

PUBLIC

# **Deep dive into SAP Business Technology Platform Workflow Management – Notify Process Administrators**

DEV-264

Exercises / Solutions  
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SAP Business Technology Platform Workflow Management has Process Visibility capability, enable Process Owners / Process Operators to gain real time insights into processes and insight to actions. In this document you will learn how to model workflows which can be configured later from Process Visibility and trigger actions based on process status by system or user.

## INSIGHT TO ACTION

Processes change their status based on different situations like delays, SLA violation or technical failures. Some of this status changes require system centric actions and others require user centric actions. Process Visibility enable you to define both system and user centric actions based on process status.

### System Triggered Action

Process visibility triggers actions when process status changes like (Failed, Suspended, Overdue or at Risk). Pre-configured workflow is triggered, and the workflow can do appropriate steps like notifying process administrators or creating a service ticket.

### User Triggered Action

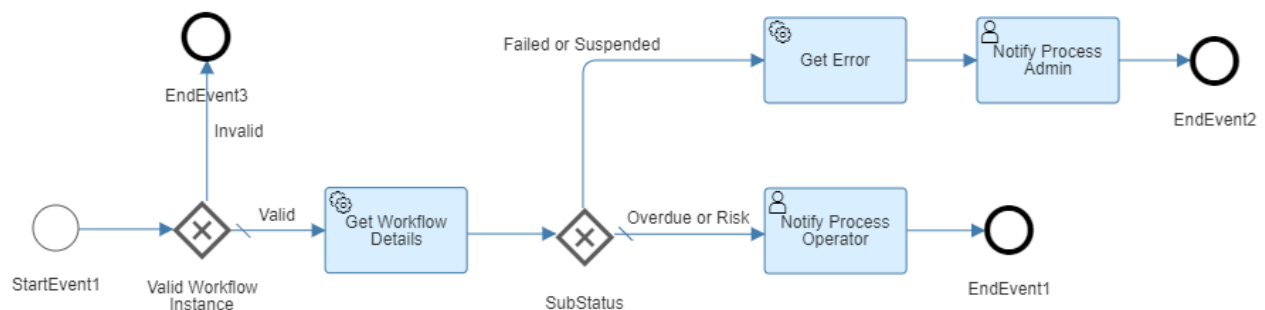
User triggered actions will be enabled when the process reach the preconfigured state and a user can trigger this action from process visibility. For eg: The process has exceeded the cycle time or at Risk or suspended or Failed.

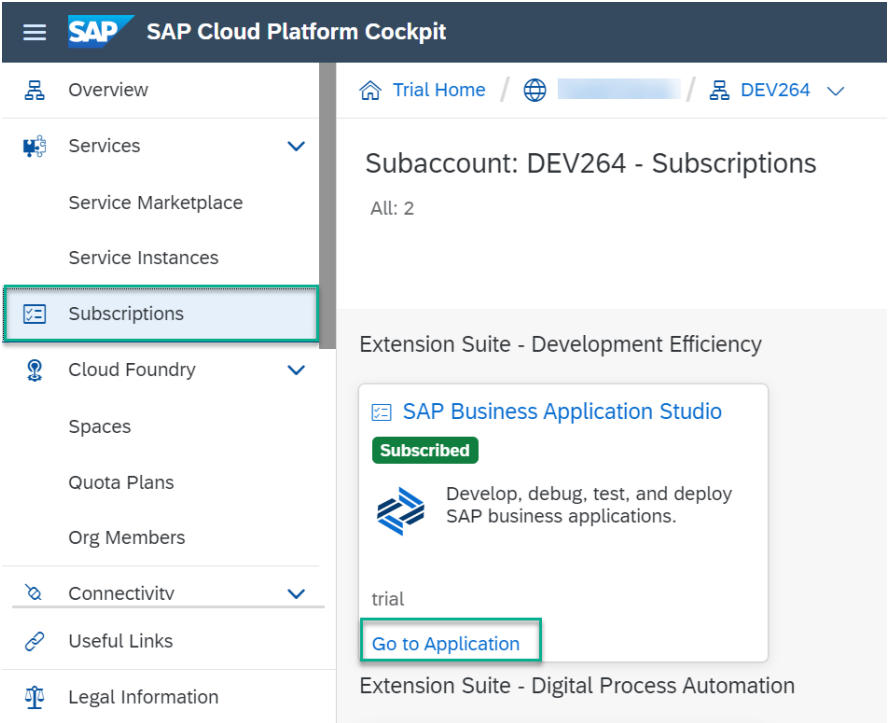
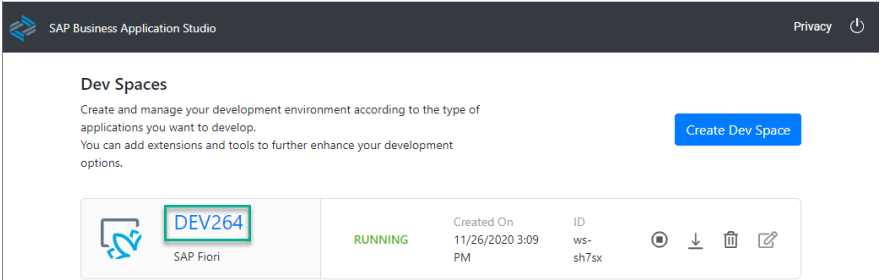
### Prerequisite

