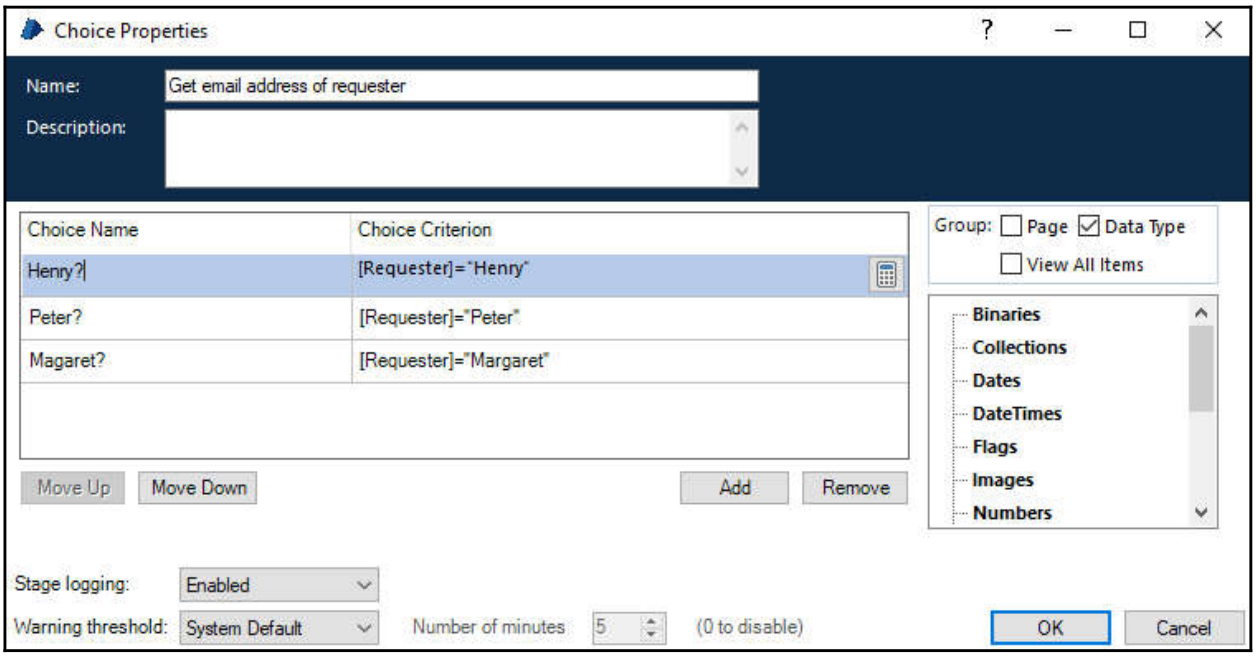

Functions
Logic
And (AND)
Equal (=)
False
Greater than (>)
Greater than or equal (>=)
IsDate
IsDateTime
IsFlag
IsNumber
IsTime
Function Detail
Equal (=)
Gets a flag saying whether one value is equal to another.
E.g. 5 = 3 + 2 results in True.
Operand A
The left hand operand.
Operand B
The right hand operand.
Drag and drop data items or enter values into the place holders
Paste

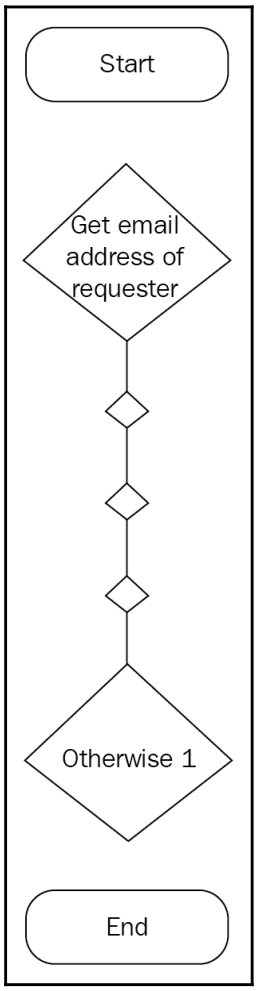

Expression
[Number of Items to Purchase] = (
Validate
Evaluate Expression

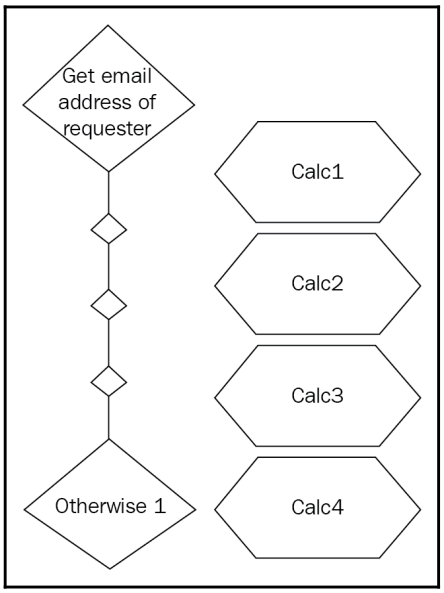

Blue Prism
The '=' operator requires an expression on the right - no such expression found
Copy
Detail >>
OK

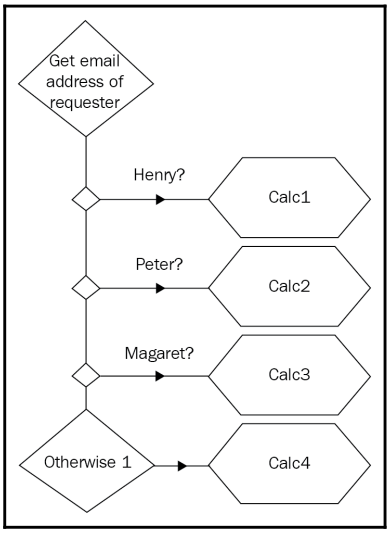

Start
Temperature >= 30°C
Yes
Eat ice cream
End
No
Temperature < 30°C
AND
Temperature >= 25°C
Yes
Drink cooled water
End
No
Temperature < 25°C
Yes
Drink hot chocolate
End

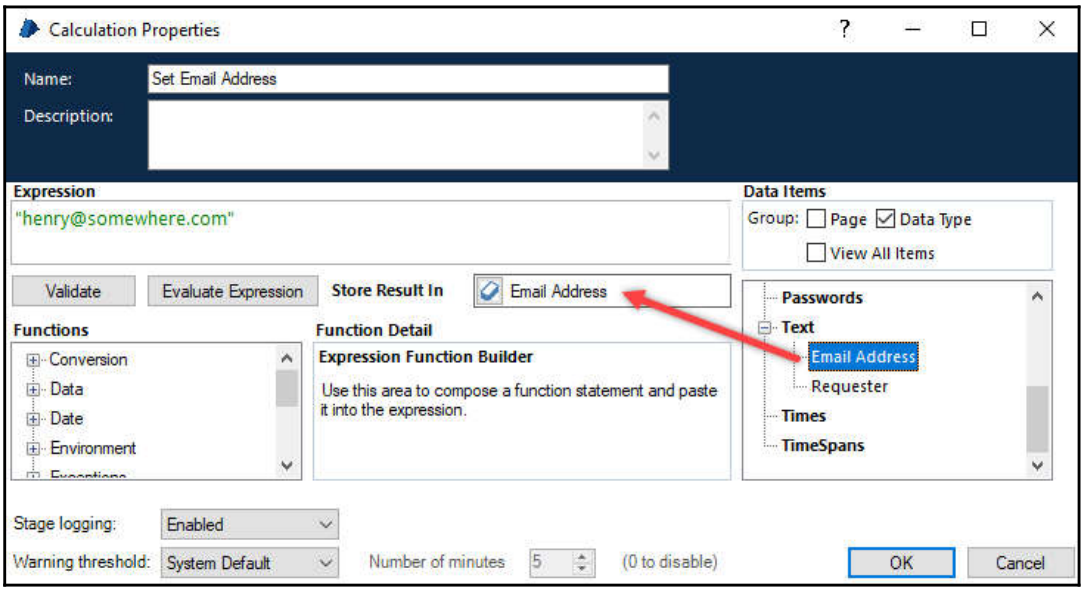

Start
Choice1
Otherwise1
End

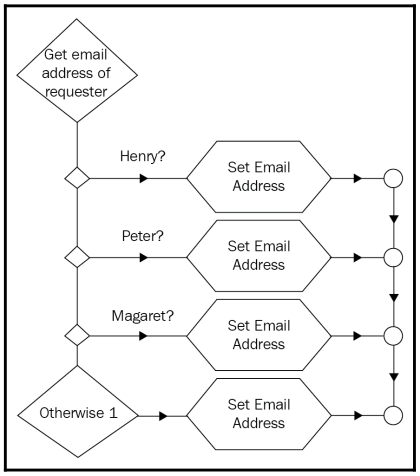

Choice Properties
Name:
Get email address of requester
Description:
Choice Name
Choice Criterion
Henry?
[Requester]="Henry"
Peter?
[Requester]="Peter"
Magaret?
[Requester]="Margaret"
Move Up
Move Down
Add
Remove
Group:
Page
Data Type
View All Items
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

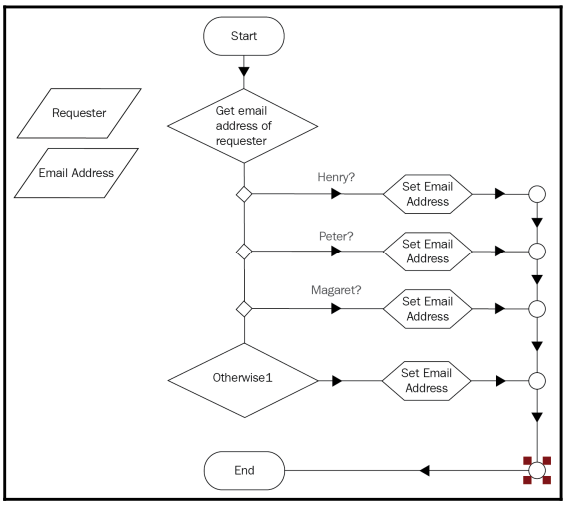

Start
Get email address of requester
Otherwise 1
End

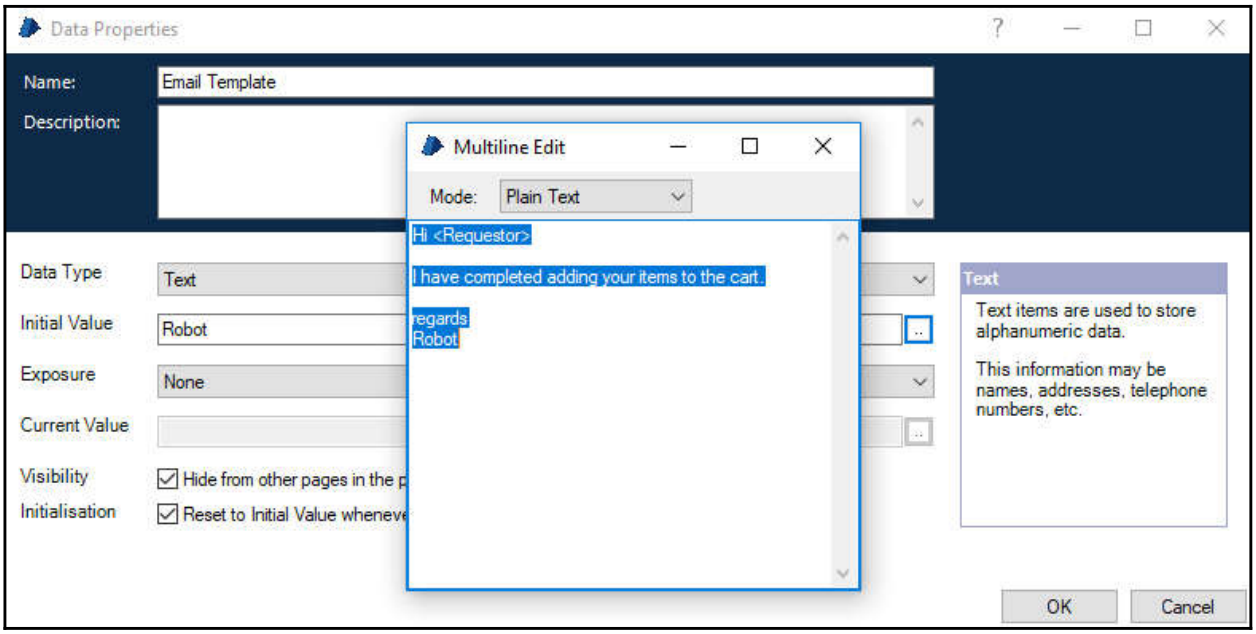

Get email address of requester
Calc1
Calc2
Calc3
Otherwise 1
Calc4

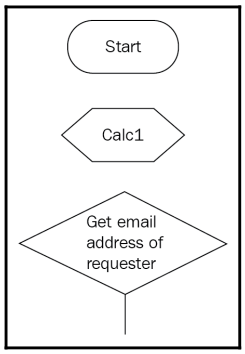

Get email address of requester
Henry?
Calc1
Peter?
Calc2
Magaret?
Calc3
Otherwise 1
Calc4

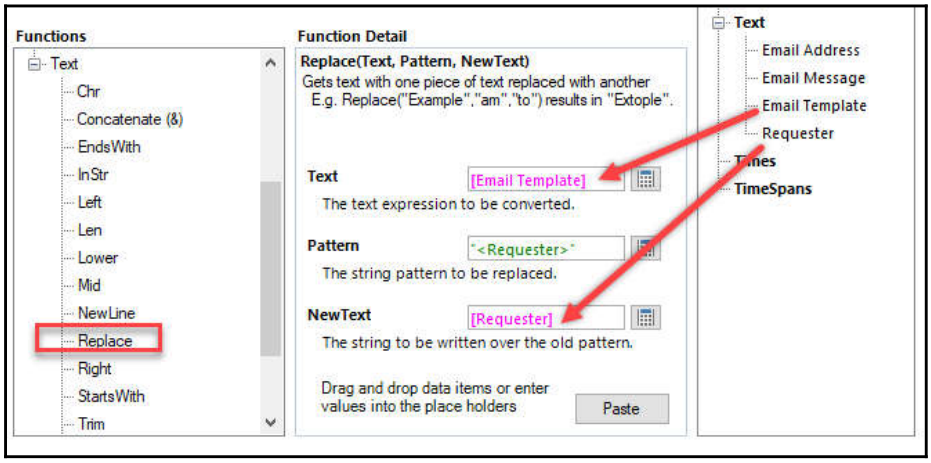

Calculation Properties
Name:
Set Email Address
Description:
Expression
"henry@somewhere.com"
Validate
Evaluate Expression
Store Result In
Email Address
Functions
Conversion
Data
Date
Environment
Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.
Data Items
Group: Page Data Type
View All Items
Passwords
Text
Email Address
Requester
Times
TimeSpans
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

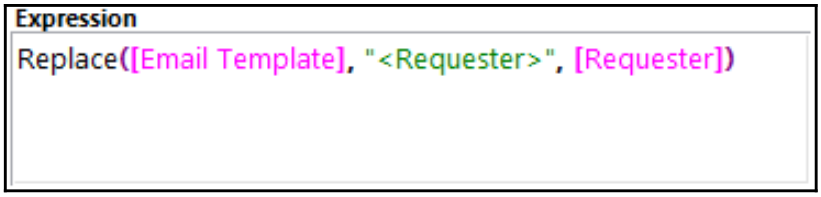

Get email address of requester
Henry?
Set Email Address
Peter?
Set Email Address
Magaret?
Set Email Address
Otherwise 1
Set Email Address

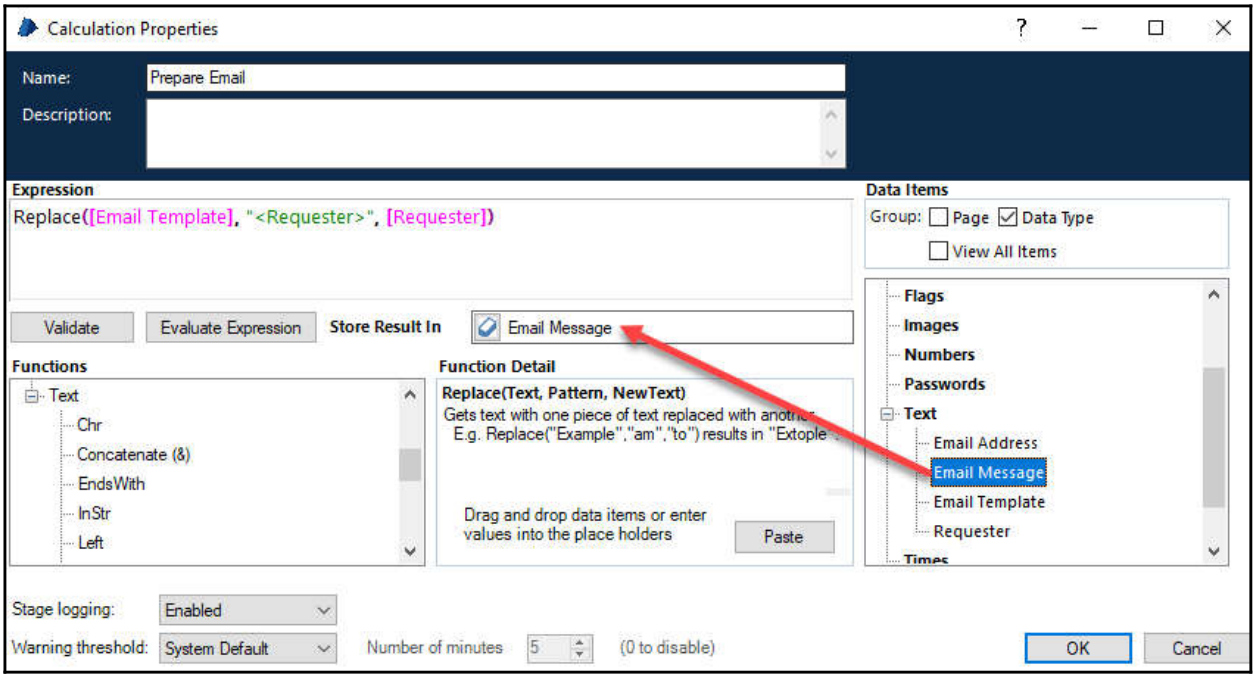

Start
Requester
Email Address
Get email address of requester
Henry?
Set Email Address
Peter?
Set Email Address
Magaret?
Set Email Address
Otherwise1
Set Email Address
End

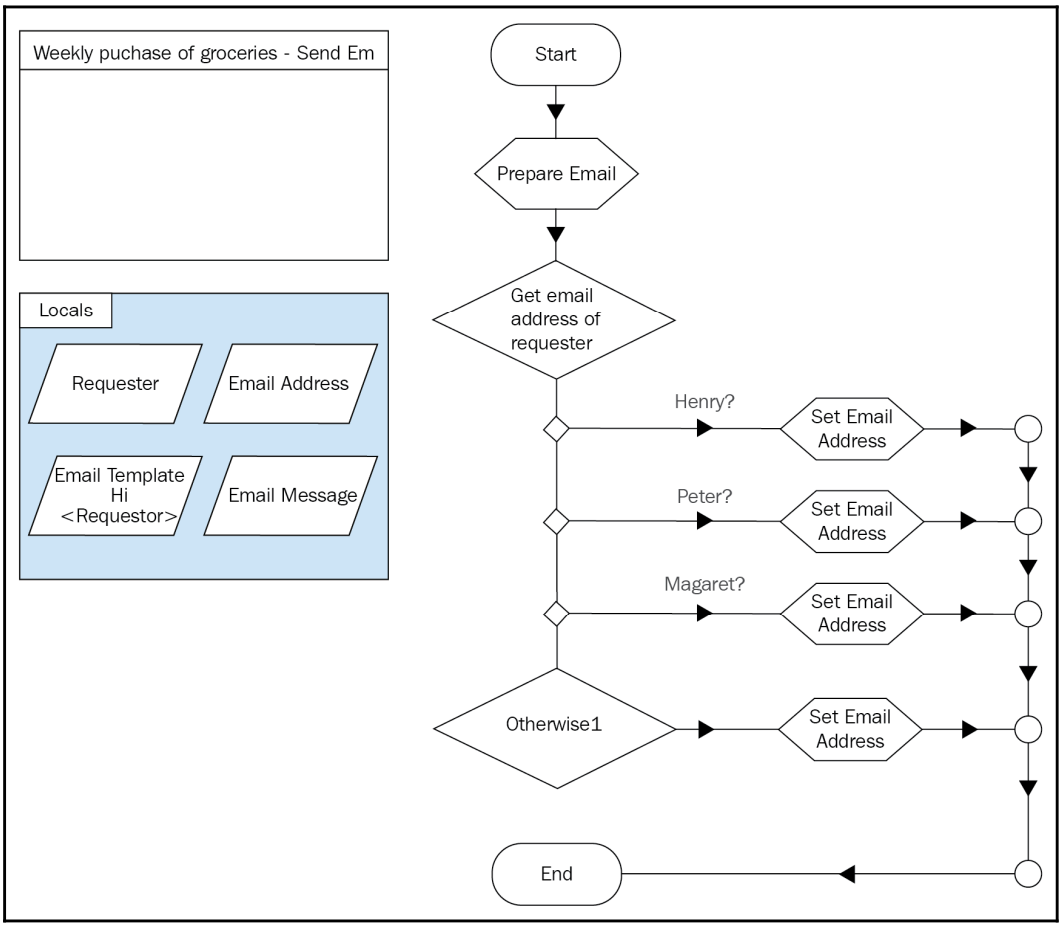

Data Properties
Name:
Email Template
Description:
Multiline Edit
Mode:
Plain Text
Hi <Requestor>
I have completed adding your items to the cart.
regards
Robot
Data Type
Text
Initial Value
Robot
Exposure
None
Current Value
Visibility
Hide from other pages in the p
Initialisation
Reset to Initial Value whenev
Text
Text items are used to store alphanumeric data.
This information may be names, addresses, telephone numbers, etc.
OK
Cancel

