Logic Flows

Assign

Calling Other Actions

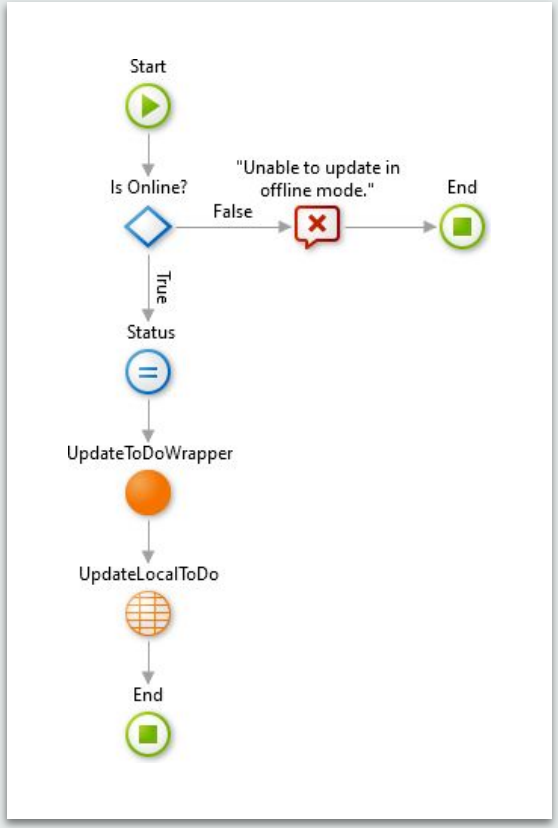
Conditional Branching

Loops

Queries

Action Flows

- An Action Flow is where a piece of logic is defined
- It can only have one Start node
- Every Action Flow can end with multiple nodes
  - End
  - Destination (Screen Actions only)
  - Download (Screen Actions only)



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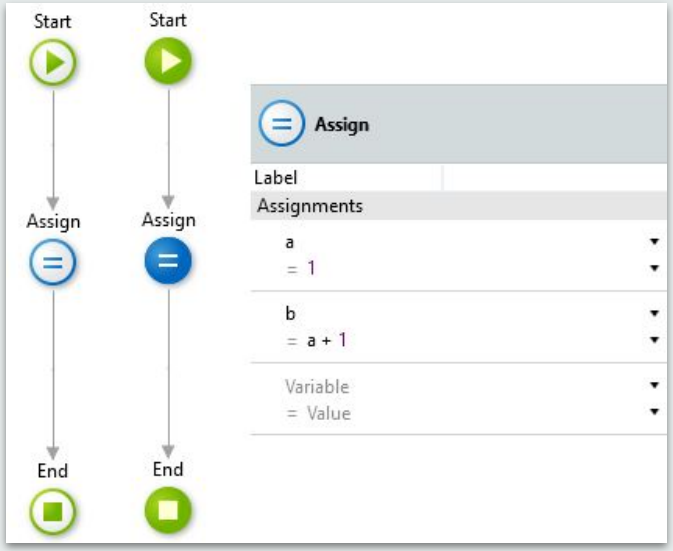
Assign

- Allows setting values to variables (or parameters)
- A single **Assign** can define more than one assignment
  - Values are assigned top to bottom
  - Changes occur immediately
- Service Studio provides standard type-matching values suggestion



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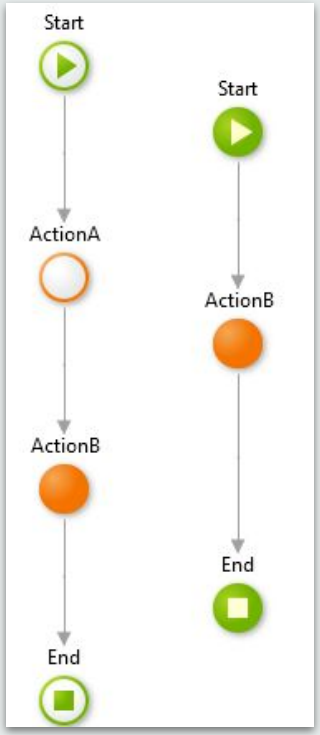
Calling Other Actions

- A Client Action can call other Client Actions and Server Actions
  - No more than one Server Action call is recommended
- A Server Action call only call other Server Actions



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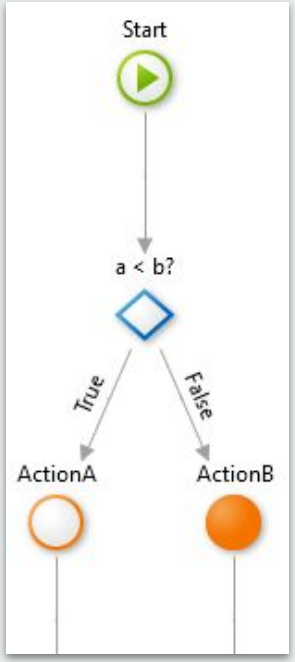
If

- Creates a conditional branching on an Action flow
  - The If condition is evaluated
  - Only the corresponding branch is followed depending on the outcome