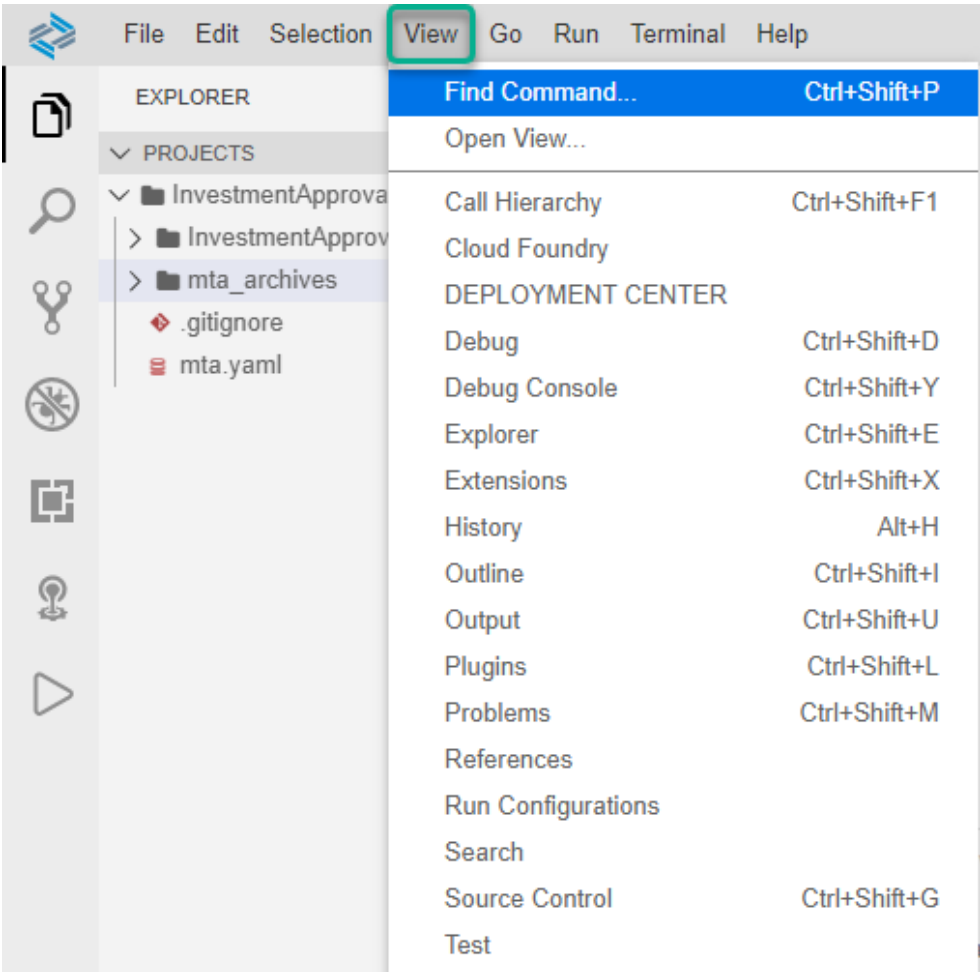
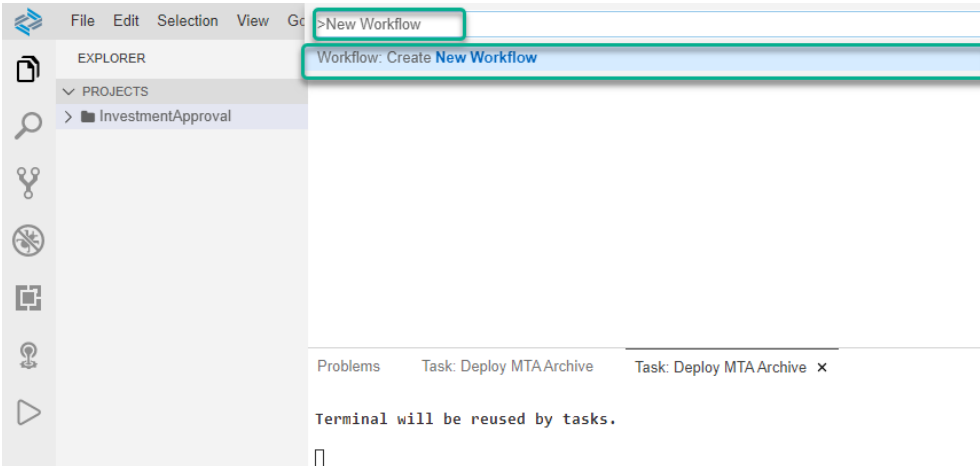
You have already configured your SAP Business Application Studio Workspace and Created the Investment Approval Workflow. Please refer [Model Workflow guide](#) how to build and deploy Investment Approval Workflow