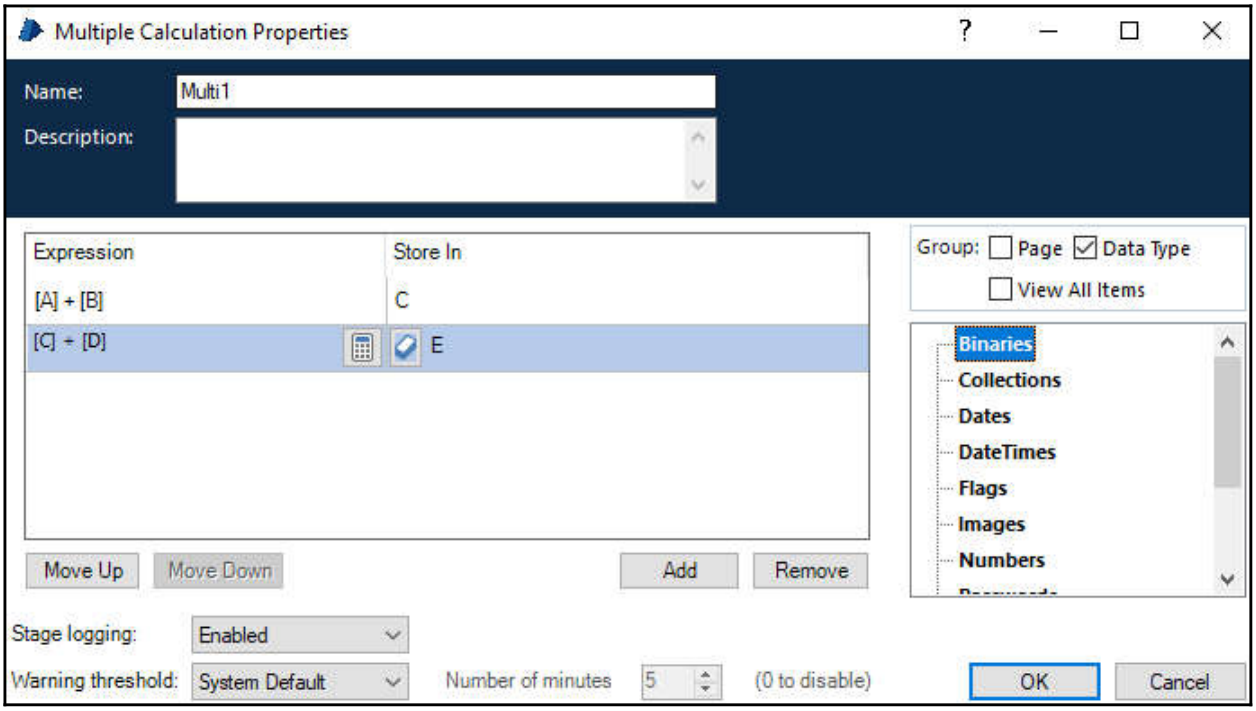

Start
Calc1
Get email address of requester


Functions
Text
Chr
Concatenate (&)
EndsWith
InStr
Left
Len
Lower
Mid
NewLine
Replace
Right
StartsWith
Trim
Function Detail
Replace(Text, Pattern, NewText)
Gets text with one piece of text replaced with another
E.g. Replace("Example","am","to") results in "Extople".
Text
[Email Template]
The text expression to be converted.
Pattern
"<Requester>"
The string pattern to be replaced.
NewText
[Requester]
The string to be written over the old pattern.
Drag and drop data items or enter values into the place holders
Paste
Text
Email Address
Email Message
Email Template
Requester
TimeSpans

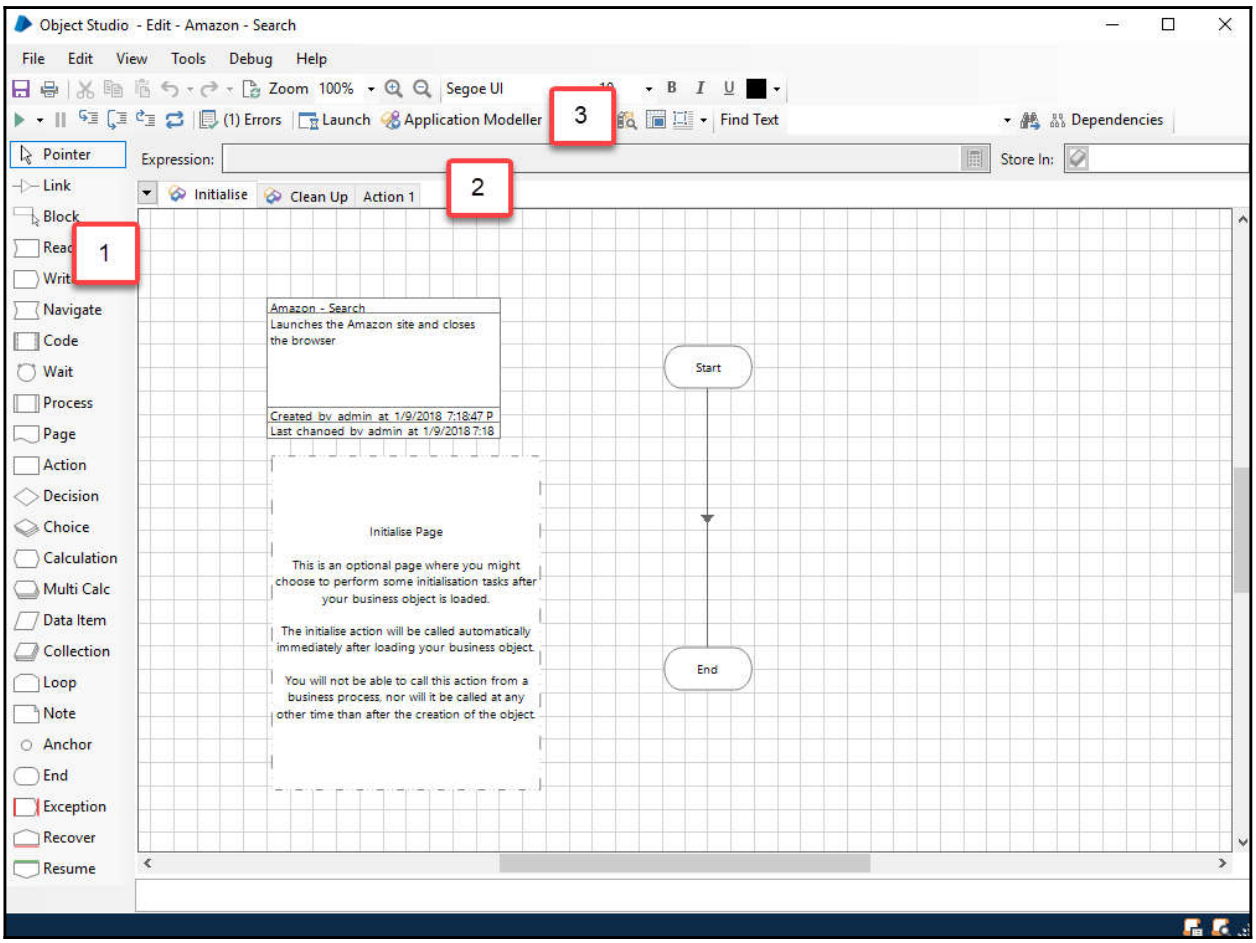

Expression
Replace([Email Template], "<Requester>", [Requester])

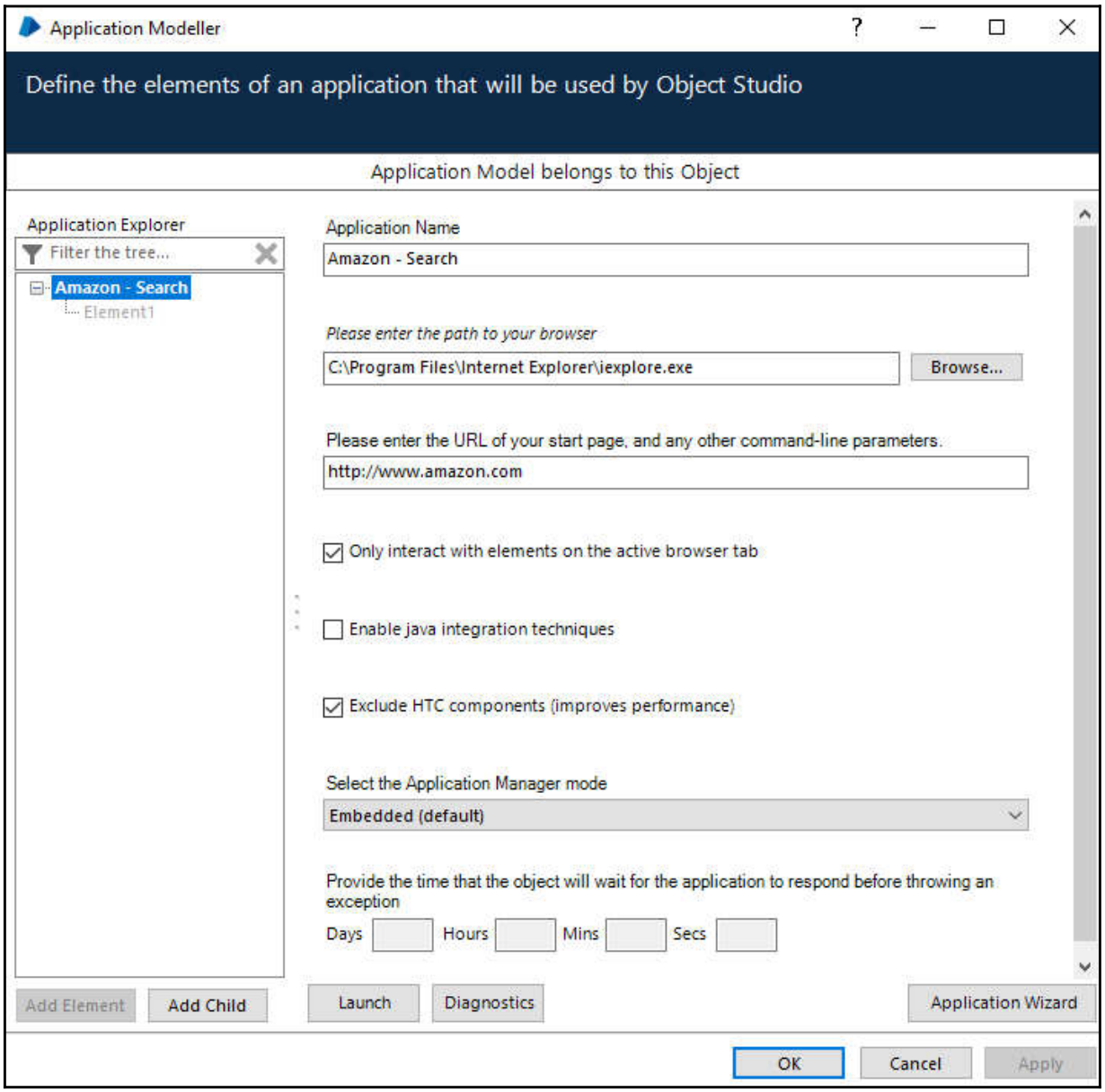

Calculation Properties
Name:
Prepare Email
Description:
Expression
Replace([Email Template], "<Requester>", [Requester])
Validate
Evaluate Expression
Store Result In
Email Message
Functions
Text
Chr
Concatenate (&)
EndsWith
InStr
Left
Function Detail
Replace(Text, Pattern, NewText)
Drag and drop data items or enter values into the place holders
Paste
Data Items
Group:
Page
Data Type
View All Items
Flags
Images
Numbers
Passwords
Text
Email Address
Email Message
Email Template
Requester
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel


Weekly puchase of groceries - Send Em
Locals
Requester
Email Address
Email Template
Hi
<Requestor>
Email Message
Start
Prepare Email
Get email address of requester
Henry?
Set Email Address
Peter?
Set Email Address
Magaret?
Set Email Address
Otherwise1
Set Email Address
End

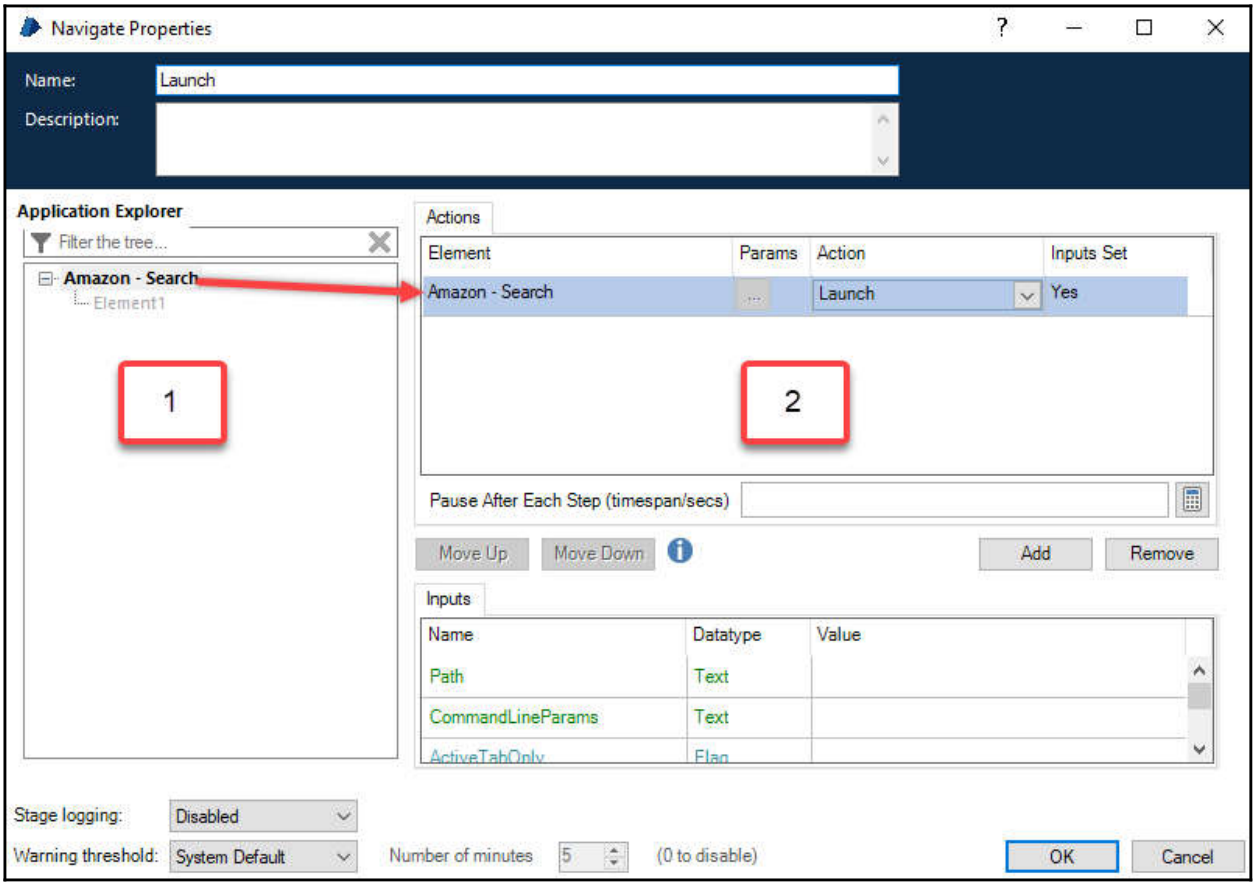

Multiple Calculation Properties
Name:
Multi1
Description:
Expression
Store In
[A] + [B]
C
[C] + [D]
E
Group:
Page
Data Type
View All Items
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
Move Up
Move Down
Add
Remove
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

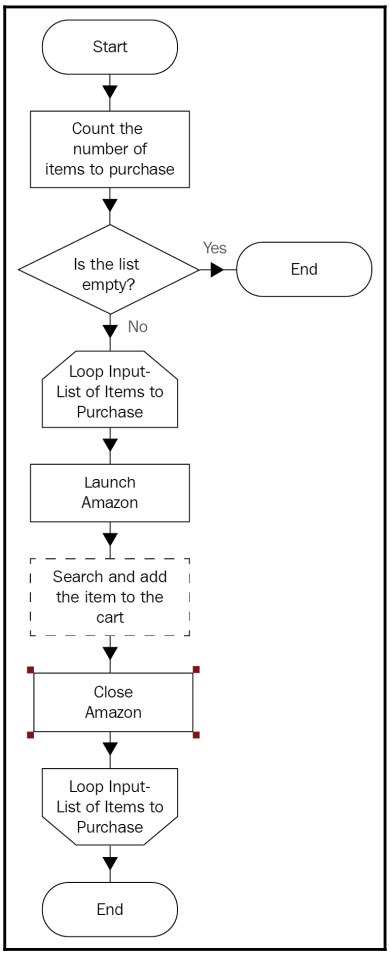
Chapter 5: Implementing Business Objects



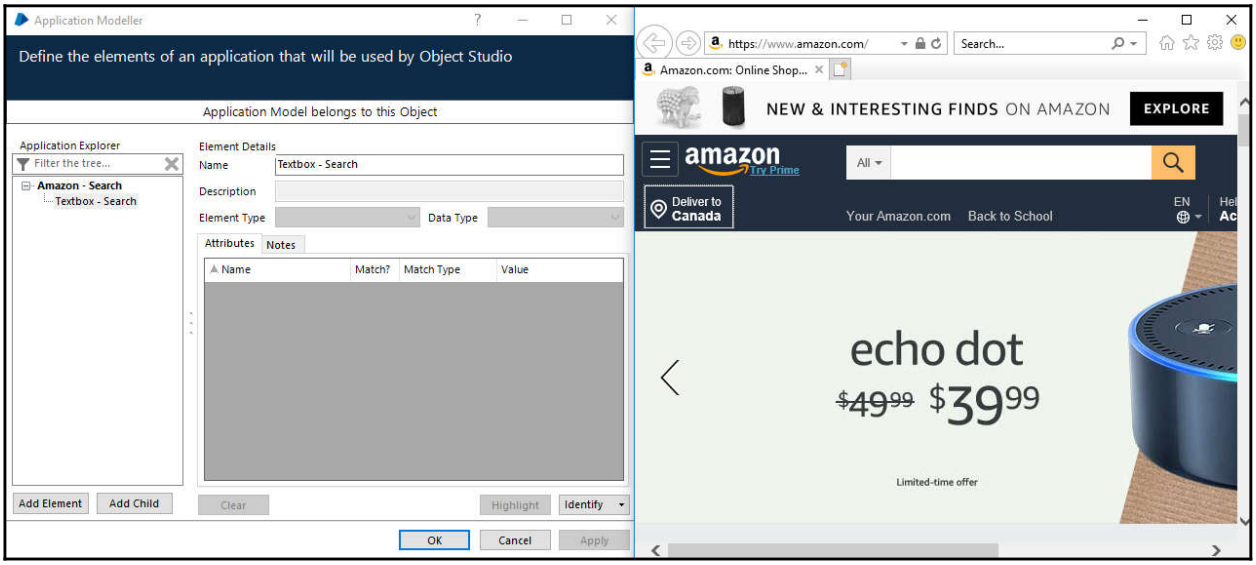

Application Modeller
Define the elements of an application that will be used by Object Studio
Application Model belongs to this Object
Application Explorer
Filter the tree...
Amazon - Search
Element1
Application Name
Amazon - Search
Please enter the path to your browser
C:\Program Files\Internet Explorer\iexplore.exe
Browse...
Please enter the URL of your start page, and any other command-line parameters.
http://www.amazon.com
Only interact with elements on the active browser tab
Enable java integration techniques
Exclude HTC components (improves performance)
Select the Application Manager mode
Embedded (default)
Provide the time that the object will wait for the application to respond before throwing an exception
Days
Hours
Mins
Secs
Add Element
Add Child
Launch
Diagnostics
Application Wizard
OK
Cancel
Apply

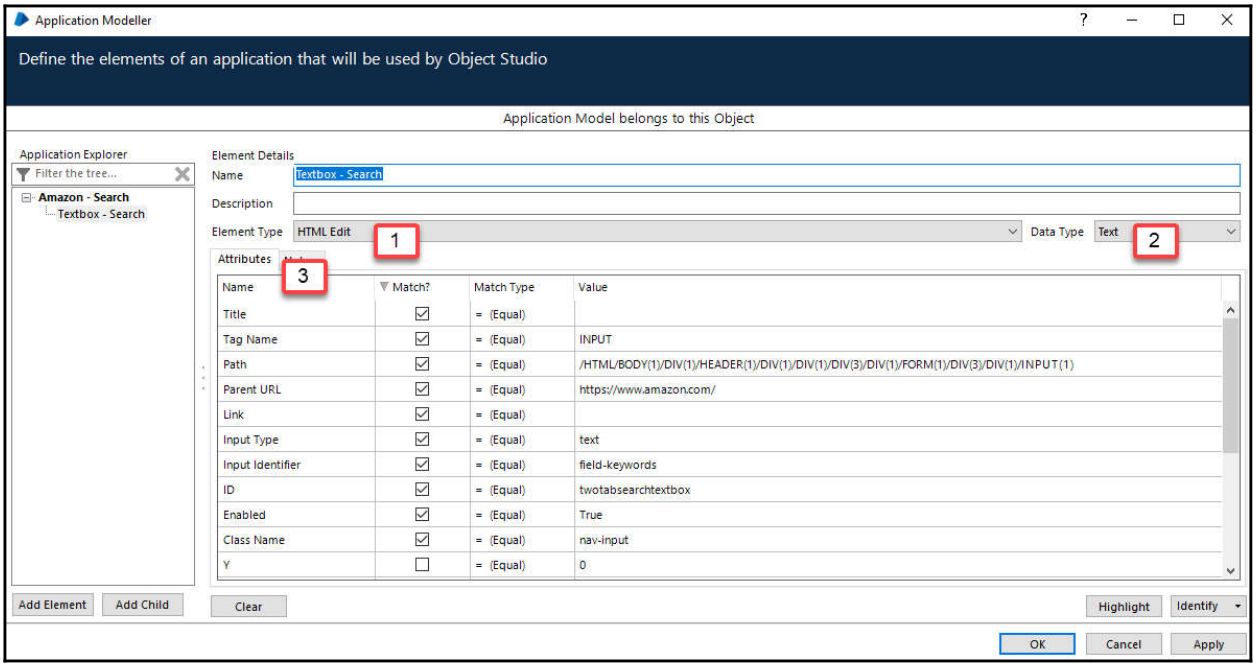
Graphic


Navigate Properties
Name:
Launch
Description:
Application Explorer
Filter the tree...
Amazon - Search
Element1
1
Actions
Element
Params
Action
Inputs Set
Amazon - Search
Launch
Yes
2
Pause After Each Step (timespan/secs)
Move Up
Move Down
Add
Remove
Inputs
Name
Datatype
Value
Path
Text
CommandLineParams
Text
ActiveTabOnly
Flag
Stage logging:
Disabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