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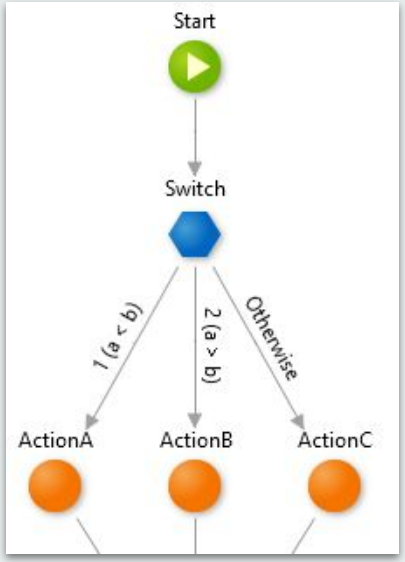
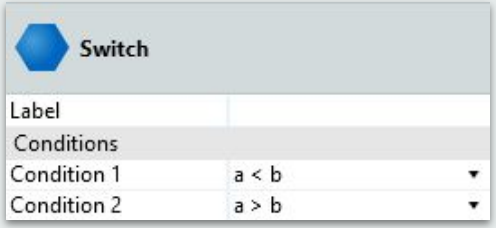
Switch

- Creates conditional branching with multiple branches
  - Conditions are evaluated from first to last
- **Only** the first branch that evaluates to True is executed, or the Otherwise branch
- Otherwise branch is mandatory





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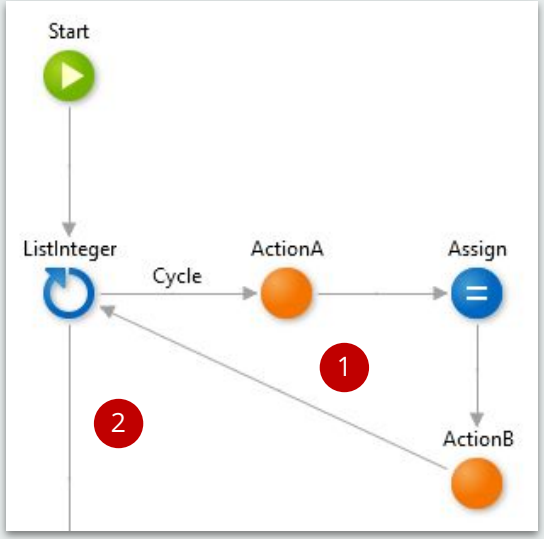
For Each

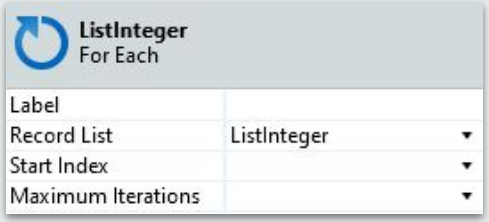
Allows iterating through a **Record List**

In the Action flow

1. *Cycle* branch is followed for each record in the List
   - The branch must return to the For Each to continue the loop
2. Branch followed after cycle completes

RecordList.Current gets the record being iterated within the loop





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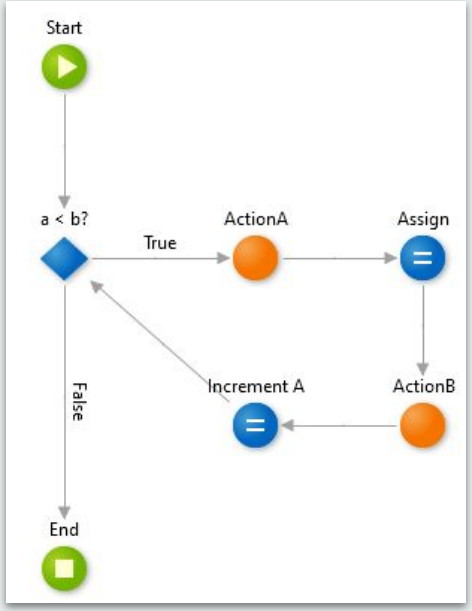
Ad-hoc Loops

- Use the **If** to evaluate a loop condition
  - Follow a cyclic branch when condition is true
  - Exit loop when condition is false

- In the cyclic branch
  - The branch must return to the If to continue the loop
  - The branch can create other conditional / alternative branches
  - Be careful with infinite loops!



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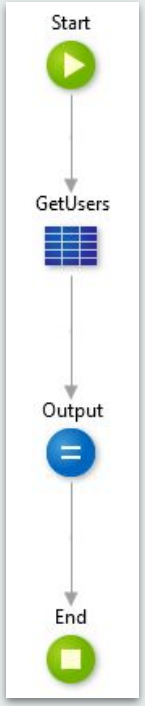
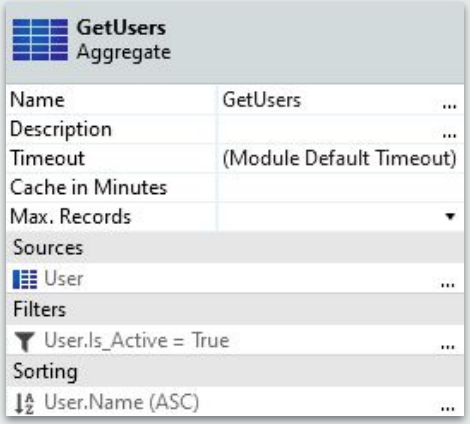
Aggregates

- A logic flow can also have Aggregates
  - Can be used directly in Server Actions only
  - Defined just like a Screen Aggregate
- Aggregates are executed synchronously and following the order in the Action flow





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Questions?

Thank you

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