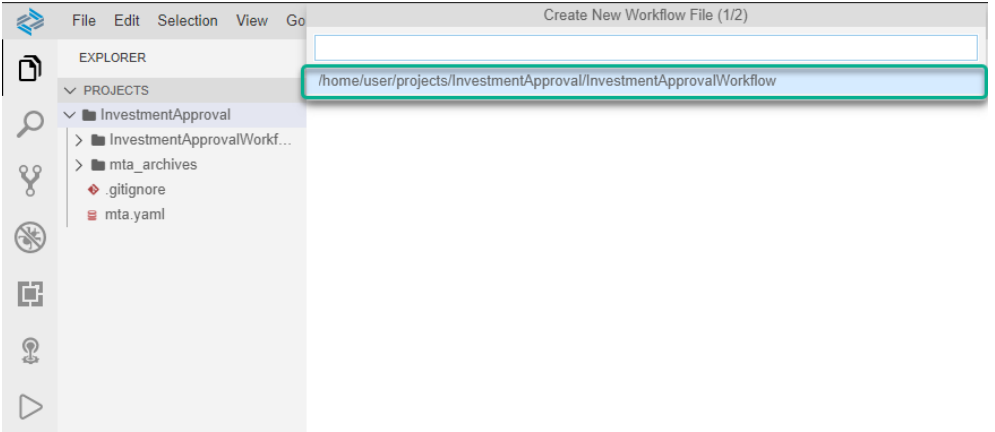
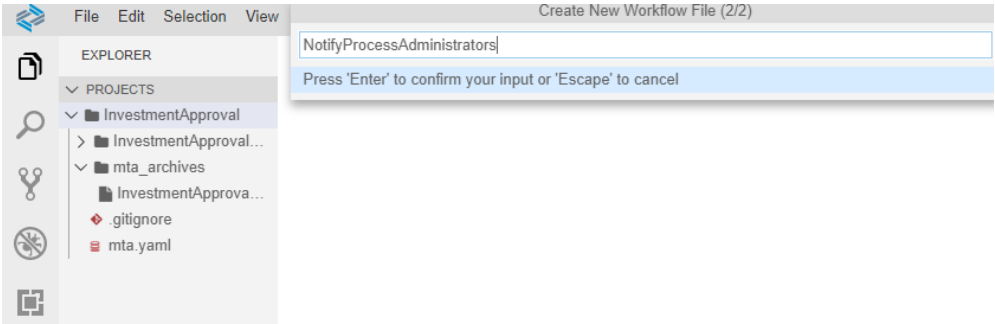
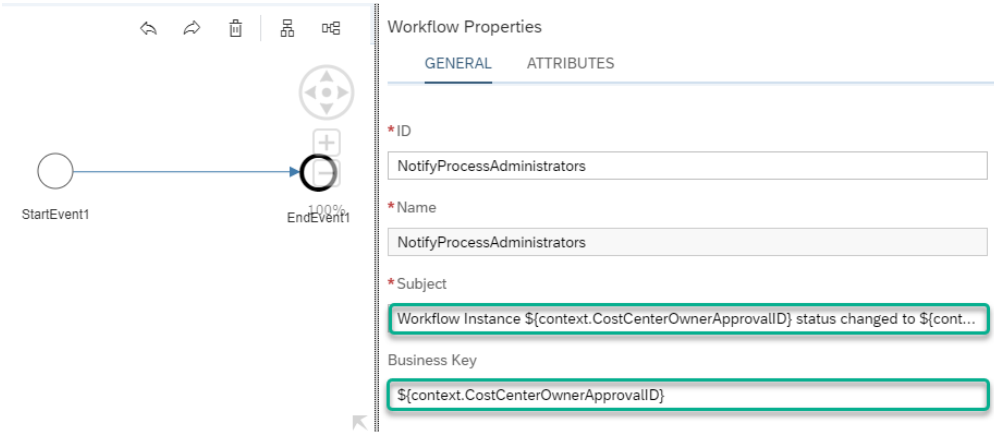
## INSIGHT TO ACTION – NOTIFY PROCESS ADMINISTRATORS – SYSTEM TRIGGERED ACTION