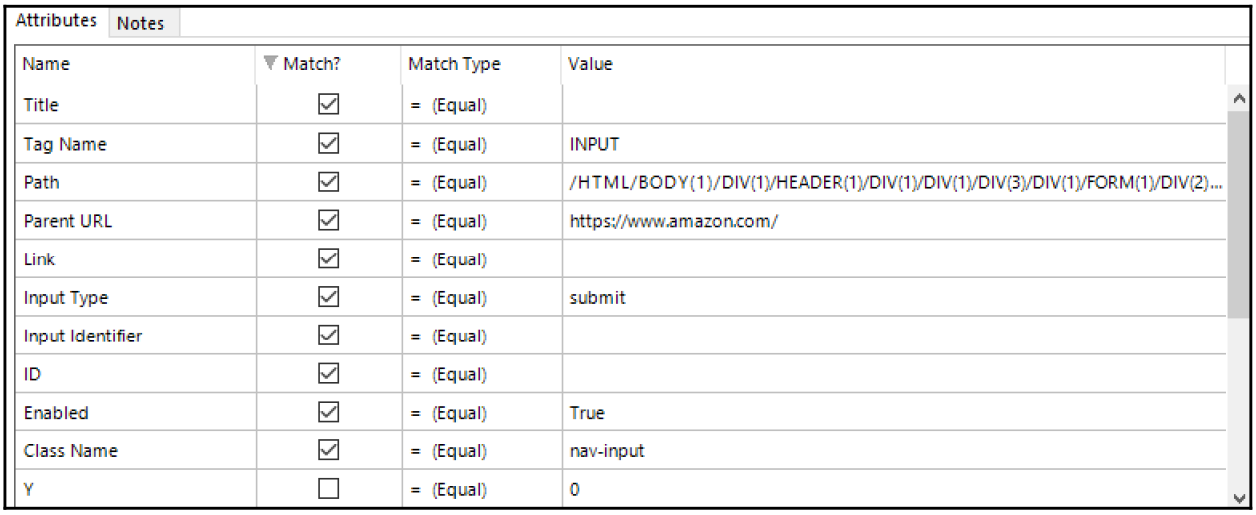

Start
Count the number of items to purchase
Is the list empty?
Yes
End
No
Loop Input- List of Items to Purchase
Launch Amazon
Search and add the item to the cart
Close Amazon
Loop Input- List of Items to Purchase
End

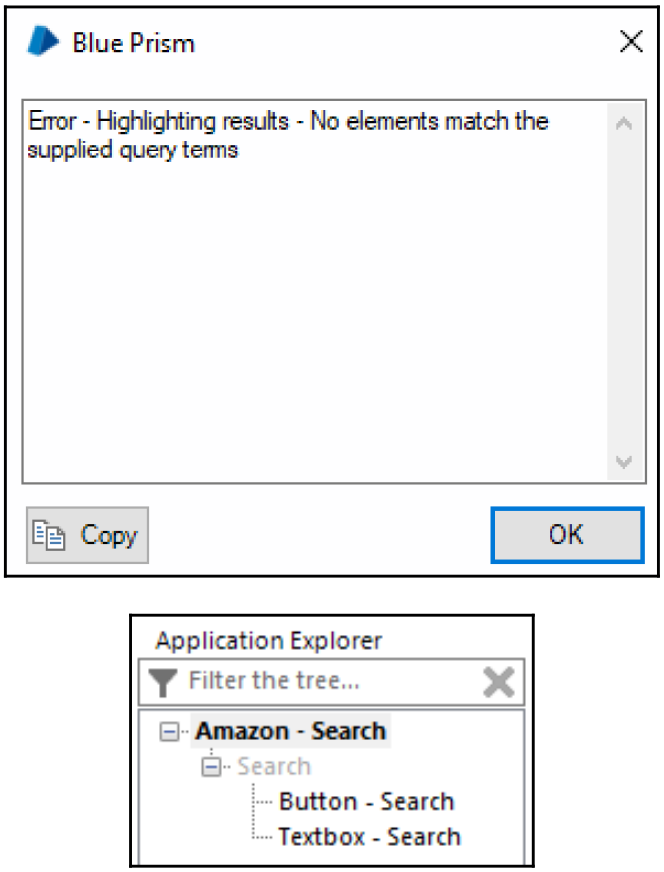
Chapter 6: Spying Elements

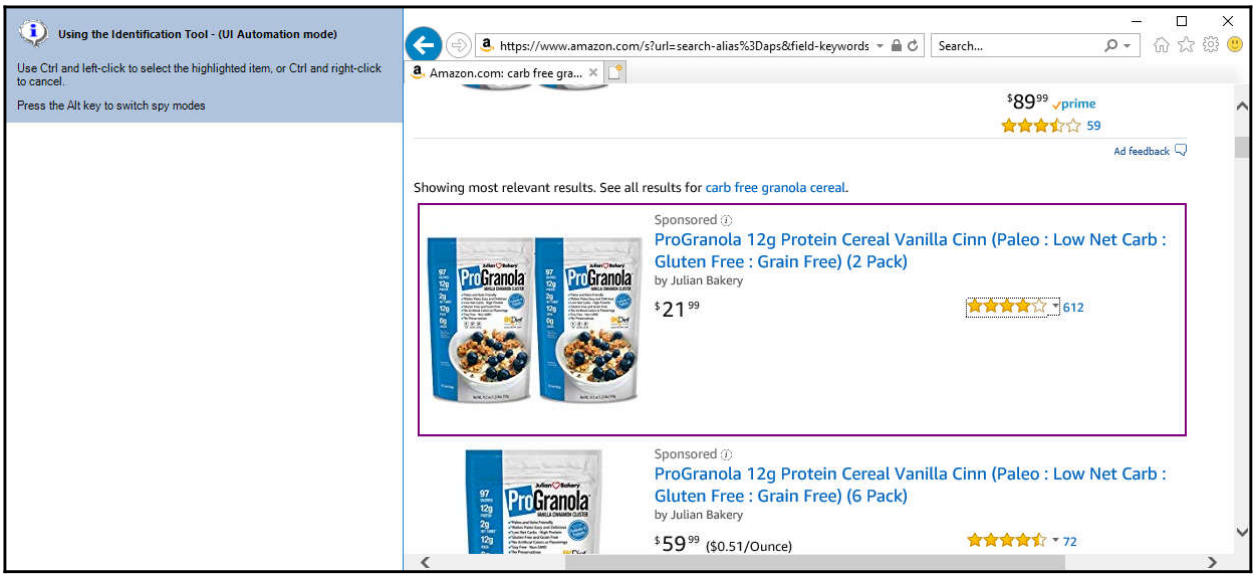


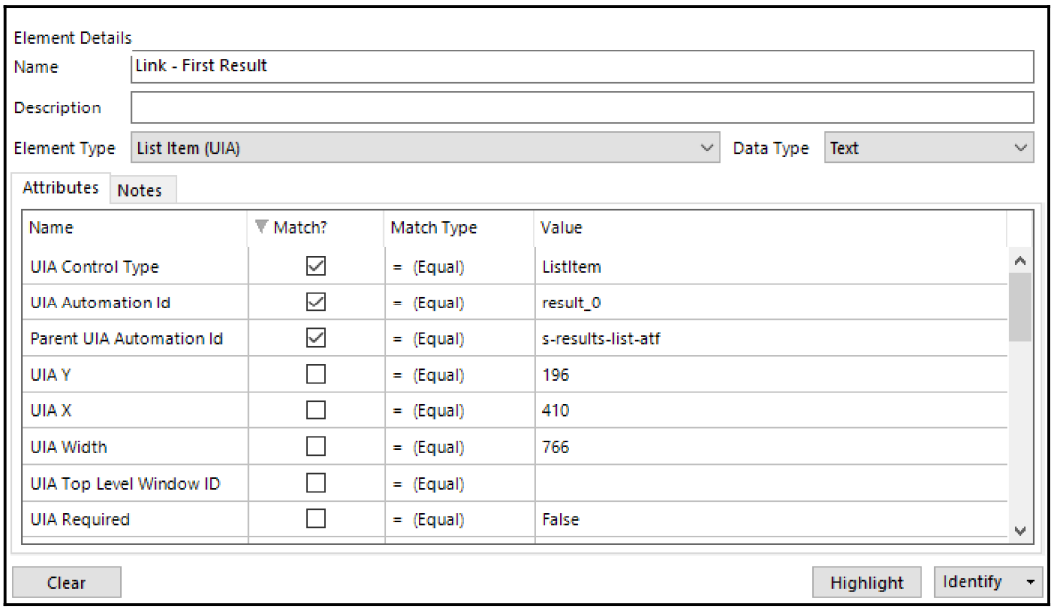

Application Modeller
Define the elements of an application that will be used by Object Studio
Application Model belongs to this Object
Application Explorer
Filter the tree...
Amazon - Search
Textbox - Search
Element Details
Name
Textbox - Search
Description
Element Type
HTML Edit
1
Data Type
Text
2
Attributes
3
Name
Match?
Match Type
Value
Title
= (Equal)
Tag Name
= (Equal)
INPUT
Path
= (Equal)
/HTML/BODY(1)/DIV(1)/HEADER(1)/DIV(1)/DIV(1)/DIV(3)/DIV(1)/FORM(1)/DIV(3)/DIV(1)/INPUT(1)
Parent URL
= (Equal)
https://www.amazon.com/
Link
= (Equal)
Input Type
= (Equal)
text
Input Identifier
= (Equal)
field-keywords
ID
= (Equal)
twotabsearchtextbox
Enabled
= (Equal)
True
Class Name
= (Equal)
nav-input
Y
= (Equal)
0
Add Element
Add Child
Clear
Highlight
Identify
OK
Cancel
Apply

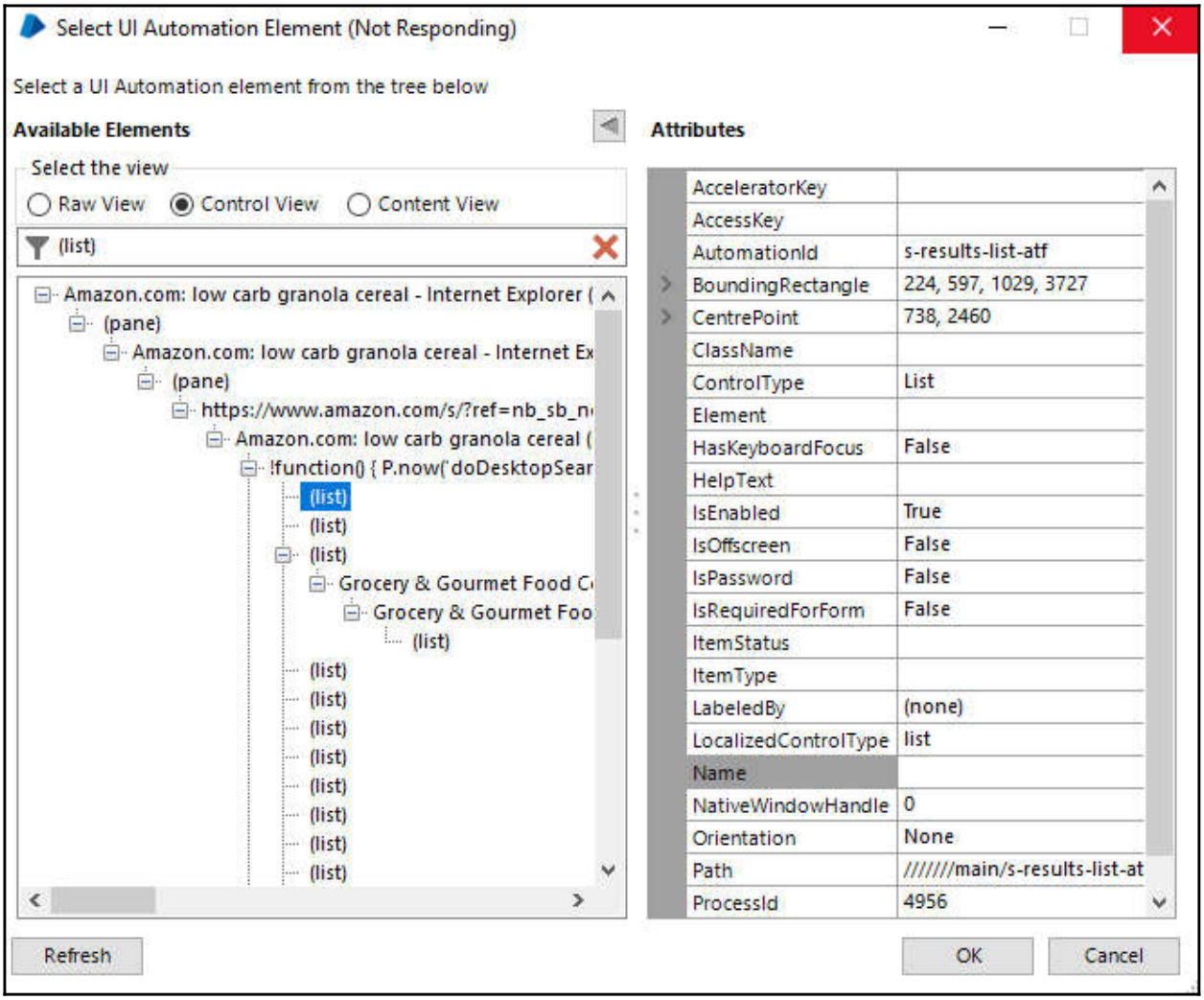
All

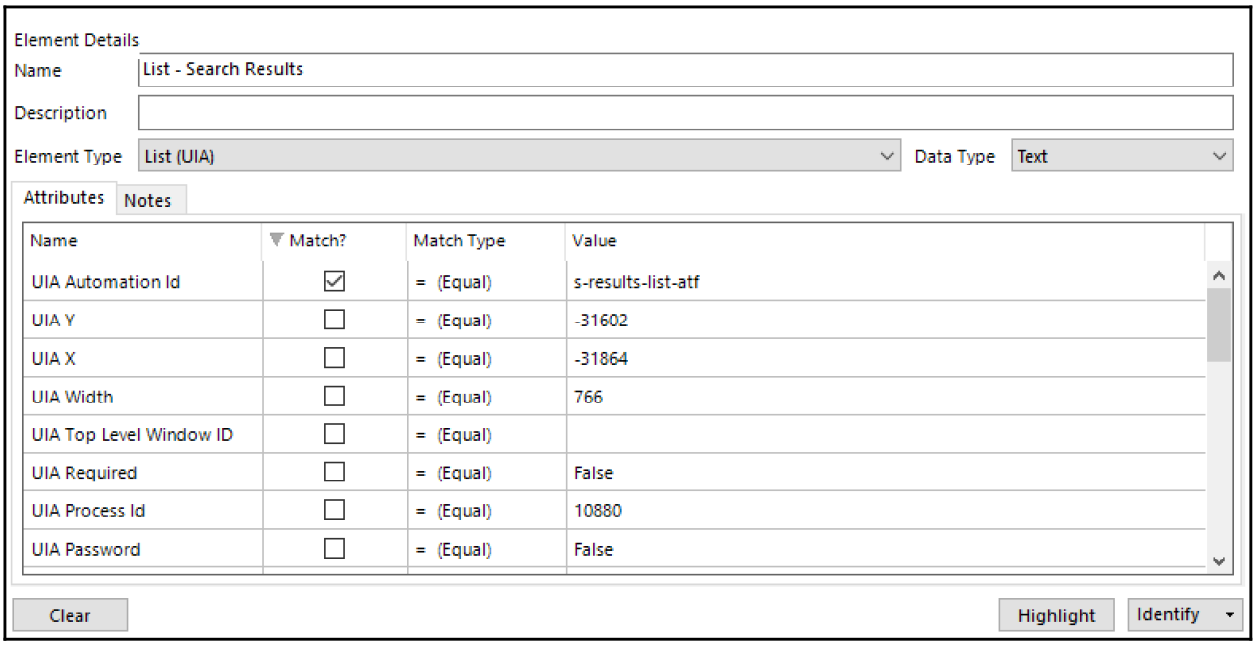

Attributes
Notes
Name
Match?
Match Type
Value
Title
= (Equal)
Tag Name
= (Equal)
INPUT
Path
= (Equal)
/HTML/BODY(1)/DIV(1)/HEADER(1)/DIV(1)/DIV(1)/DIV(3)/DIV(1)/FORM(1)/DIV(2)...
Parent URL
= (Equal)
https://www.amazon.com/
Link
= (Equal)
Input Type
= (Equal)
submit
Input Identifier
= (Equal)
ID
= (Equal)
Enabled
= (Equal)
True
Class Name
= (Equal)
nav-input
Y
= (Equal)
0

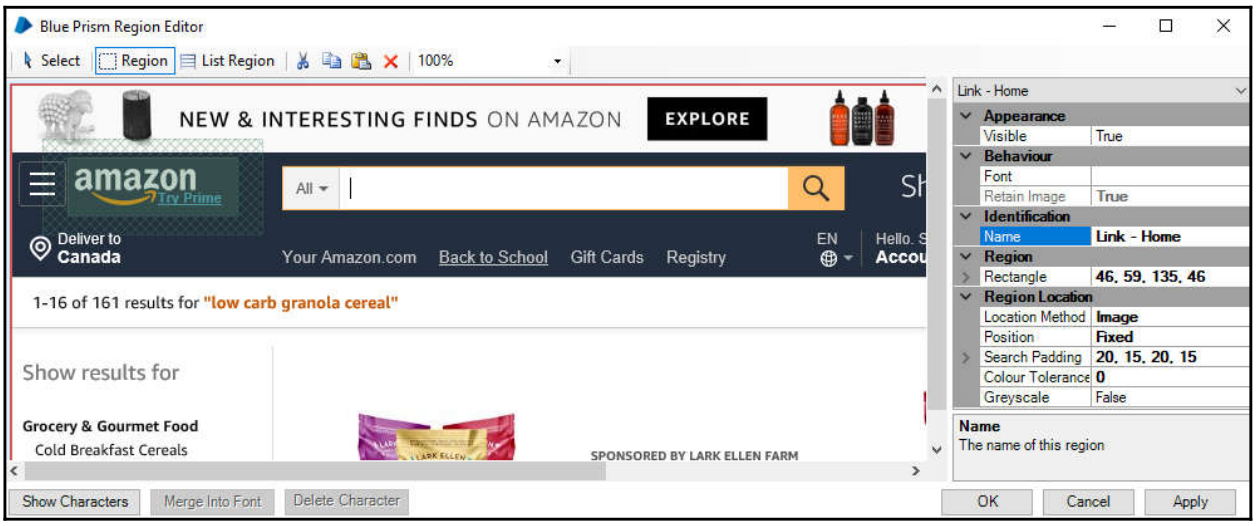

Blue Prism
Error - Highlighting results - No elements match the supplied query terms
Copy
OK
Application Explorer
Filter the tree...
Amazon - Search
Search
Button - Search
Textbox - Search
Using the Identification Tool - (Win32 mode)
Use Ctrl and left-click to select the highlighted item, or Ctrl and right-click to cancel.
Press the Alt key to switch spy modes


Using the Identification Tool - (UI Automation mode)
Use Ctrl and left-click to select the highlighted item, or Ctrl and right-click to cancel.
Press the Alt key to switch spy modes
https://www.amazon.com/s?url=search-alias%3Daps&field-keywords
Search...
Amazon.com: carb free gra...
$89.99 prime
59
Ad feedback
Showing most relevant results. See all results for carb free granola cereal.
Sponsored
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (2 Pack)
by Julian Bakery
$21.99
612
Sponsored
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (6 Pack)
by Julian Bakery
$59.99 ($0.51/Ounce)
72

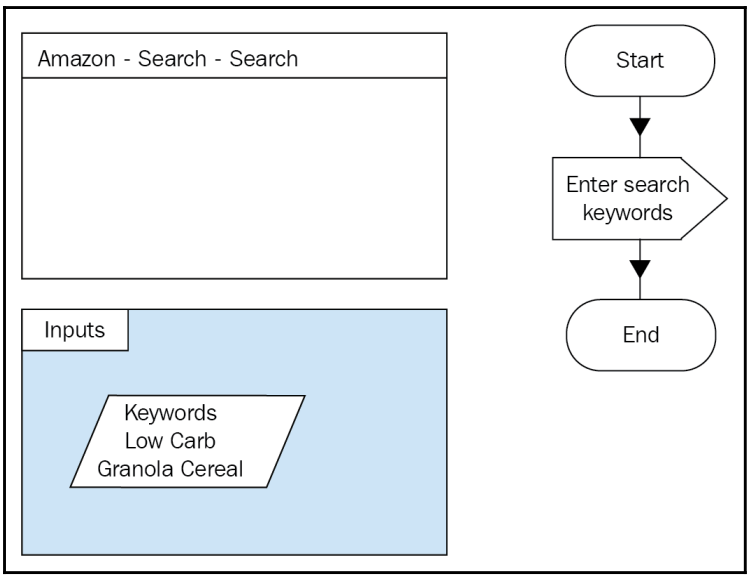

Element Details
Name
Link - First Result
Description
Element Type
List Item (UIA)
Data Type
Text
Attributes
Notes
Name
Match?
Match Type
Value
UIA Control Type
= (Equal)
ListItem
UIA Automation Id
= (Equal)
result_0
Parent UIA Automation Id
= (Equal)
s-results-list-atf
UIA Y
= (Equal)
196
UIA X
= (Equal)
410
UIA Width
= (Equal)
766
UIA Top Level Window ID
= (Equal)
UIA Required
= (Equal)
False
Clear
Highlight
Identify

