Workflow Scenario Example 12

Type: Advanced Approval Process Workflow
Department: Payables

November 30th, 2019

aptean
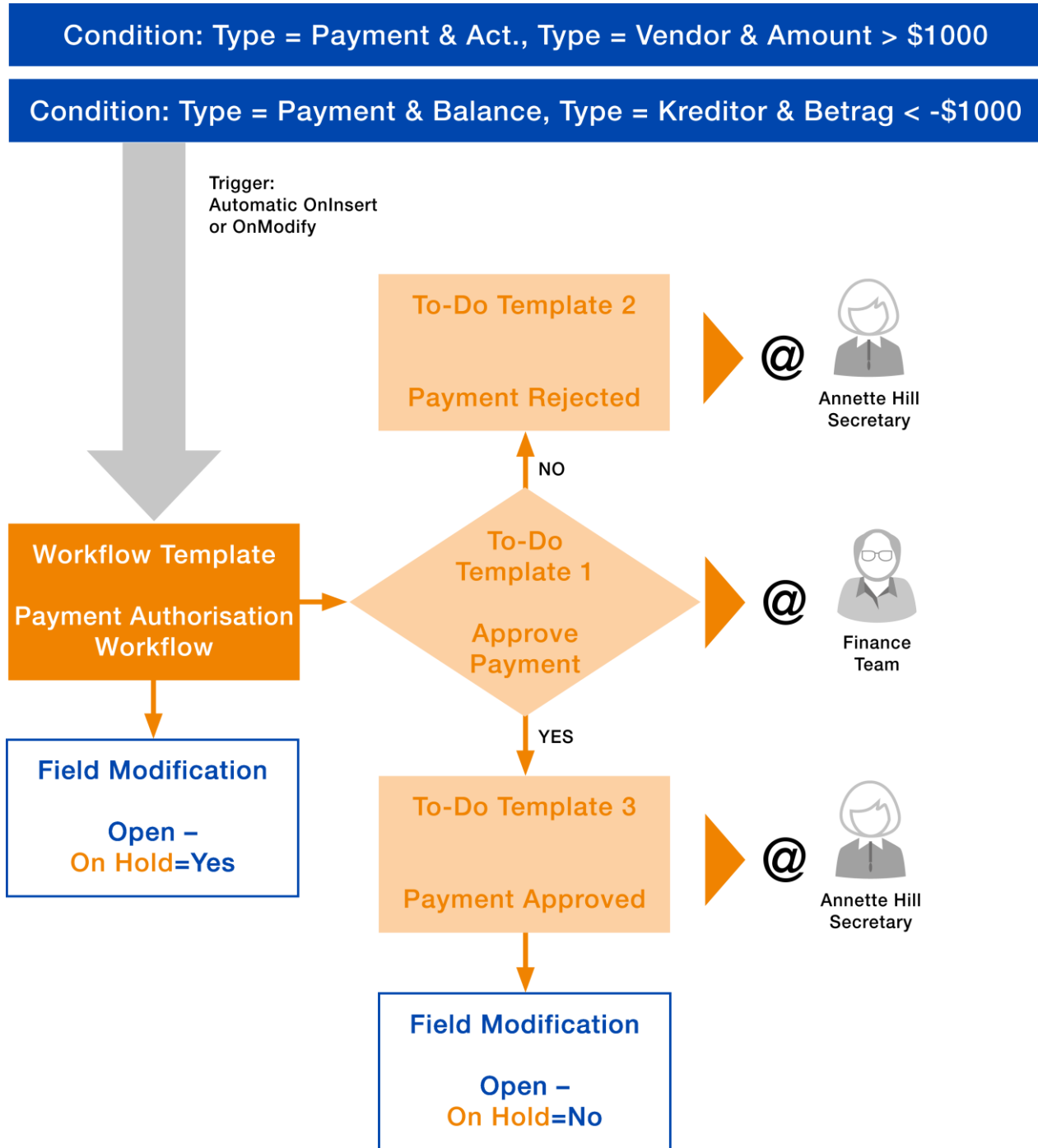
Learning Objectives

Decision

It is possible to lodge a decision as an option to a To-Do and as soon as an employee who is responsible for this decision has made the decision, the To-do is completed by default. Next steps in the work process will be activated depending on the decision which had been made.

Business Process "Payment Approval"

Payments of over 1000 Euro are checked and possibly approved by the Accountant and then can be paid by the Secretary afterwards. In addition, an inquiry of payment decisions in a different currency will be sent to the Financial Manager for approval or rejection.