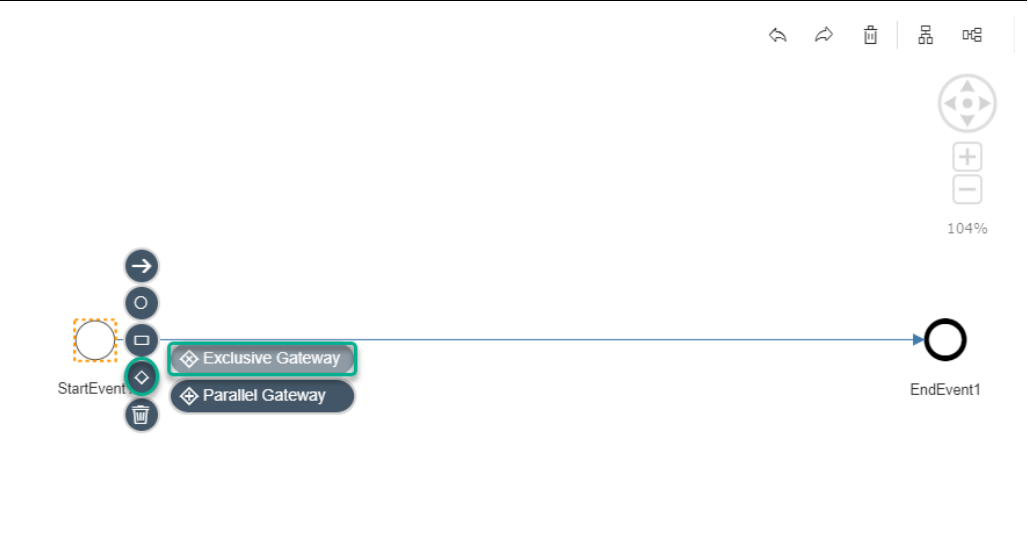
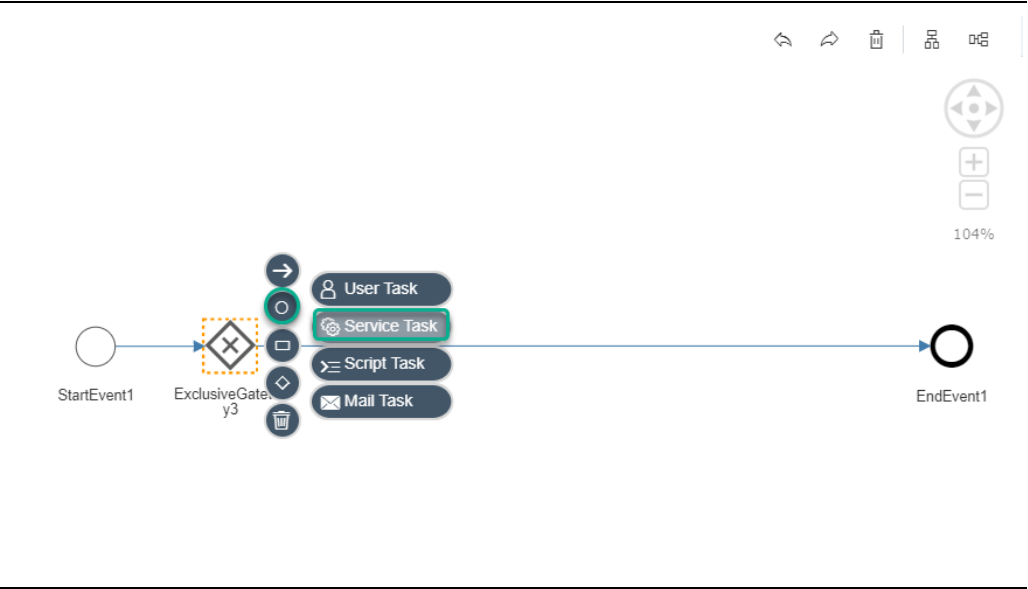
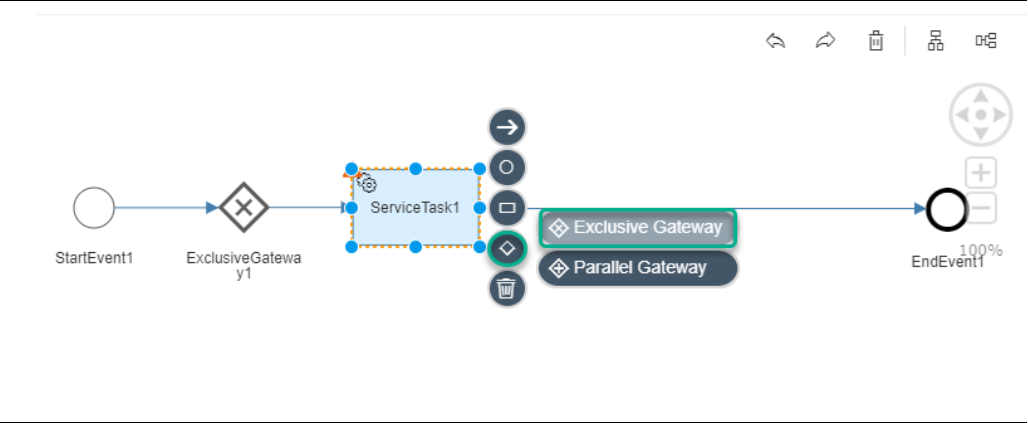
In this guide you will model a workflow to manage workflow status changes as actions from SAP Business Technology Platform Process Visibility. The workflow is triggered from Process Visibility when Investment Approval Workflow Instances change status to Failed, Suspended, Overdue or at Risk.