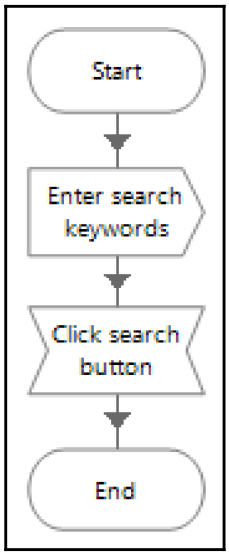

Select UI Automation Element (Not Responding)
Select a UI Automation element from the tree below
Available Elements
Attributes
Select the view
Raw View
Control View
Content View
(list)
Amazon.com: low carb granola cereal - Internet Explorer (
(pane)
Amazon.com: low carb granola cereal - Internet Ex
(pane)
https://www.amazon.com/s/?ref=nb_sb_n
Amazon.com: low carb granola cereal (
!function() { P.now('doDesktopSear
(list)
(list)
(list)
Grocery & Gourmet Food C
Grocery & Gourmet Foo
(list)
(list)
(list)
(list)
(list)
(list)
(list)
(list)
(list)
AcceleratorKey
AccessKey
AutomationId s-results-list-atf
BoundingRectangle 224, 597, 1029, 3727
CentrePoint 738, 2460
ClassName
ControlType List
Element
HasKeyboardFocus False
HelpText
IsEnabled True
IsOffscreen False
IsPassword False
IsRequiredForForm False
ItemStatus
ItemType
LabeledBy (none)
LocalizedControlType list
Name
NativeWindowHandle 0
Orientation None
Path ///////main/s-results-list-at
ProcessId 4956
Refresh
OK
Cancel

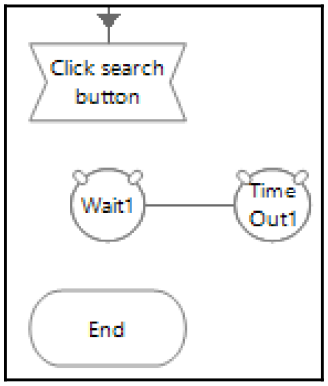

Element Details
Name
List - Search Results
Description
Element Type
List (UIA)
Data Type
Text
Attributes
Notes
Name
Match?
Match Type
Value
UIA Automation Id
= (Equal)
s-results-list-atf
UIA Y
= (Equal)
-31602
UIA X
= (Equal)
-31864
UIA Width
= (Equal)
766
UIA Top Level Window ID
= (Equal)
UIA Required
= (Equal)
False
UIA Process Id
= (Equal)
10880
UIA Password
= (Equal)
False
Clear
Highlight
Identify

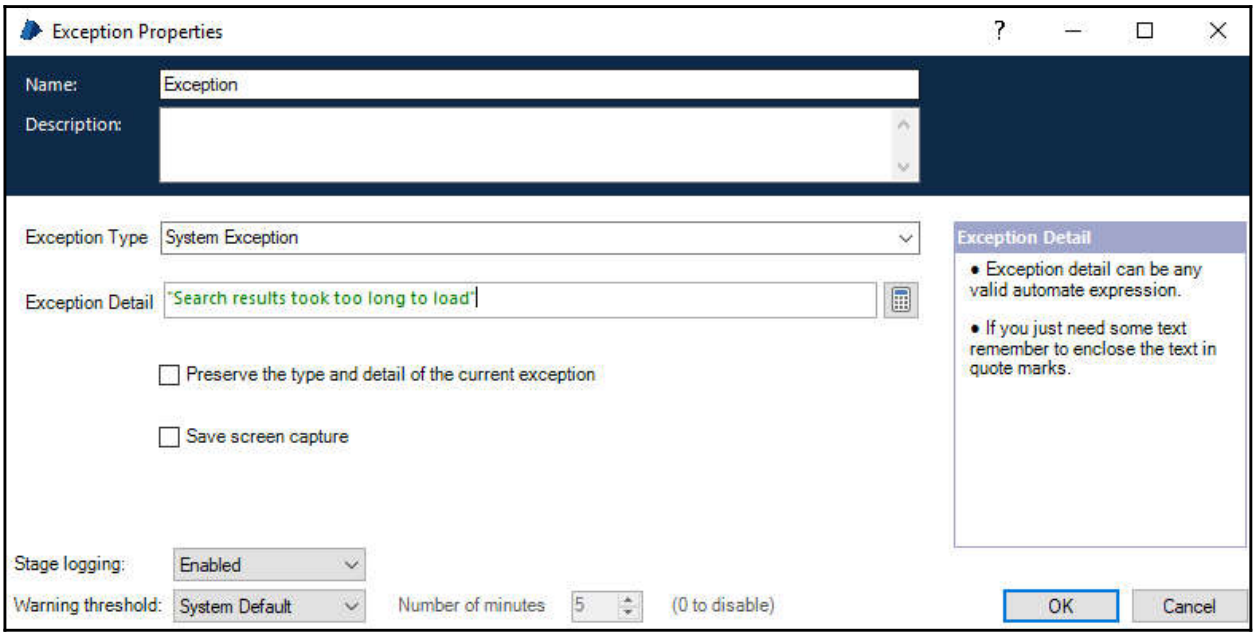

Blue Prism Region Editor
Select
Region
List Region
100%
NEW & INTERESTING FINDS ON AMAZON
EXPLORE
amazon
Try Prime
All
Deliver to
Canada
Your Amazon.com
Back to School
Gift Cards
Registry
EN
1-16 of 161 results for "low carb granola cereal"
Show results for
Grocery & Gourmet Food
Cold Breakfast Cereals
SPONSORED BY LARK ELLEN FARM
Link - Home
Appearance
Visible
True
Behaviour
Font
Retain Image
True
Identification
Name
Link - Home
Region
Rectangle
46, 59, 135, 46
Region Location
Location Method
Image
Position
Fixed
Search Padding
20, 15, 20, 15
Colour Tolerance
0
Greyscale
False
Name
The name of this region
Show Characters
Merge Into Font
Delete Character
OK
Cancel
Apply

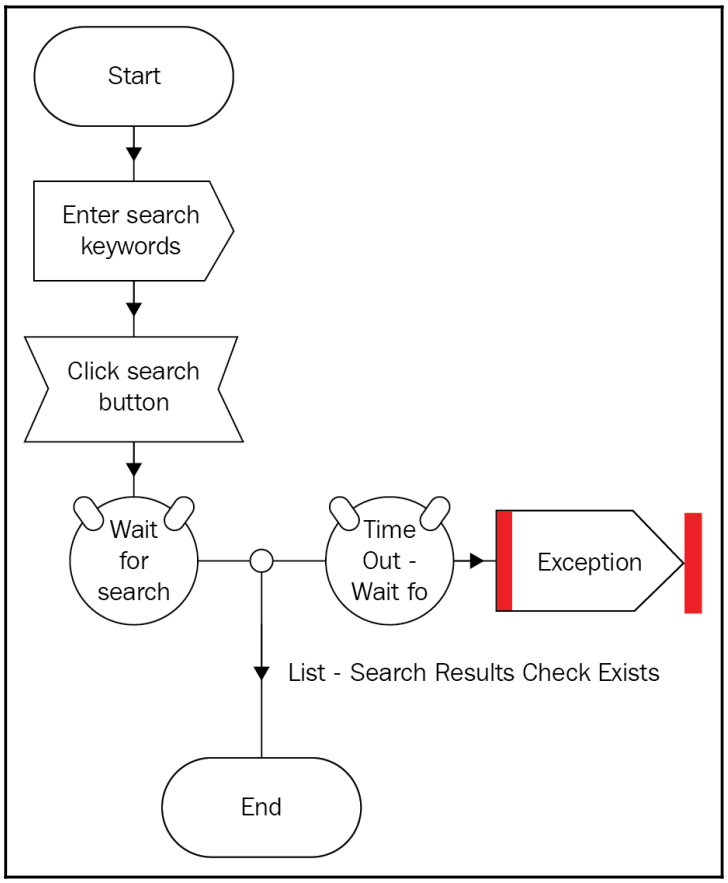
Chapter 7: Write, Wait, and Read

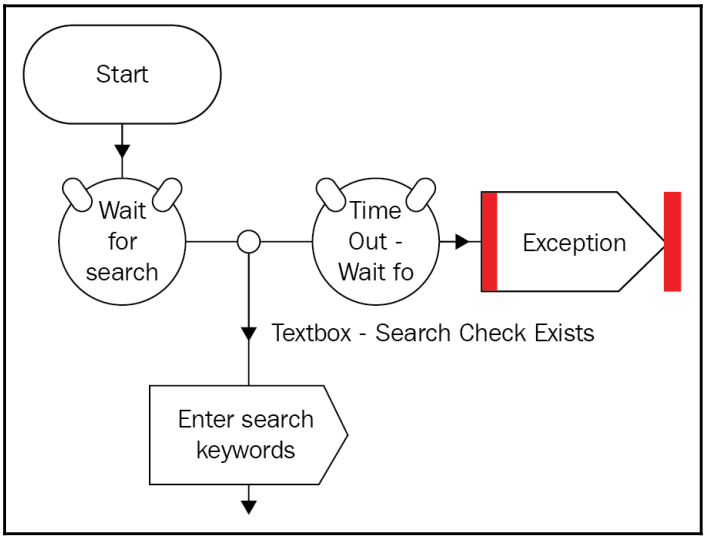


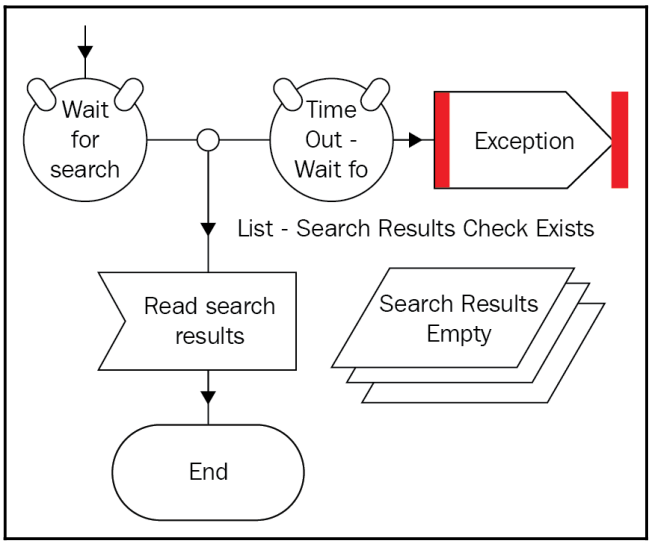


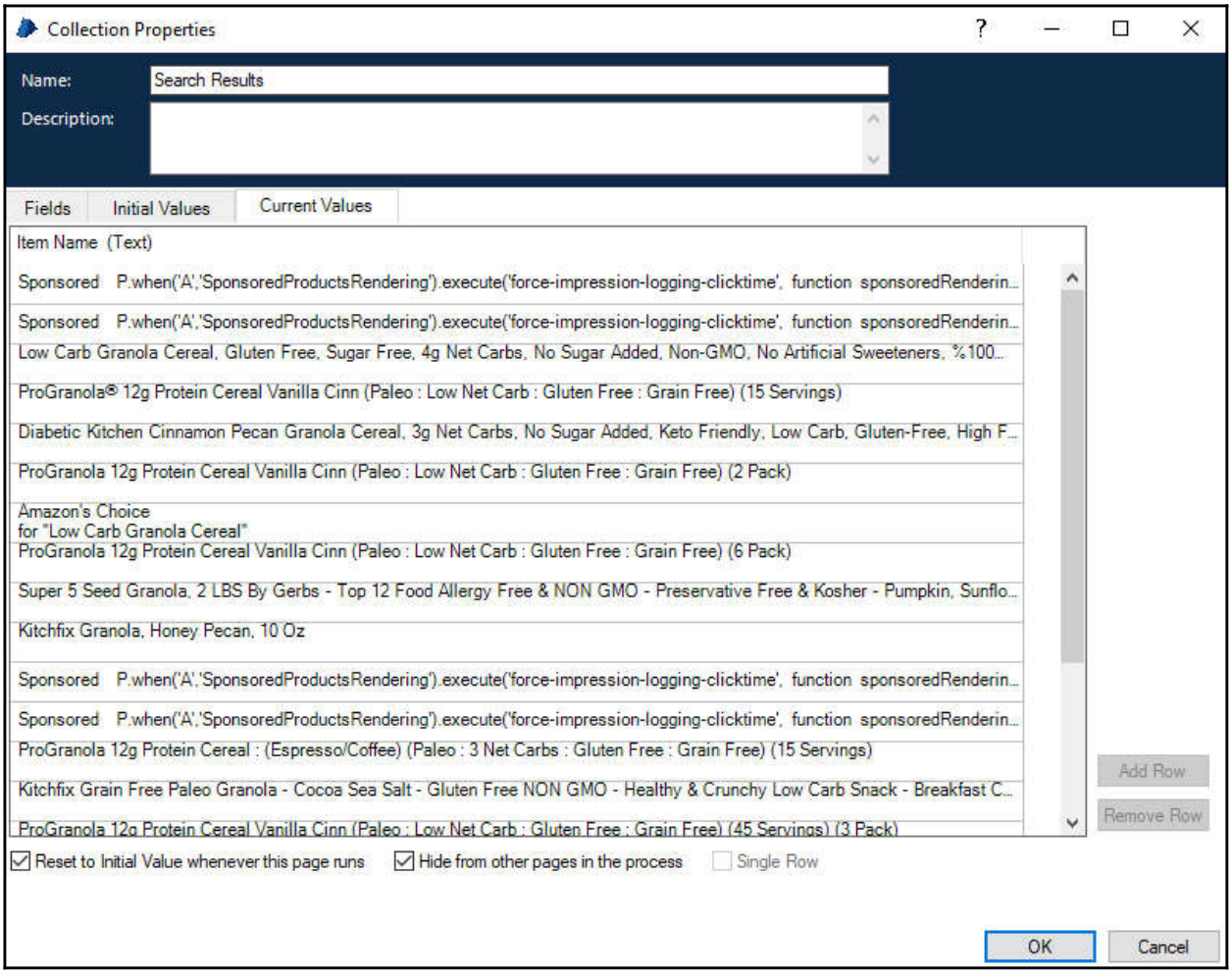

Click search button
Wait1
Time Out1
End

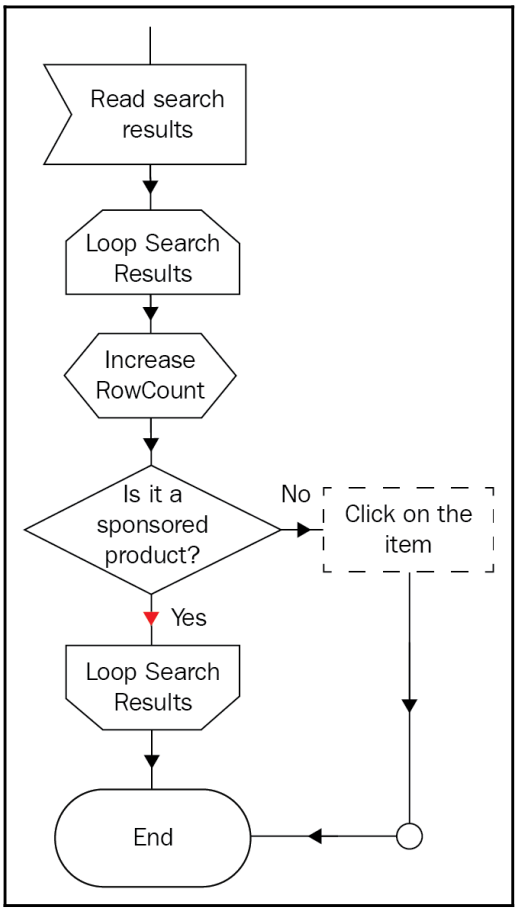

Exception Properties
Name:
Exception
Description:
Exception Type
System Exception
Exception Detail
"Search results took too long to load"
Preserve the type and detail of the current exception
Save screen capture
Exception Detail
• Exception detail can be any valid automate expression.
• If you just need some text remember to enclose the text in quote marks.
Stage logging:
Enabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

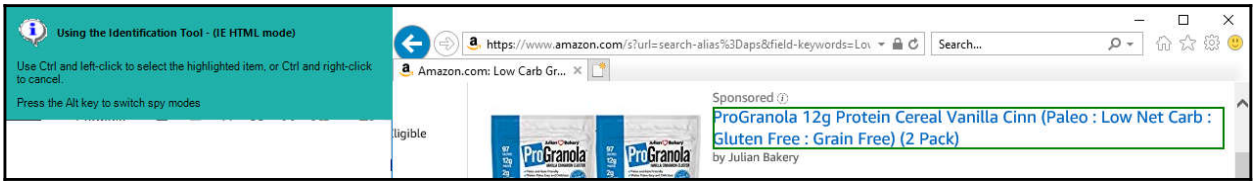

Start
Enter search keywords
Click search button
Wait for search
Time Out - Wait fo
Exception
List - Search Results Check Exists
End

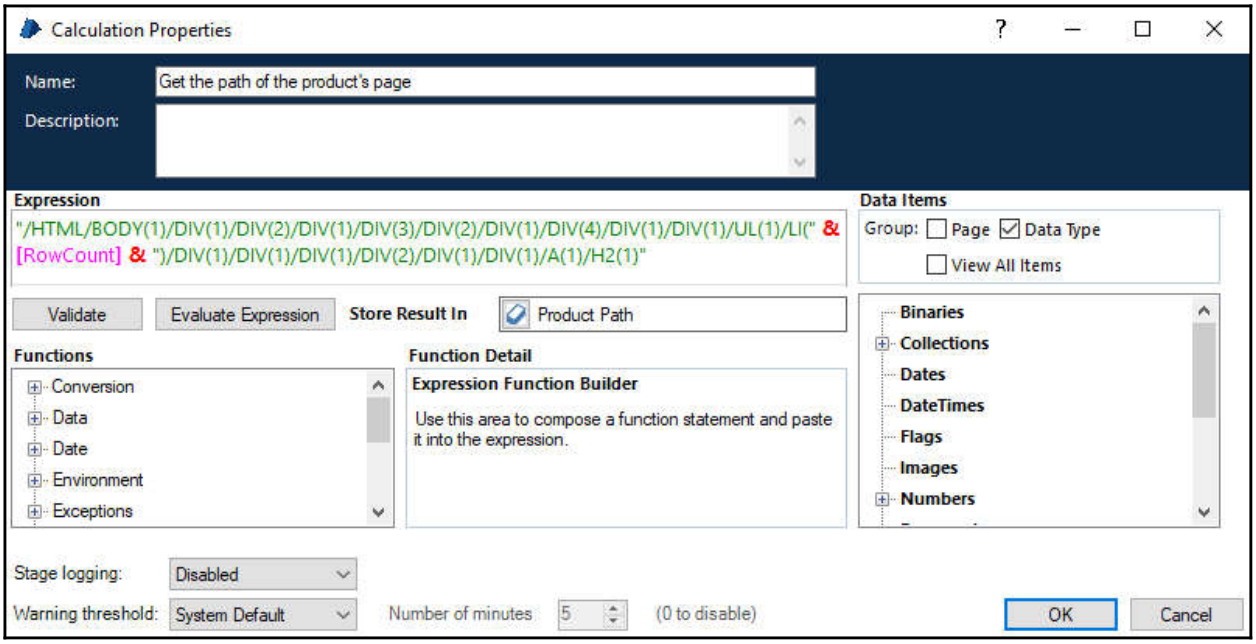

Start
Wait for search
Time Out - Wait fo
Exception
Textbox - Search Check Exists
Enter search keywords

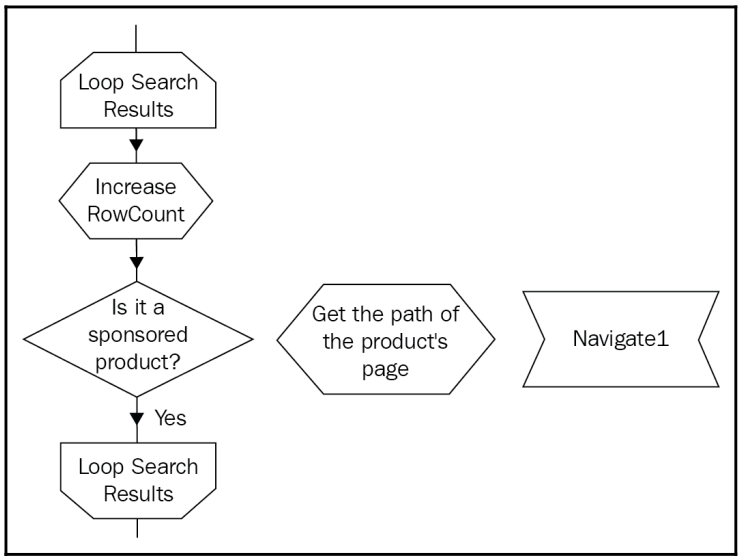

Wait for search
Time Out - Wait fo
Exception
List - Search Results Check Exists
Read search results
Search Results Empty
End