Aptean Advanced Workflow Diagramm

Condition: Type = Payment & Act., Type = Vendor & Amount > $1000

Condition: Type = Payment & Balance, Type = Kreditor & Betrag < -$1000

Trigger:
Automatic OnInsert
or OnModify

To-Do Template 2

Payment Rejected

@ Annette Hill
Secretary

NO

Workflow Template

Payment Authorisation Workflow

To-Do Template 1

Approve Payment

@ Finance Team

Field Modification

Open –
On Hold=Yes

YES

To-Do Template 3

Payment Approved

@ Annette Hill
Secretary

Field Modification

Open –
On Hold=No

Aptean Advanced Workflow Setup

Reference Type

No.: 81 (Gen. Journal Line)
Buffer Time on Function Call Server: 30 Seconds
Automatic Workflows: Yes
Keyword Definition Lines
        Tick all Use Fields.
        Table ID: 81 (Gen. Journal Line)
        Tick all Use Fields
        Keyword Definitions Line 1
                Field ID: 4 (Account No.)
        Keyword Definitions Line 2
                Field ID: 11 (Bal. Account No.)
        Keyword Definitions Line 3
                Field ID: 13 (Amount)
        Keyword Definitions Line 4
                Field ID: 12 (Currency Code)

To-Do Template

To-Do Template 1	Reference Type No: 81 (Gen. Journal Line) Code: WF120-TD010 Description: Approve Payment
WHO	Employee Code:GS Conditional Responsibility based on Currency Code **Conditional Responsibilities** Conditional Responsibilities Line 1 Condition Code: WF120-TD010 **Condition** Table ID: 81 (Gen. Journal Line) Code: WF120-TD010 Description: Currency Type: Responsibility Condition Line 1 Active: Yes Type: Field Table ID: 81 (Gen. Journal Line) Field ID: 12 (Currency Code) Filter: <>" Employee Code: HA
WHY	No Activation
WHEN	Source Type: Workflow Duration Date Calculation: 1D
WHAT	Type: Decision Code: APPROVAL **Decision Option Set Code** Code: APPROVAL Description: Approve or Reject Decision Option Set Line 1 Value: Approved Description: Approved Decision Option Set Line 2 Value: Rejected Description: Rejected Decision Option Set Code: APPROVAL

To-Do Template 2	Reference Type No: 81 (Gen. Journal Line) Code: WF120-TD020 Description: Payment Rejected
WHO	Employee Code: AH
WHY	By Decision Type No.: 81 (Gen. Journal Line) Decision To-Do Template Code: WF120-TD010 Decision Value Filter: Rejected
WHEN	Source Type: To-Do Source Code: WF120-TD010 Duration Date Calculation: 1D
WHAT	Type: Manual Completion

To-Do Template 3	Reference Type No: 81 (Gen. Journal Line) Code: WF120-TD030 Description: Payment Approved
WHO	Employee Code: AH
WHY	By Decision Type No: 81 (Gen. Journal Line) By Decision Template Code: WF120-TD010 Decision Value Filter: Approved
WHEN	Source Type: To-Do Source Code: WF120-TD010 Duration: 1D
WHAT	Type: Manual Completion

Field Modifications

Field Modification Line 1
  Old Status Level Filter: 0..14
  New Status Level Filter: 2
  Table ID: 81 (Gen. Journal Line)
  Field ID: 34 (On Hold)
  Fix Value Input: [Field Value is empty]

Workflow Template

Reference Type: 81 (Gen. Journal Line)
Code: WF120
Description: Payment Authorize
Editing Page ID.: 256 (Payment Journal)
Use Condition: WF120-C020

Condition

Table ID: 81 (Gen. Journal Line)
Code: WF120-C020
Description: Vendor Payment
Type: Workflow Use Condition
  All Condition Lines
    Active: Yes
    Type: Field
    Table ID: 81 (Gen. Journal Line)
  Condition Line 1
    Field ID: 6 (Document Type)
    Filter: Payment
  Condition Line 2
    Field ID: 3 (Account Type)
    Filter: Vendor
  Condition Line 3
    Field ID: 16 (Amount (LCY))
    Filter: >1000

Use Condition: WF120-C030

Condition

Table ID: 81 (Gen. Journal Line)
Code: WF120-C030
Description: Vendor Balance Payment
Type: Workflow Use Condition
    All Condition Lines
        Active: Yes
        Type: Field
        Table ID: 81 (Gen. Journal Line)
    Condition Line 1
        Field ID: 6 (Document Type)
        Filter: Payment
    Condition Line 2
        Field ID: 63 (Bal. Account Type)
        Filter: Vendor
    Condition Line 3
        Field ID: 16 (Amount (LCY))
        Filter: <-1000
Workflow Line 1
    Type: To-Do
    Code: WF120-TD010
Workflow Line 2
    Type: To-Do
    Code: WF120-TD020
Workflow Line 3
    Type: To-Do
    Code: WF120-TD030

Field Modification

Field Modification Line 1
    Old Status Level Filter: 0..14
    New Status Level Filter: >2
    Table ID: 81 (Gen. Journal Line)
    Field ID: 34 (On Hold)
    Fix Value Input: Yes

Development

Standard NAV does not stop a Gen. Journal Line that is On Hold from being posted. So to enforce the approval process it is necessary to put a small piece of code in Codeunit 11 (directly at the beginning).
// >> Aptean Advanced Workflow example
TESTFIELD("On Hold",'');
// << Aptean Advanced Workflow example