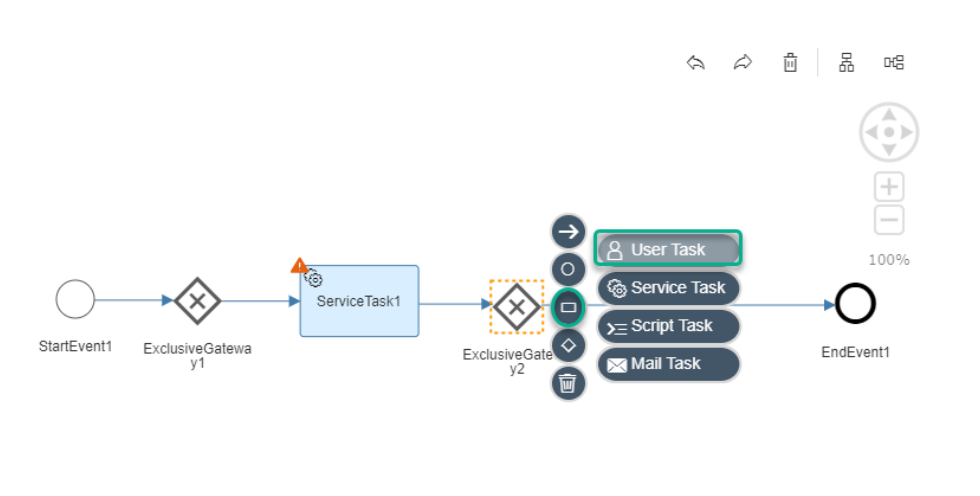
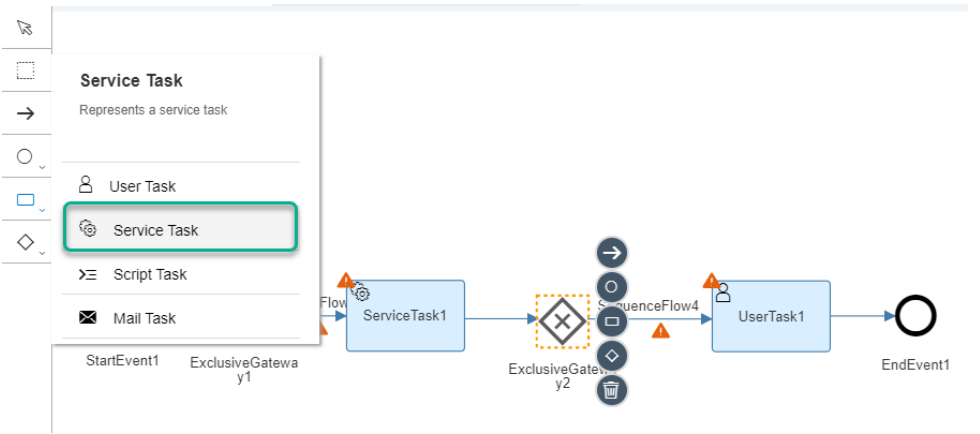
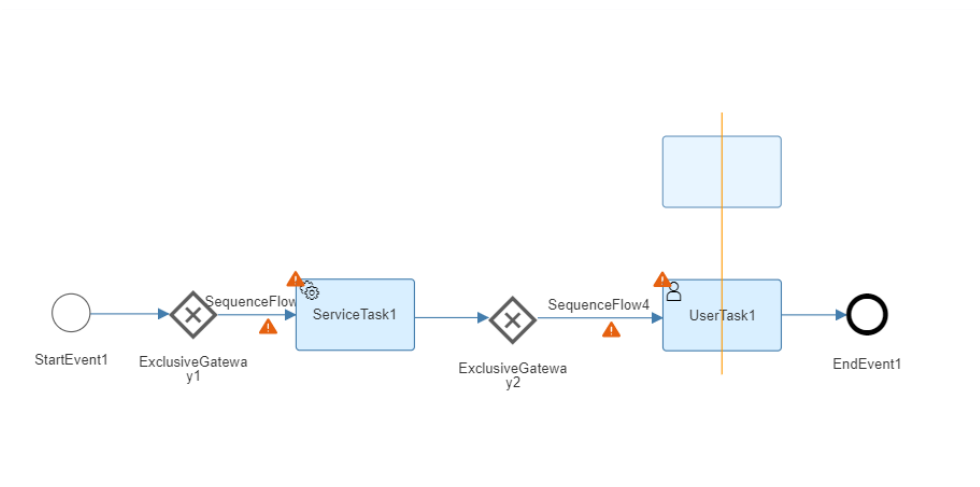