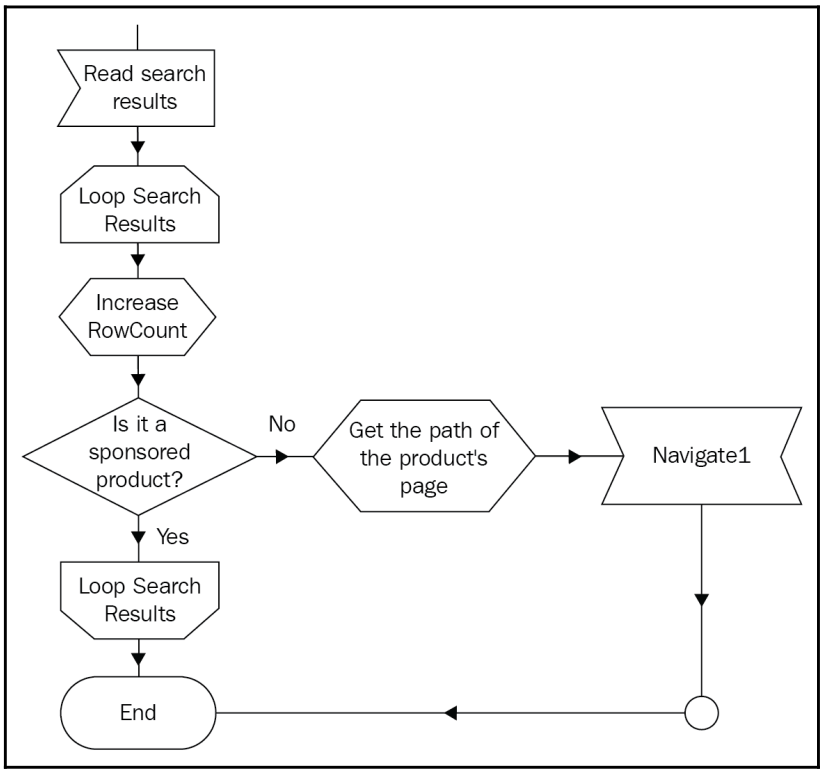

Collection Properties
Name:
Search Results
Description:
Fields
Initial Values
Current Values
Item Name (Text)
Sponsored P.when('A','SponsoredProductsRendering').execute('force-impression-logging-clicktime', function sponsoredRenderin...
Sponsored P.when('A','SponsoredProductsRendering').execute('force-impression-logging-clicktime', function sponsoredRenderin...
Low Carb Granola Cereal, Gluten Free, Sugar Free, 4g Net Carbs, No Sugar Added, Non-GMO, No Artificial Sweeteners, %100...
ProGranola® 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (15 Servings)
Diabetic Kitchen Cinnamon Pecan Granola Cereal, 3g Net Carbs, No Sugar Added, Keto Friendly, Low Carb, Gluten-Free, High F...
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (2 Pack)
Amazon's Choice
for "Low Carb Granola Cereal"
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (6 Pack)
Super 5 Seed Granola, 2 LBS By Gerbs - Top 12 Food Allergy Free & NON GMO - Preservative Free & Kosher - Pumpkin, Sunflo...
Kitchfix Granola, Honey Pecan, 10 Oz
Sponsored P.when('A','SponsoredProductsRendering').execute('force-impression-logging-clicktime', function sponsoredRenderin...
Sponsored P.when('A','SponsoredProductsRendering').execute('force-impression-logging-clicktime', function sponsoredRenderin...
ProGranola 12g Protein Cereal : (Espresso/Coffee) (Paleo : 3 Net Carbs : Gluten Free : Grain Free) (15 Servings)
Kitchfix Grain Free Paleo Granola - Cocoa Sea Salt - Gluten Free NON GMO - Healthy & Crunchy Low Carb Snack - Breakfast C...
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (45 Servings) (3 Pack)
Add Row
Remove Row
Reset to Initial Value whenever this page runs
Hide from other pages in the process
Single Row
OK
Cancel

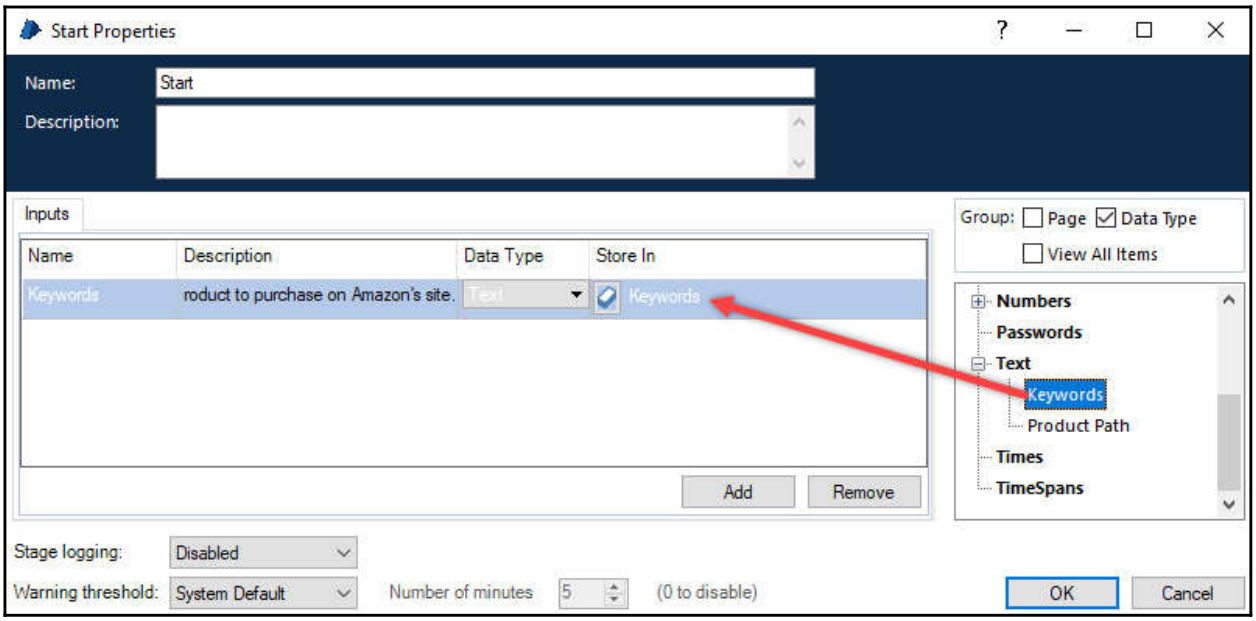

Read search results
Loop Search Results
Increase RowCount
Is it a sponsored product?
No
Click on the item
Yes
Loop Search Results
End

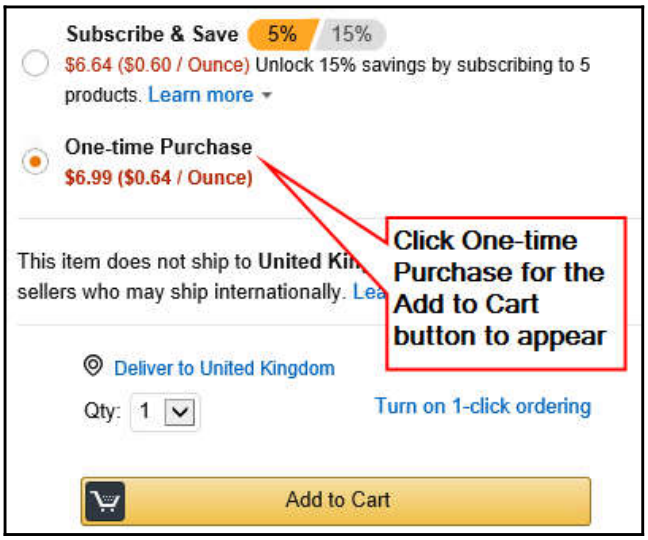

Using the Identification Tool - (IE HTML mode)
Use Ctrl and left-click to select the highlighted item, or Ctrl and right-click to cancel.
Press the Alt key to switch spy modes
Amazon.com: Low Carb Gr...
Search...
Sponsored
ProGranola 12g Protein Cereal Vanilla Cinn (Paleo : Low Net Carb : Gluten Free : Grain Free) (2 Pack)
by Julian Bakery

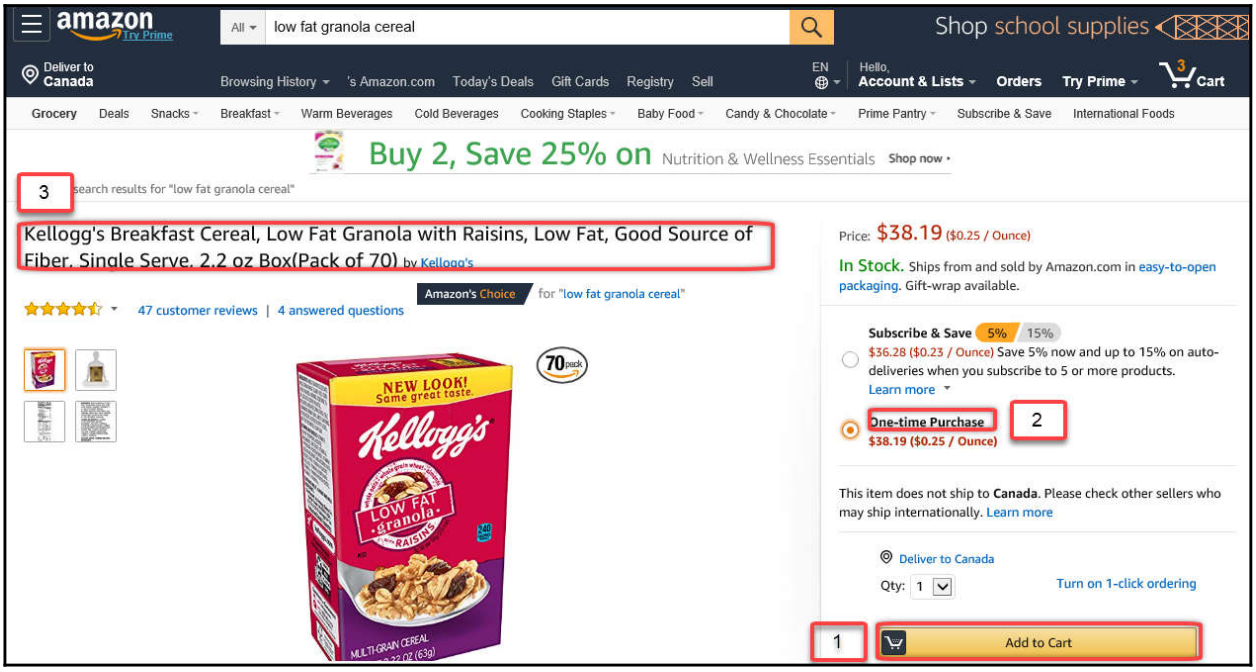

Calculation Properties
Name:
Get the path of the product's page
Description:
Expression
"/HTML/BODY(1)/DIV(1)/DIV(2)/DIV(1)/DIV(3)/DIV(2)/DIV(1)/DIV(4)/DIV(1)/DIV(1)/UL(1)/LI(" & [RowCount] & ")/DIV(1)/DIV(1)/DIV(1)/DIV(2)/DIV(1)/DIV(1)/A(1)/H2(1)"
Data Items
Group: Page Data Type
View All Items
Validate
Evaluate Expression
Store Result In
Product Path
Functions
Conversion
Data
Date
Environment
Exceptions
Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.
Binaries
Collections
Dates
DateTimes
Flags
Images
Numbers
Stage logging:
Disabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel

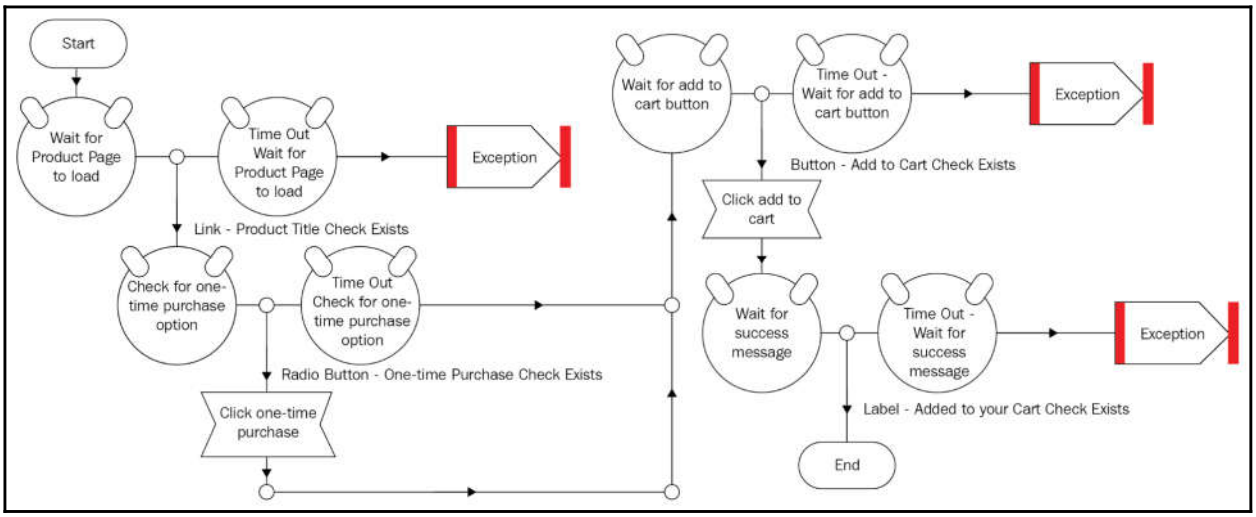

Loop Search Results
Increase RowCount
Is it a sponsored product?
Yes
Loop Search Results
Get the path of the product's page
Navigate1

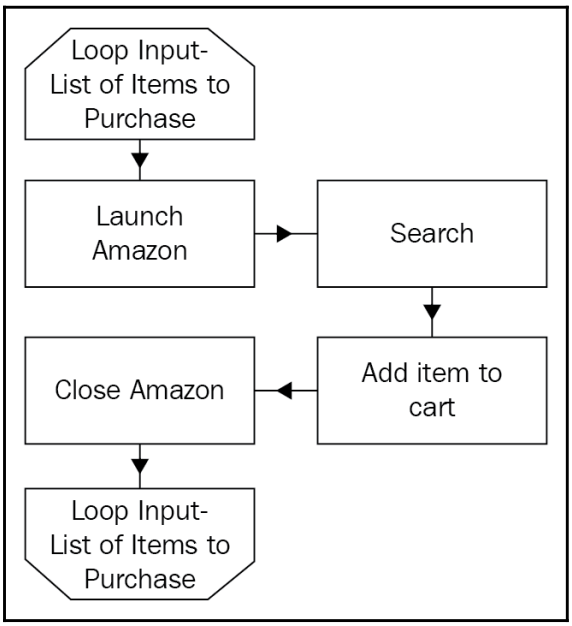

Read search results
Loop Search Results
Increase RowCount
Is it a sponsored product?
No
Get the path of the product's page
Navigate1
Yes
Loop Search Results
End


Start Properties
Name:
Start
Description:
Inputs
Name
Description
Data Type
Store In
Keywords
roduct to purchase on Amazon's site.
Text
Keywords
Add
Remove
Group:
Page
Data Type
View All Items
Numbers
Passwords
Text
Keywords
Product Path
Times
TimeSpans
Stage logging:
Disabled
Warning threshold:
System Default
Number of minutes
5
(0 to disable)
OK
Cancel


Subscribe & Save 5% 15%
$6.64 ($0.60 / Ounce) Unlock 15% savings by subscribing to 5 products. Learn more
One-time Purchase
$6.99 ($0.64 / Ounce)
This item does not ship to United Kin
sellers who may ship internationally. Lea
Click One-time Purchase for the Add to Cart button to appear
Deliver to United Kingdom
Qty: 1
Turn on 1-click ordering
Add to Cart

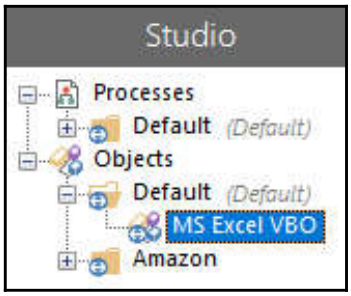

amazon
low fat granola cereal
Shop school supplies
Deliver to Canada
Browsing History
's Amazon.com
Today's Deals
Gift Cards
Registry
Sell
Hello, Account & Lists
Orders
Try Prime
Cart
Grocery
Deals
Snacks
Breakfast
Warm Beverages
Cold Beverages
Cooking Staples
Baby Food
Candy & Chocolate
Prime Pantry
Subscribe & Save
International Foods
Buy 2, Save 25% on Nutrition & Wellness Essentials
Shop now
3
search results for "low fat granola cereal"
Kellogg's Breakfast Cereal, Low Fat Granola with Raisins, Low Fat, Good Source of Fiber, Single Serve, 2.2 oz Box(Pack of 70) by Kellogg's
Amazon's Choice for "low fat granola cereal"
47 customer reviews | 4 answered questions
NEW LOOK! Same great taste.
Kellogg's
LOW FAT granola
RAISINS
MULTI-GRAIN CEREAL
70 pack
Price: $38.19 ($0.25 / Ounce)
In Stock. Ships from and sold by Amazon.com in easy-to-open packaging. Gift-wrap available.
Subscribe & Save 5% 15%
$36.28 ($0.23 / Ounce) Save 5% now and up to 15% on auto-deliveries when you subscribe to 5 or more products.
Learn more
One-time Purchase
$38.19 ($0.25 / Ounce)
2
This item does not ship to Canada. Please check other sellers who may ship internationally. Learn more
Deliver to Canada
Qty: 1
Turn on 1-click ordering
1
Add to Cart

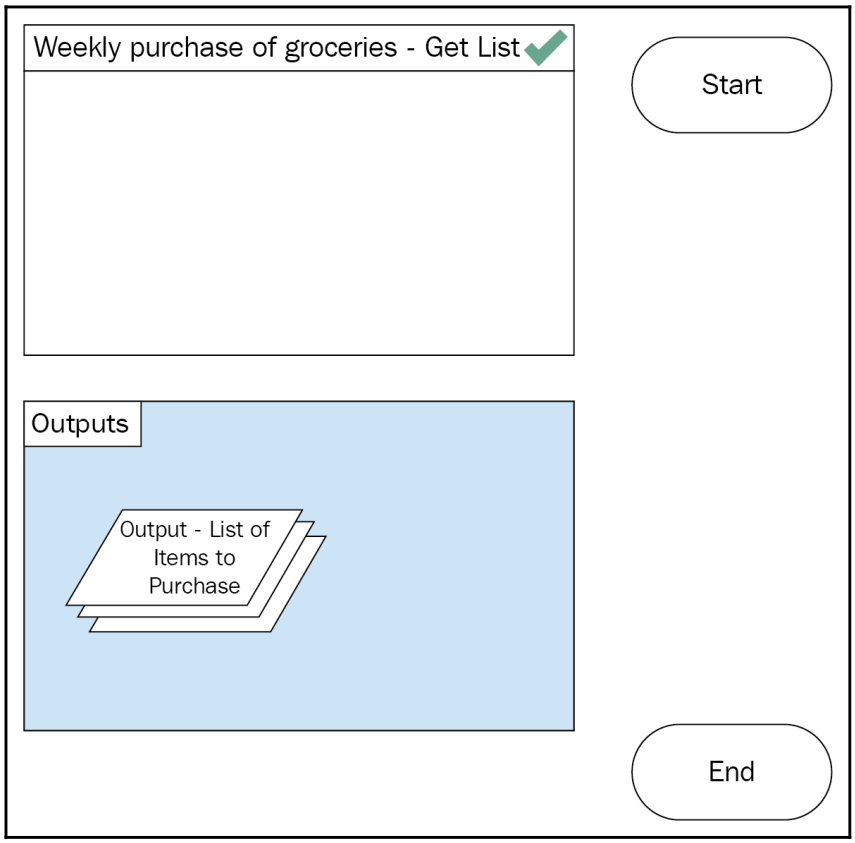

Start
Wait for Product Page to load
Time Out Wait for Product Page to load
Exception
Link - Product Title Check Exists
Check for one-time purchase option
Time Out Check for one-time purchase option
Radio Button - One-time Purchase Check Exists
Click one-time purchase
Wait for add to cart button
Time Out - Wait for add to cart button
Exception
Button - Add to Cart Check Exists
Click add to cart
Wait for success message
Time Out - Wait for success message
Exception
Label - Added to your Cart Check Exists
End

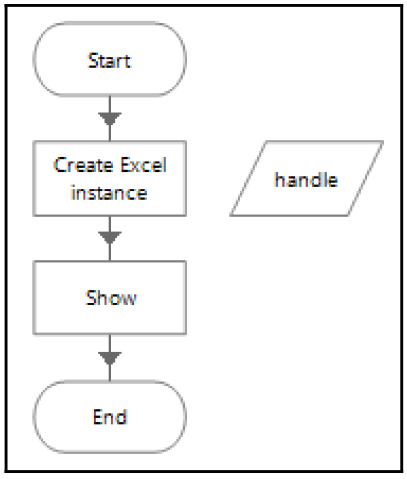

Loop Input- List of Items to Purchase
Launch Amazon
Search
Add item to cart
Close Amazon
Loop Input- List of Items to Purchase

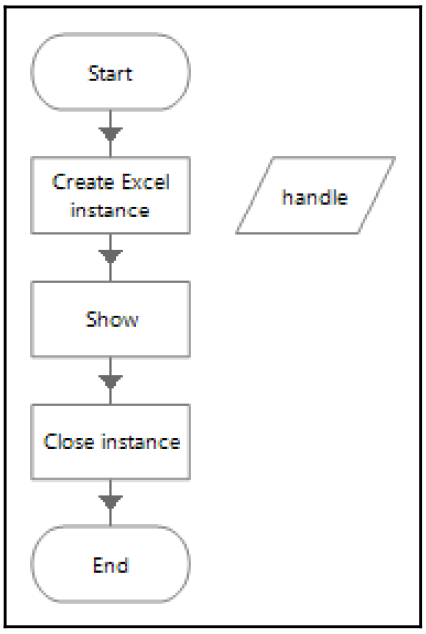
Chapter 8: Working with Excel

	A	B	C
1	**Item Name**	**Status**	**Remarks**
2	Low Fat Granola Cereal		
3	Back to Nature Non-GMO Granola Clusters		



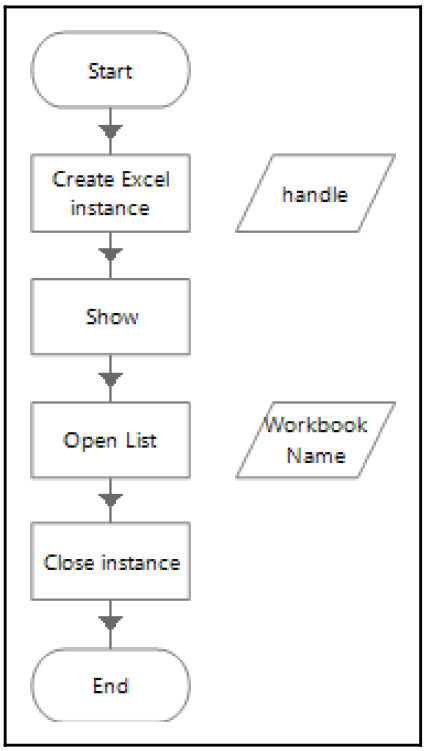

Weekly purchase of groceries - Get List
Start
Outputs
Output - List of Items to Purchase
End

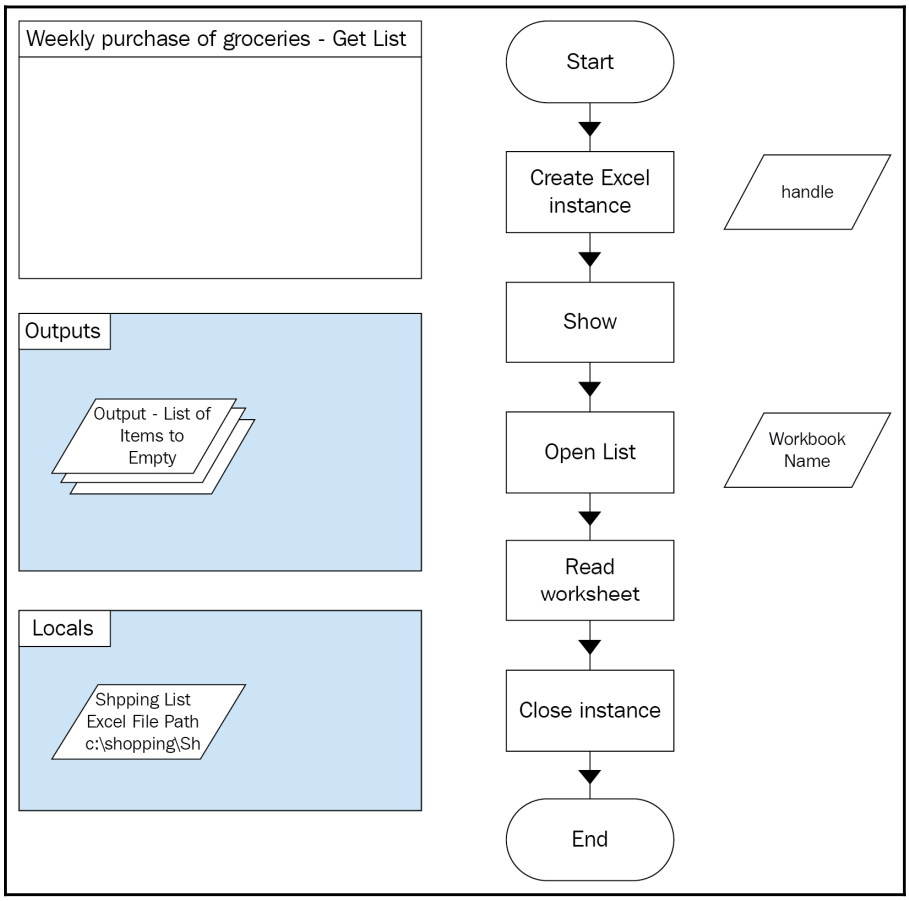

Start
Create Excel instance
handle
Show
End



Inputs Outputs Code

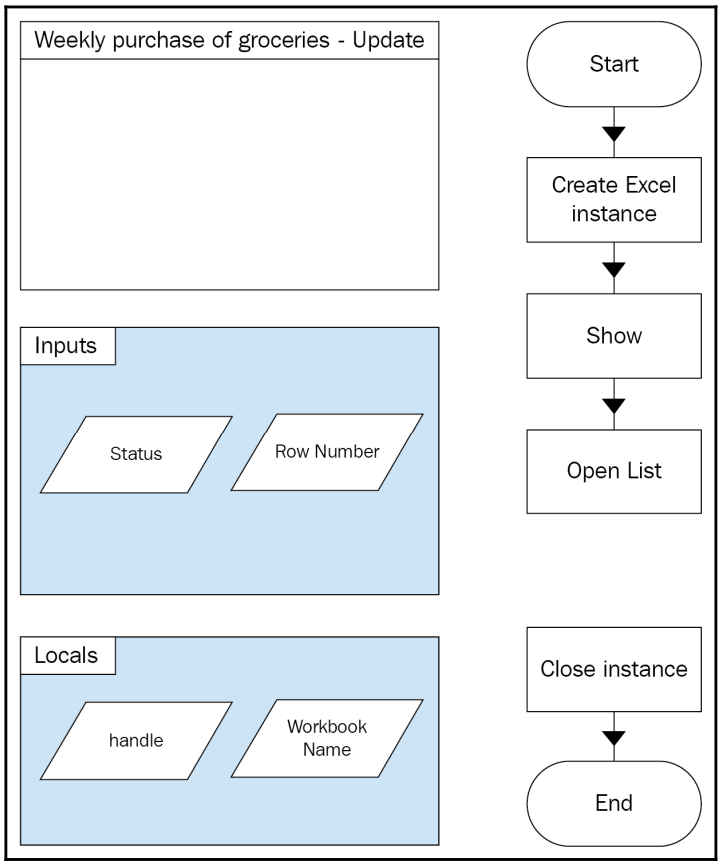
```
1
2  Dim excel as Object = CreateObject("Excel.Application")
3
4  ' Create a GUID with which we can kill the instance later
5  ' if we have to play hardball to get rid of it.
6  excel.Caption = System.Guid.NewGuid().ToString().ToUpper()
7
8  handle = GetHandle(excel)
```

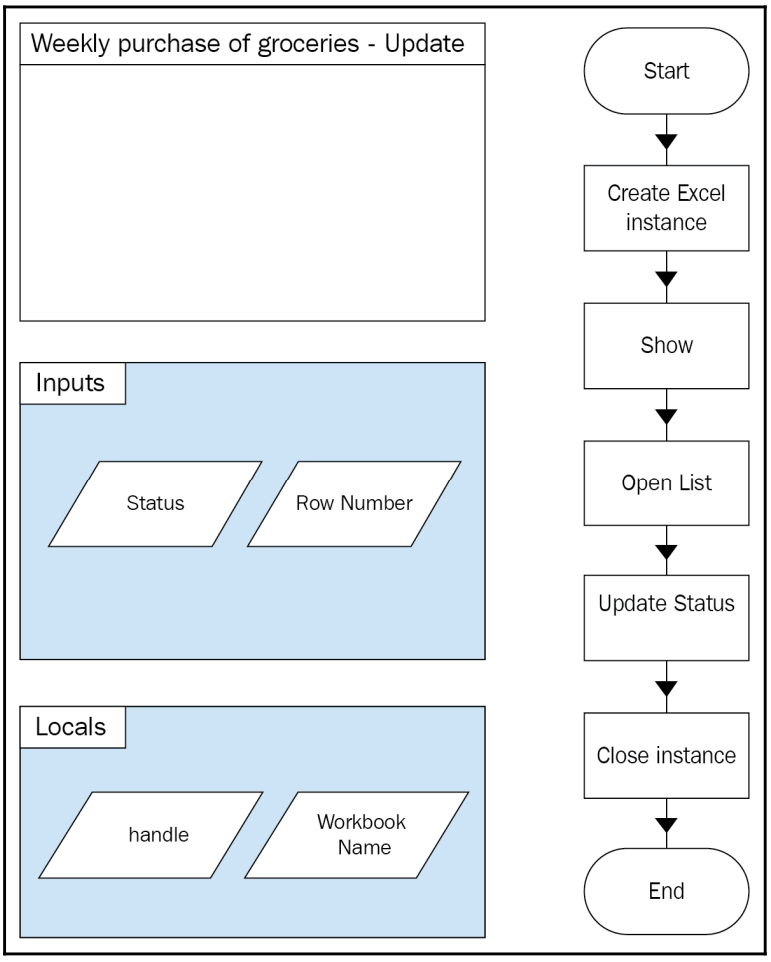

Start
Create Excel instance
handle
Show
Open List
Workbook Name
Close instance
End

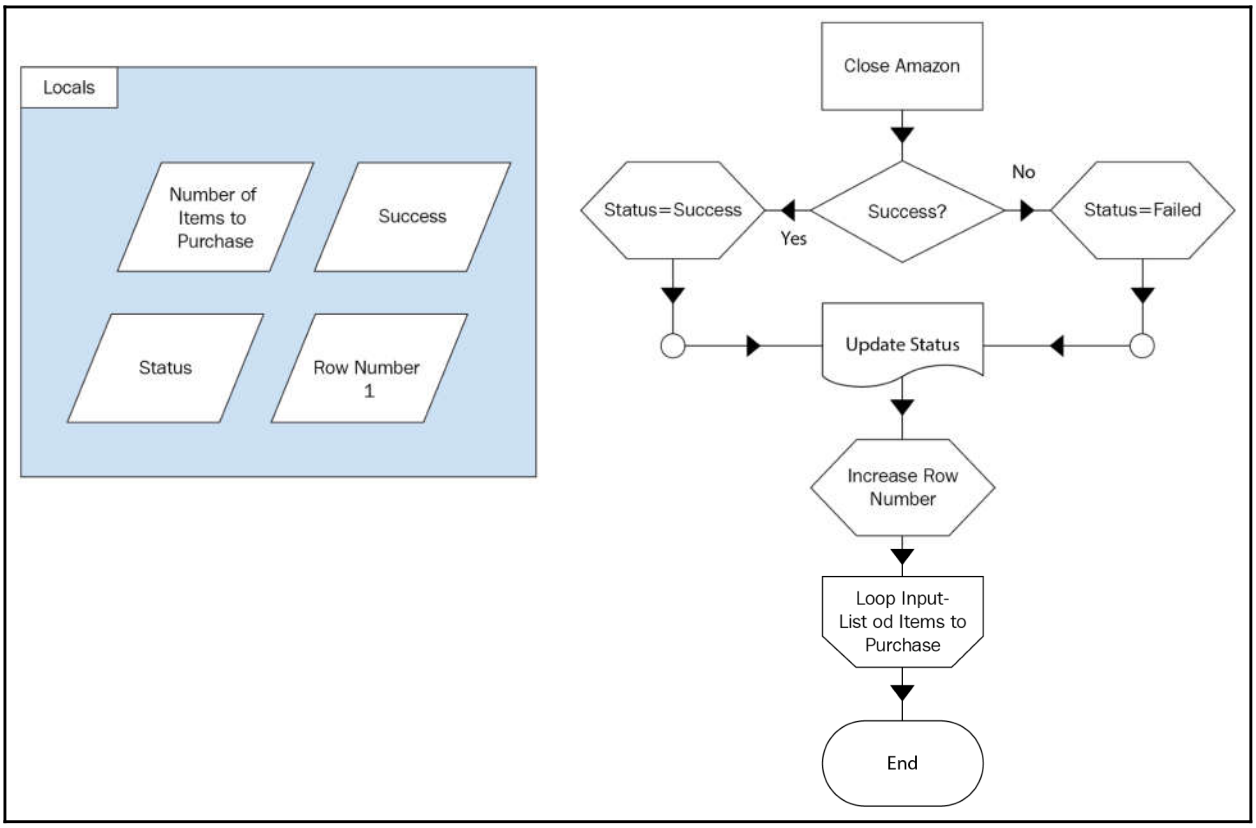


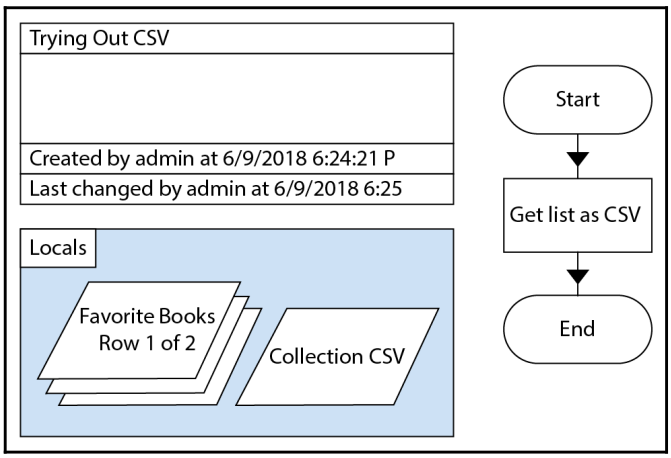
Fields | Initial Values | Current Values

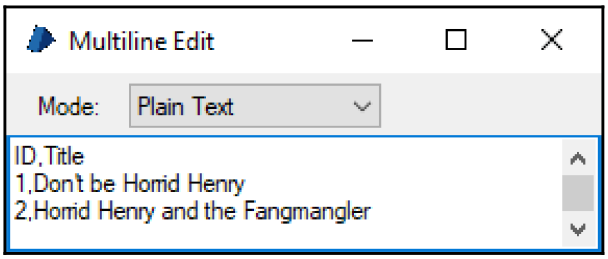
Item Name (Text)	Status (Text)	Remarks (Text)
Low Fat Granola Cereal		
Back to Nature Non-GMO Granola Clusters		

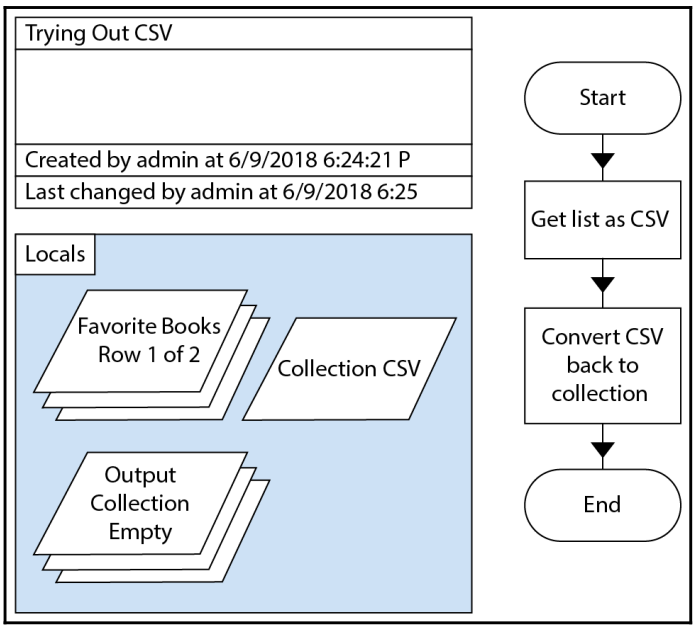

Weekly purchase of groceries - Update
Inputs
Status
Row Number
Locals
handle
Workbook Name
Start
Create Excel instance
Show
Open List
Close instance
End

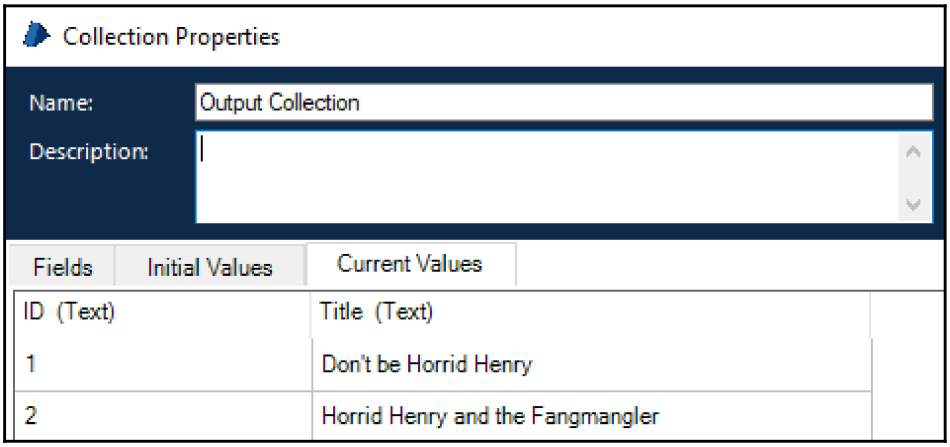

Weekly purchase of groceries - Update
Inputs
Status
Row Number
Locals
handle
Workbook Name
Start
Create Excel instance
Show
Open List
Update Status
Close instance
End

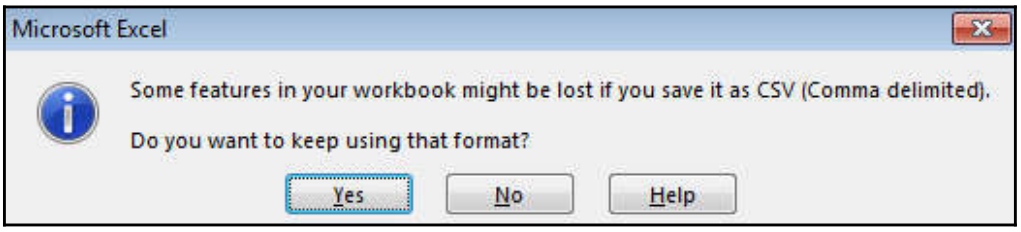

Locals
Number of Items to Purchase
Success
Status
Row Number 1
Close Amazon
Success?
No
Yes
Status=Success
Status=Failed
Update Status
Increase Row Number
Loop Input- List od Items to Purchase
End


Trying Out CSV
Created by admin at 6/9/2018 6:24:21 P
Last changed by admin at 6/9/2018 6:25
Locals
Favorite Books Row 1 of 2
Collection CSV
Start
Get list as CSV
End

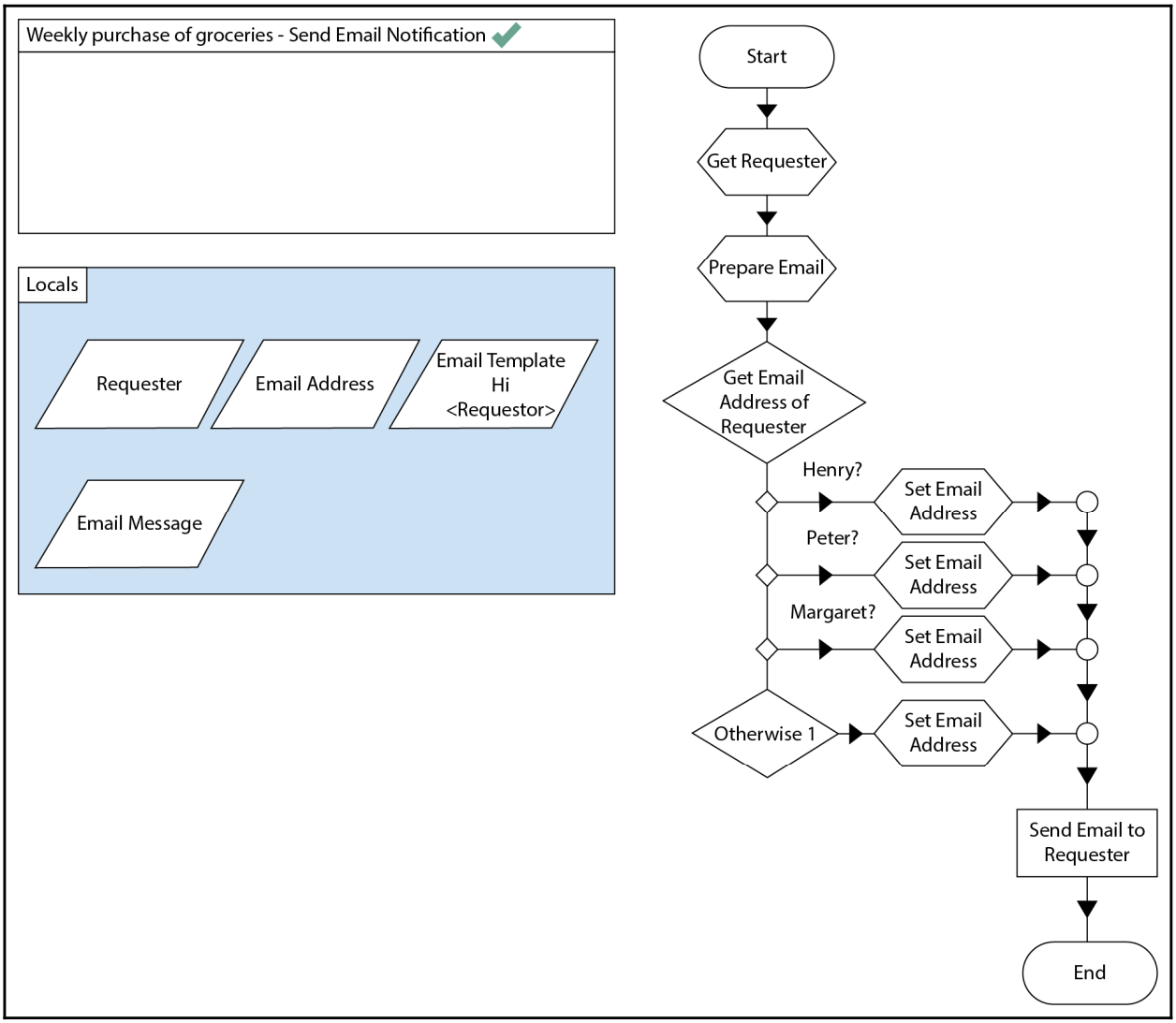

Multiline Edit
Mode:
Plain Text
ID,Title
1,Don't be Horrid Henry
2,Horrid Henry and the Fangmangler

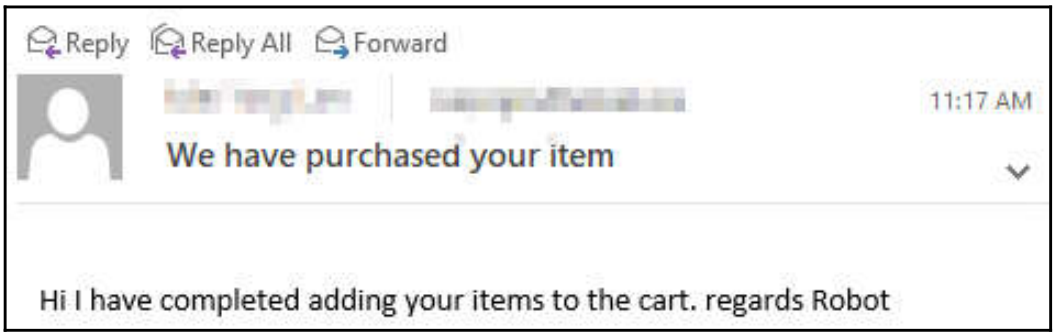

Trying Out CSV
Created by admin at 6/9/2018 6:24:21 P
Last changed by admin at 6/9/2018 6:25
Locals
Favorite Books
Row 1 of 2
Collection CSV
Output
Collection
Empty
Start
Get list as CSV
Convert CSV
back to
collection
End

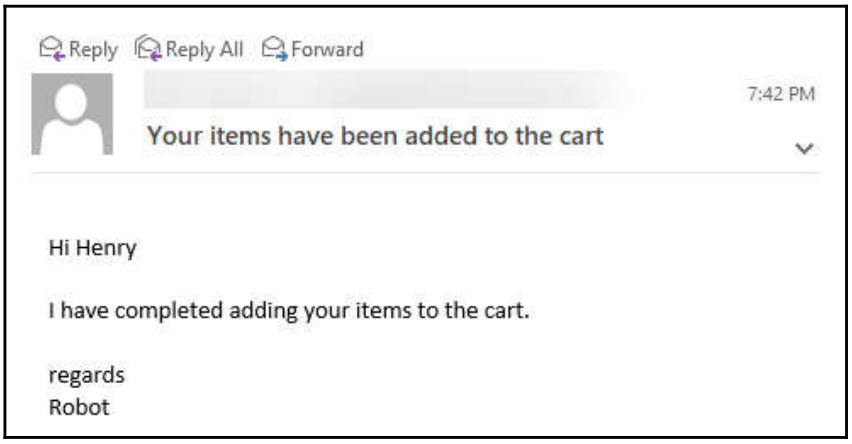

Collection Properties
Name:
Output Collection
Description:
Fields
Initial Values
Current Values
ID (Text)
Title (Text)
1
Don't be Horrid Henry
2
Horrid Henry and the Fangmangler

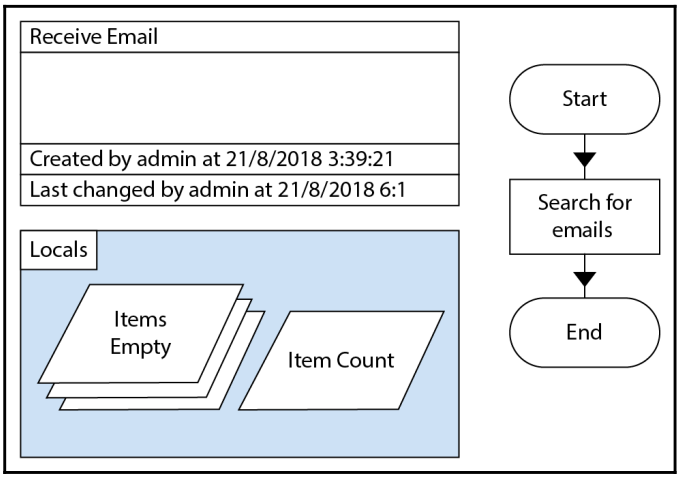

Microsoft Excel
Some features in your workbook might be lost if you save it as CSV (Comma delimited).
Do you want to keep using that format?
Yes
No
Help

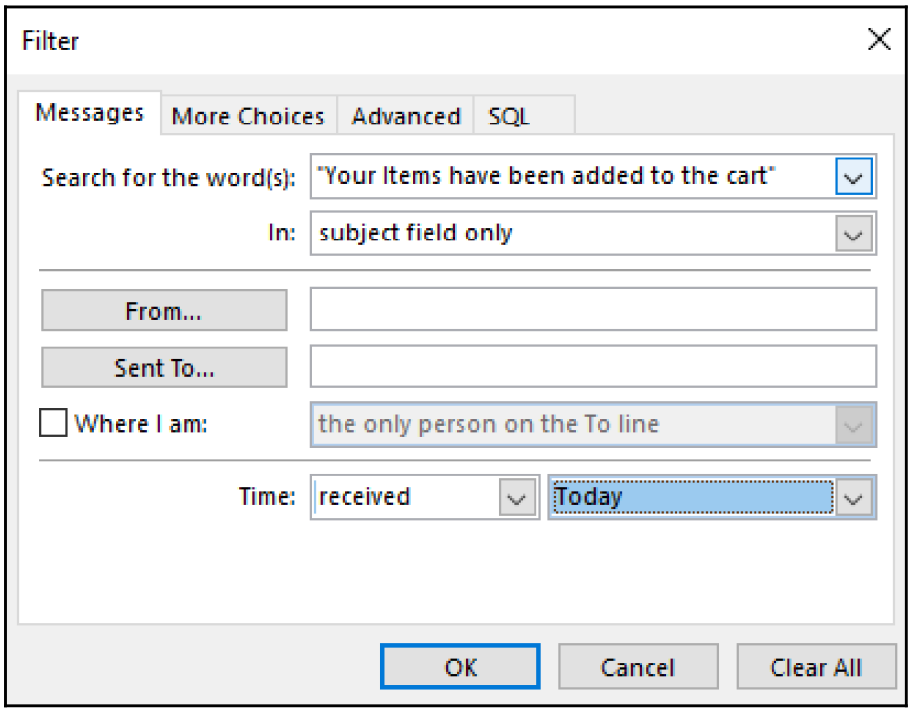
Chapter 9: Sending and Receiving Emails



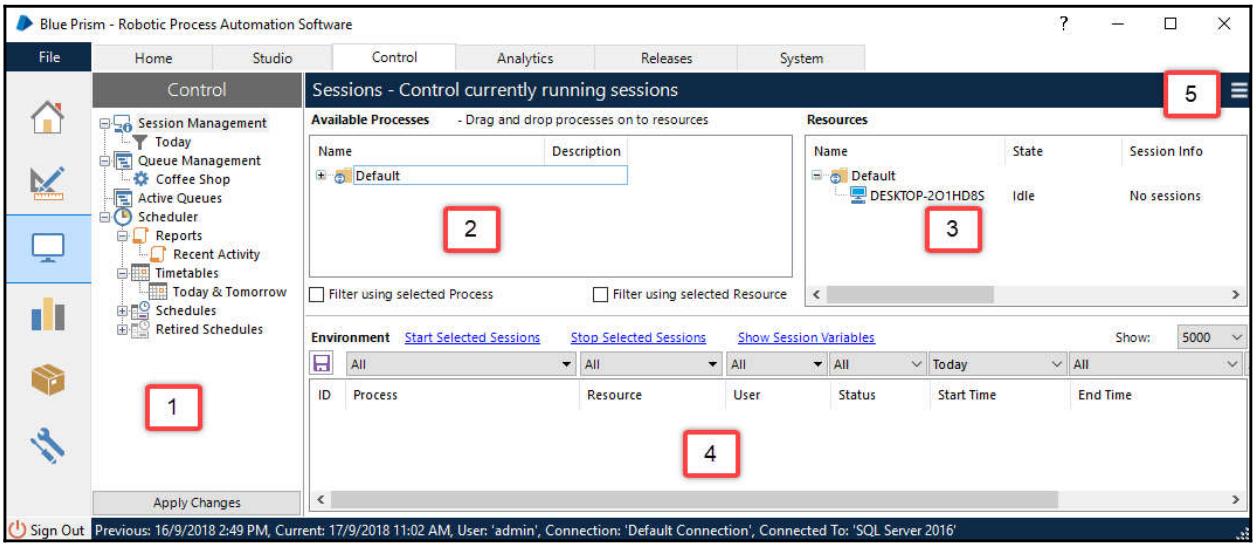

Reply
Reply All
Forward
11:17 AM
We have purchased your item
Hi I have completed adding your items to the cart. regards Robot

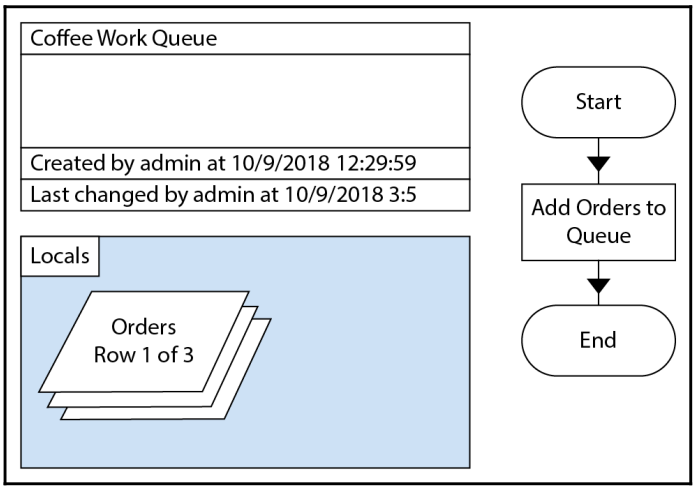

Reply
Reply All
Forward
7:42 PM
Your items have been added to the cart
Hi Henry
I have completed adding your items to the cart.
regards
Robot

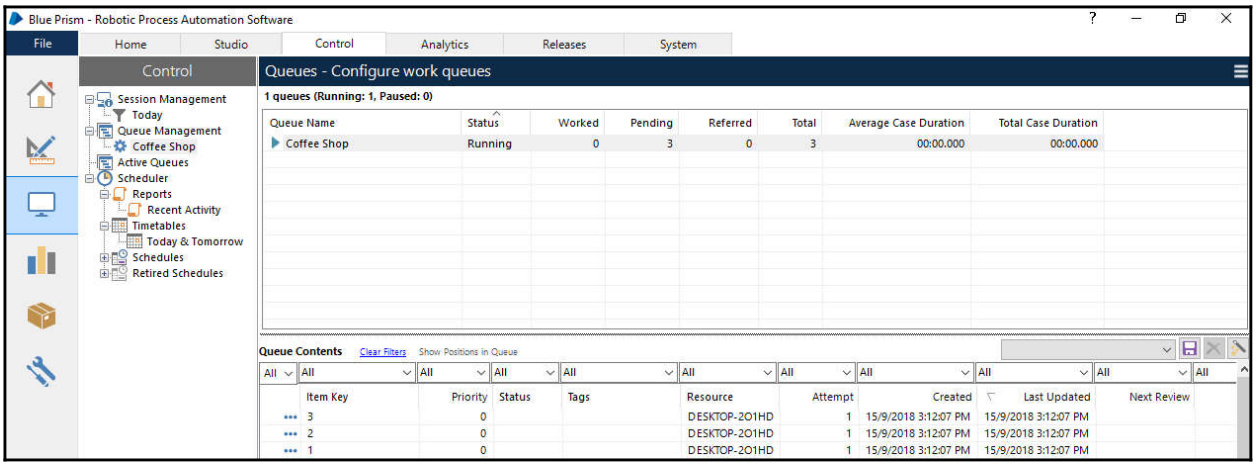

Receive Email
Created by admin at 21/8/2018 3:39:21
Last changed by admin at 21/8/2018 6:1
Locals
Items
Empty
Item Count
Start
Search for emails
End

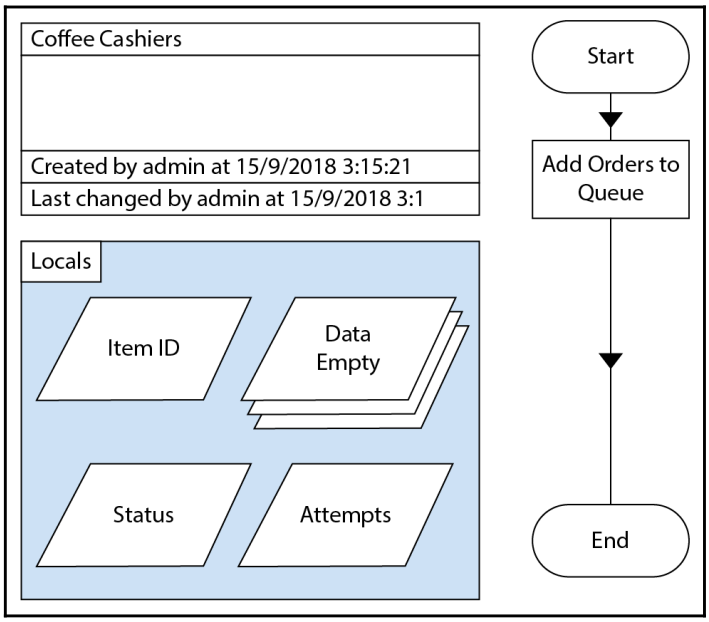

Filter
Messages
More Choices
Advanced
SQL
Search for the word(s):
"Your Items have been added to the cart"
In:
subject field only
From...
Sent To...
Where I am:
the only person on the To line
Time:
received
Today
OK
Cancel
Clear All

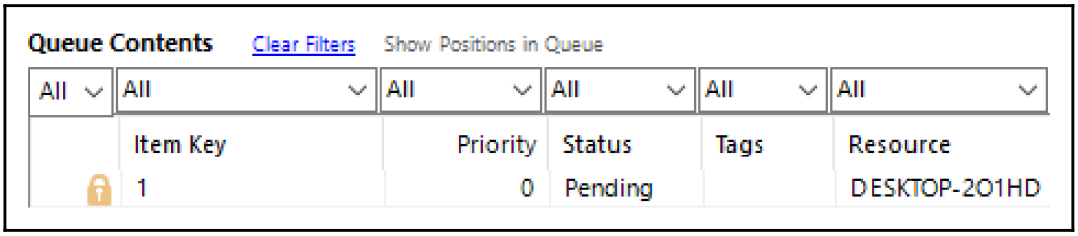
Chapter 10: Control Room and Work Queues

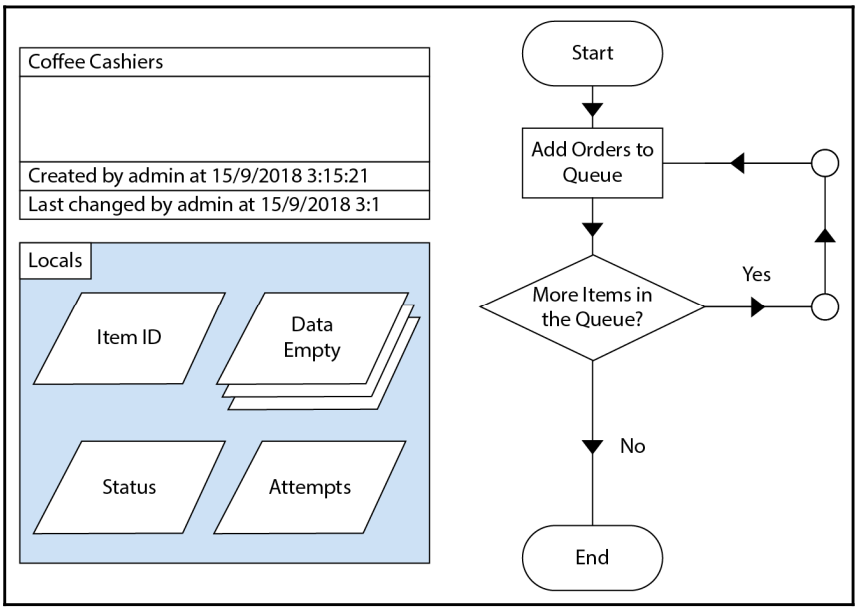




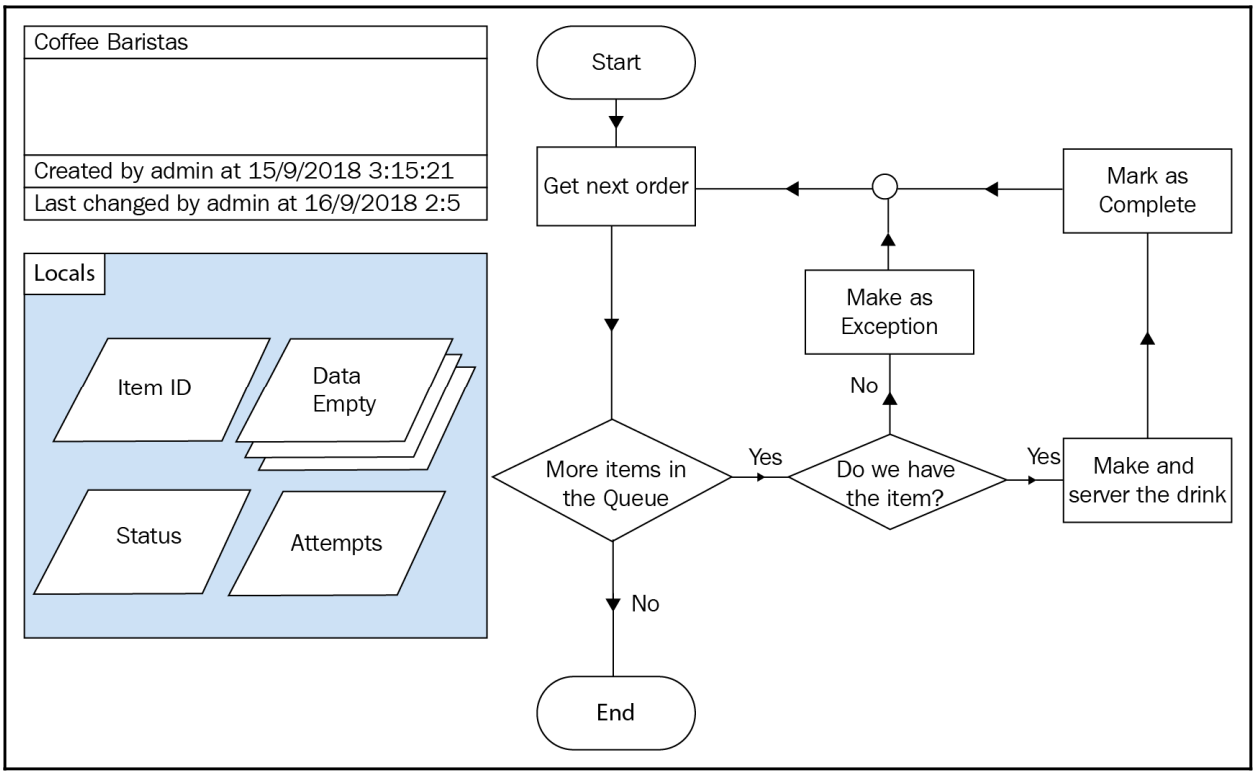

Blue Prism - Robotic Process Automation Software
File
Home
Studio
Control
Analytics
Releases
System
Control
Session Management
Today
Queue Management
Coffee Shop
Active Queues
Scheduler
Reports
Recent Activity
Timetables
Today & Tomorrow
Schedules
Retired Schedules
Queues - Configure work queues
1 queues (Running: 1, Paused: 0)
Queue Name
Status
Worked
Pending
Referred
Total
Average Case Duration
Total Case Duration
Coffee Shop
Running
0
3
0
3
00:00.000
00:00.000
Queue Contents
Clear Filters
Show Positions in Queue
Item Key
Priority
Status
Tags
Resource
Attempt
Created
Last Updated
Next Review
3
0
DESKTOP-2O1HD
1
15/9/2018 3:12:07 PM
15/9/2018 3:12:07 PM
2
0
DESKTOP-2O1HD
1
15/9/2018 3:12:07 PM
15/9/2018 3:12:07 PM
1
0
DESKTOP-2O1HD
1
15/9/2018 3:12:07 PM
15/9/2018 3:12:07 PM

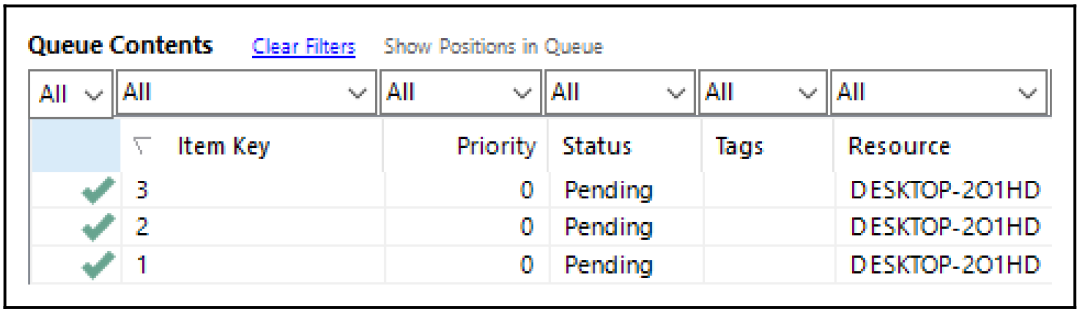

Coffee Cashiers
Created by admin at 15/9/2018 3:15:21
Last changed by admin at 15/9/2018 3:1
Locals
Item ID
Data
Empty
Status
Attempts
Start
Add Orders to Queue
End

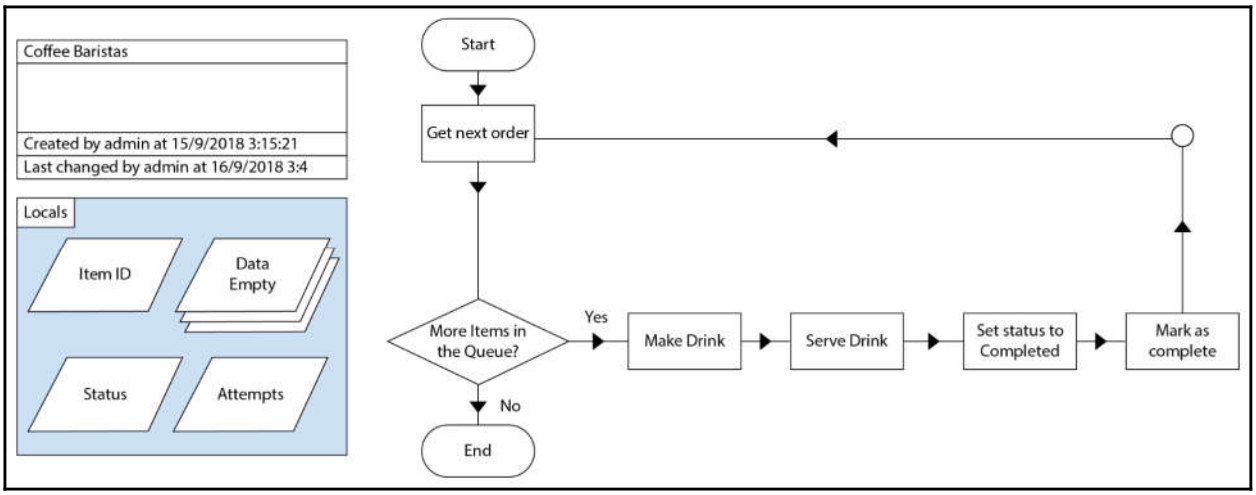

Queue Contents
Clear Filters
Show Positions in Queue
All
Item Key
Priority
Status
Tags
Resource
1
0
Pending
DESKTOP-2O1HD

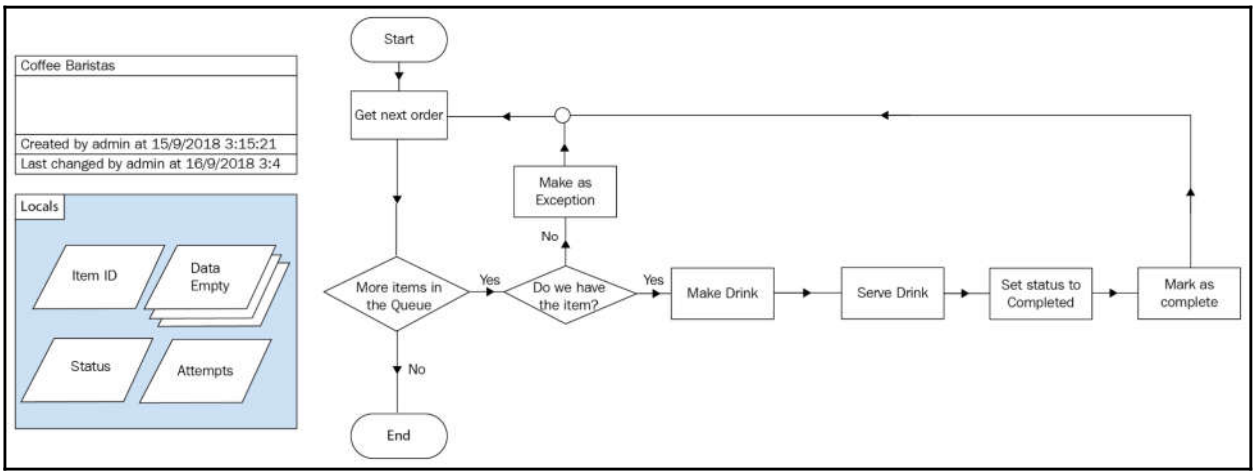


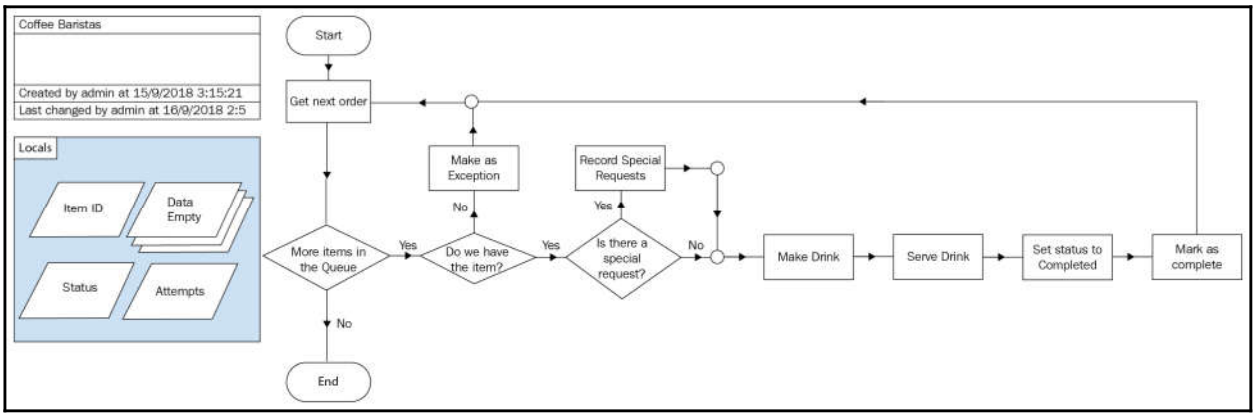
3	0	Exception: Automatically set exception at CleanUp
2	0	Exception: Automatically set exception at CleanUp
1	0	Exception: Automatically set exception at CleanUp

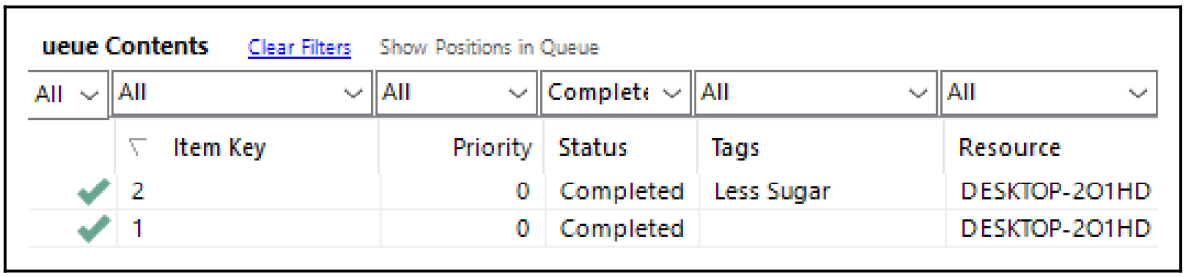

Coffee Baristas
Created by admin at 15/9/2018 3:15:21
Last changed by admin at 16/9/2018 2:5
Locals
Item ID
Data Empty
Status
Attempts
Start
Get next order
Mark as Complete
Make as Exception
No
More items in the Queue
Yes
Do we have the item?
Yes
Make and server the drink
No
End


Queue Contents
Clear Filters
Show Positions in Queue
All
All
All
All
All
All
Item Key
Priority
Status
Tags
Resource
3
0
Pending
DESKTOP-2O1HD
2
0
Pending
DESKTOP-2O1HD
1
0
Pending
DESKTOP-2O1HD

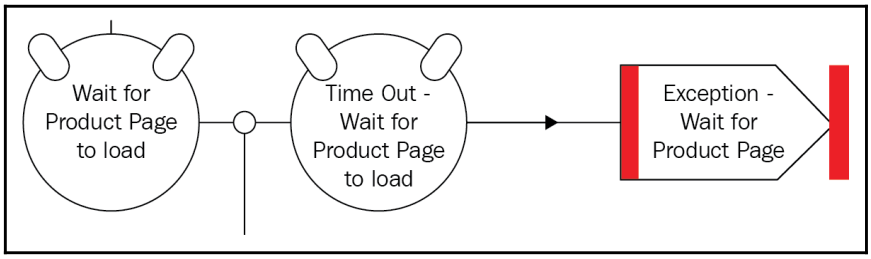

Coffee Baristas
Created by admin at 15/9/2018 3:15:21
Last changed by admin at 16/9/2018 3:4
Locals
Item ID
Data Empty
Status
Attempts
Start
Get next order
More Items in the Queue?
Yes
Make Drink
Serve Drink
Set status to Completed
Mark as complete
No
End

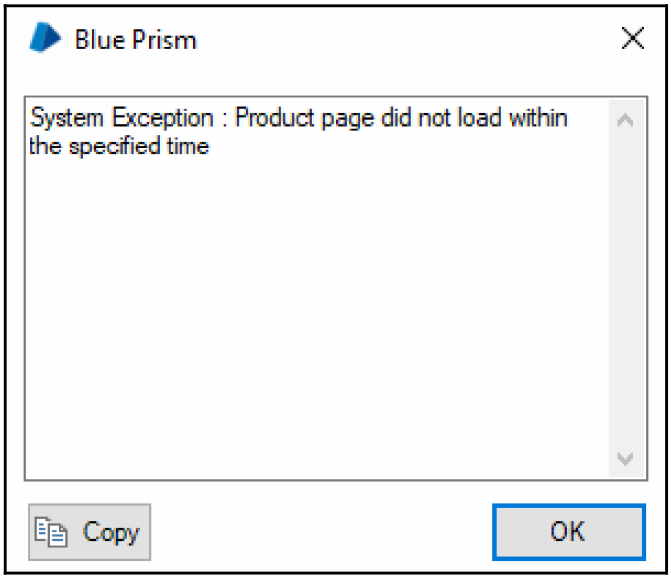

Coffee Baristas
Created by admin at 15/9/2018 3:15:21
Last changed by admin at 16/9/2018 3:4
Locals
Item ID
Data Empty
Status
Attempts
Start
Get next order
Make as Exception
No
More items in the Queue
Yes
Do we have the item?
Yes
Make Drink
Serve Drink
Set status to Completed
Mark as complete
No
End

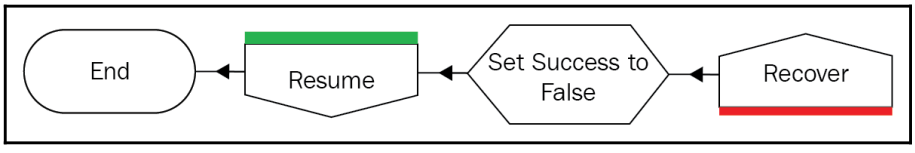

Coffee Baristas
Created by admin at 15/9/2018 3:15:21
Last changed by admin at 16/9/2018 2:5
Locals
Item ID
Data Empty
Status
Attempts
Start
Get next order
Make as Exception
No
Record Special Requests
Yes
More items in the Queue
Yes
Do we have the item?
Yes
Is there a special request?
No
Make Drink
Serve Drink
Set status to Completed
Mark as complete
No
End

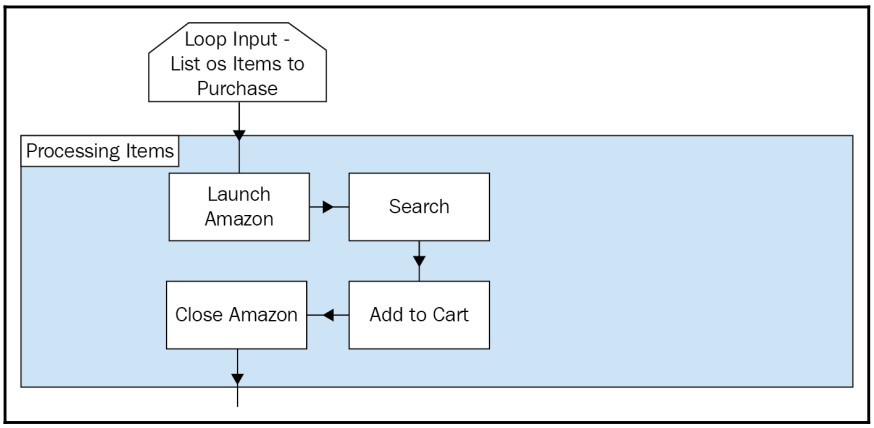

ueue Contents
Clear Filters
Show Positions in Queue
All
All
All
Complete
All
All
Item Key
Priority
Status
Tags
Resource
2
0
Completed
Less Sugar
DESKTOP-2O1HD
1
0
Completed
DESKTOP-2O1HD

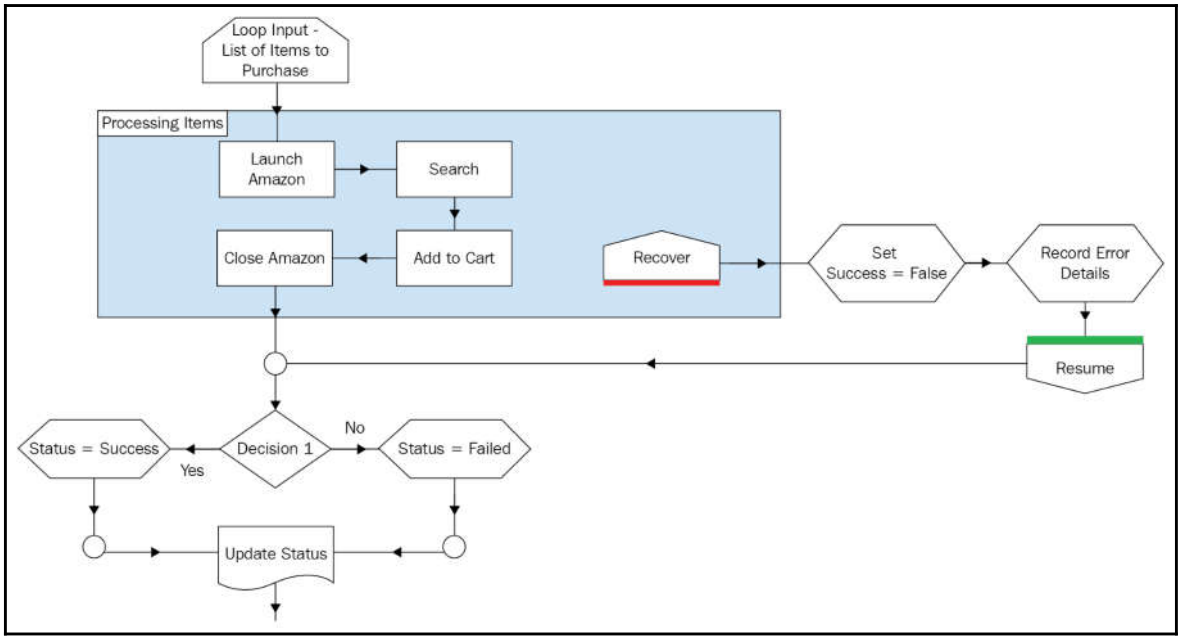
Chapter 11: Exception Handling

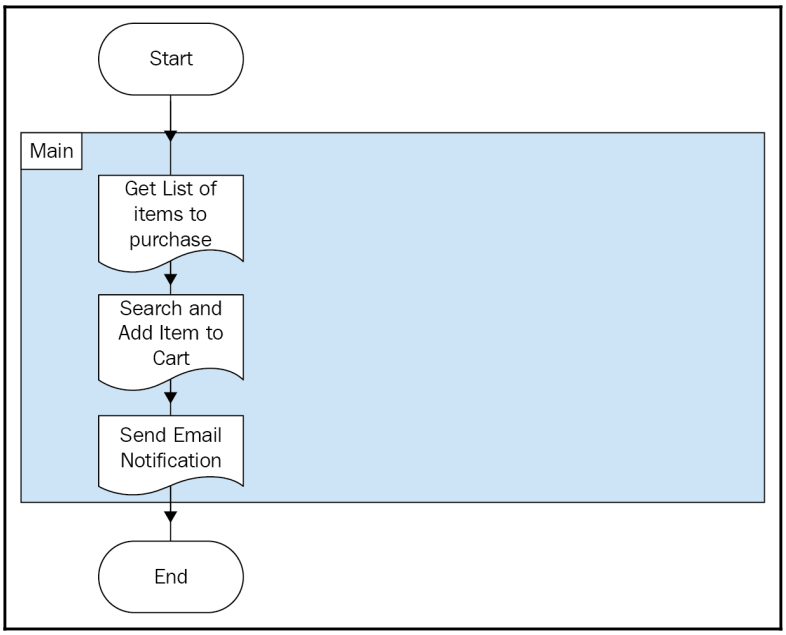


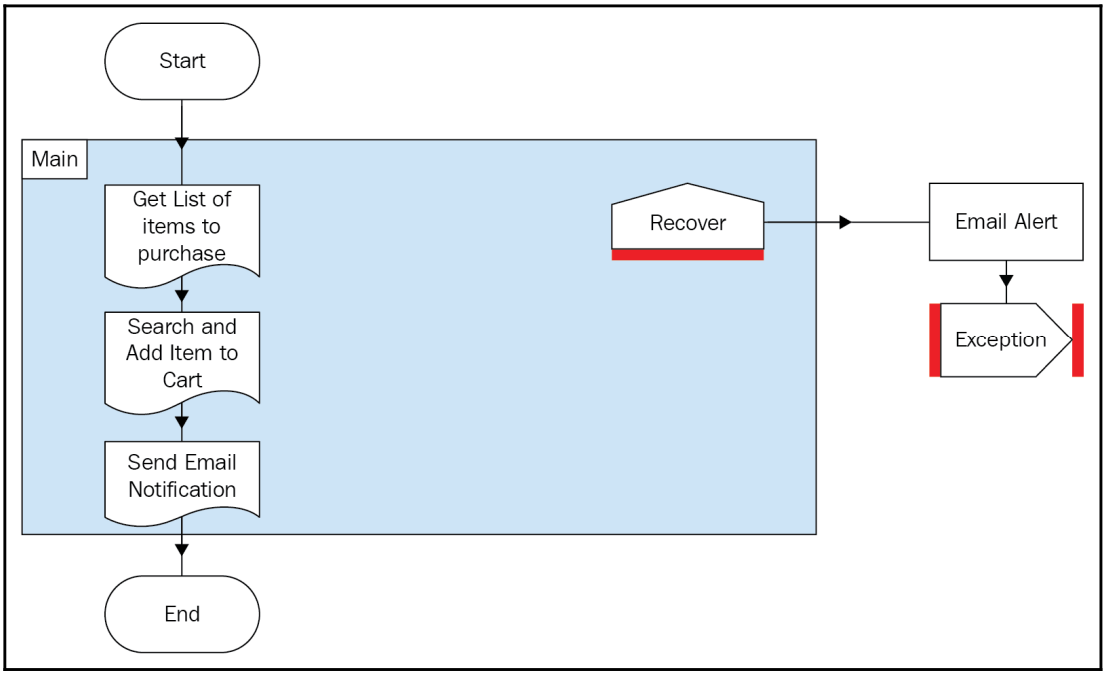




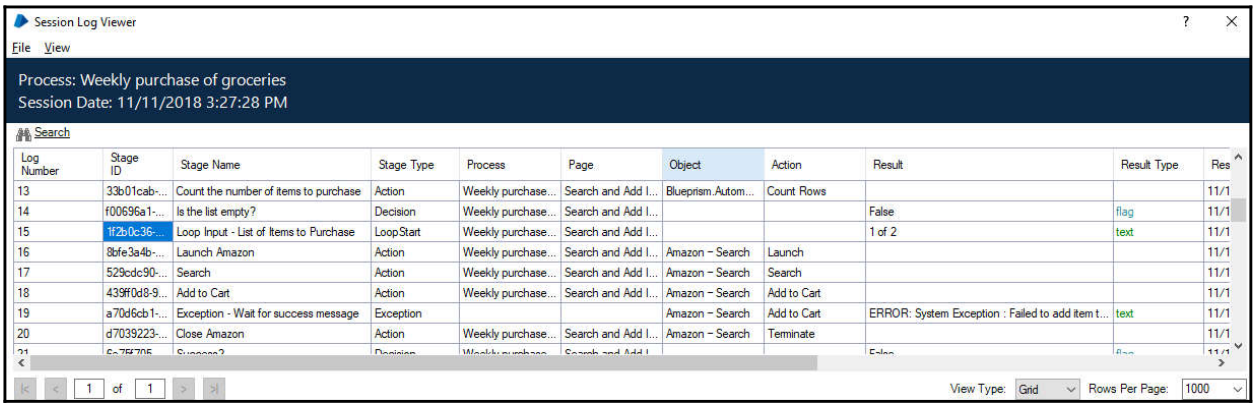

Loop Input - List os Items to Purchase
Processing Items
Launch Amazon
Search
Close Amazon
Add to Cart

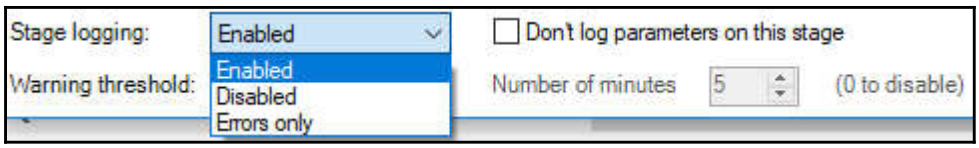

Loop Input - List of Items to Purchase
Processing Items
Launch Amazon
Search
Close Amazon
Add to Cart
Recover
Set Success = False
Record Error Details
Resume
Status = Success
Decision 1
No
Yes
Status = Failed
Update Status

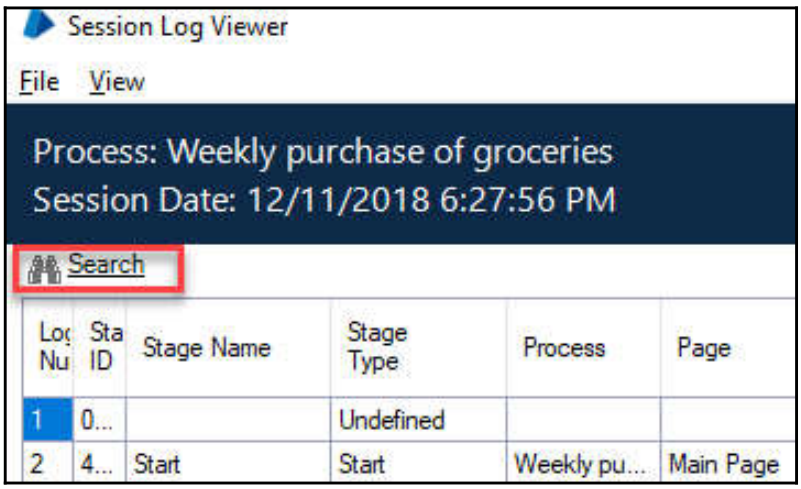

Start
Main
Get List of items to purchase
Search and Add Item to Cart
Send Email Notification
End


Start
Main
Get List of items to purchase
Search and Add Item to Cart
Send Email Notification
End
Recover
Email Alert
Exception

Graphic


Session Log Viewer
File View
Process: Weekly purchase of groceries
Session Date: 11/11/2018 3:27:28 PM
Search
Log Number | Stage ID | Stage Name | Stage Type | Process | Page | Object | Action | Result | Result Type
13 | 33b01cab-... | Count the number of items to purchase | Action | Weekly purchase... | Search and Add I... | Blueprism.Autom... | Count Rows
14 | f00696a1-... | Is the list empty? | Decision | Weekly purchase... | Search and Add I... | | | False | flag
15 | 1f2b0c36-... | Loop Input - List of Items to Purchase | LoopStart | Weekly purchase... | Search and Add I... | | | 1 of 2 | text
16 | 8bfe3a4b-... | Launch Amazon | Action | Weekly purchase... | Search and Add I... | Amazon - Search | Launch
17 | 529cdc90-... | Search | Action | Weekly purchase... | Search and Add I... | Amazon - Search | Search
18 | 439ff0d8-9... | Add to Cart | Action | Weekly purchase... | Search and Add I... | Amazon - Search | Add to Cart
19 | a70d6cb1-... | Exception - Wait for success message | Exception | | | Amazon - Search | Add to Cart | ERROR: System Exception : Failed to add item t... | text
20 | d7039223-... | Close Amazon | Action | Weekly purchase... | Search and Add I... | Amazon - Search | Terminate
View Type: Grid
Rows Per Page: 1000


Stage logging:
Enabled
Enabled
Disabled
Errors only
Don't log parameters on this stage
Warning threshold:
Number of minutes
5
(0 to disable)


Session Log Viewer
File View
Process: Weekly purchase of groceries
Session Date: 12/11/2018 6:27:56 PM
Search
Log Nu
Sta ID
Stage Name
Stage Type
Process
Page
1 0... Undefined
2 4... Start Start Weekly pu... Main Page