Explanation	Screenshot
<ol style="list-style-type: none"> <li>1. Select <b>Subscriptions</b> in your Sub Account and you see the subscribed applications.</li> <li>2. Select <b>SAP Business Application Studio</b> and click <b>Go to Application</b>.</li> </ol> <p>SAP Business Technology Platform Business Application Studio will be opened in new browser window.</p>	
<ol style="list-style-type: none"> <li>3. Click your Dev Space.</li> </ol>	

Explanation	Screenshot
4. Click <b>View</b> on the menu and select <b>Find Command</b> .	 A screenshot of the Visual Studio Code interface. The 'View' menu is open, showing various views like Explorer, Search, and Run and Debug. The 'Find Command...' option is highlighted at the top of the menu. The Explorer sidebar on the left shows a project structure with folders like 'InvestmentApproval' and 'mta_archives'.
5. Search for <b>New Workflow</b> . 6. Select <b>Workflow: Create New Workflow</b>	 A screenshot of the Visual Studio Code interface. The search bar at the top right contains the text '>New Workflow'. Below the search bar, a dropdown menu shows the result 'Workflow: Create New Workflow'. The Explorer sidebar on the left shows the 'InvestmentApproval' folder selected. At the bottom of the interface, there are tabs for 'Problems', 'Task: Deploy MTA Archive', and 'Task: Deploy MTA Archive x'. A message at the bottom states 'Terminal will be reused by tasks.'

Explanation	Screenshot
7. Select the folder name.	
8. Enter the new Workflow name as <b>NotifyProcessAdministrators</b> .  A new workflow has created and opened in the editor.  Drag and drop the <b>EndEvent</b> towards right to add other workflow artifacts.	
9. Enter the following. <b>Subject:</b> Workflow Instance \${context.CostCenterOwnerApp rovalID} status changed to \${context.SubStatus} <b>Business Key:</b> \${context.CostCenterOwnerApp rovalID}	

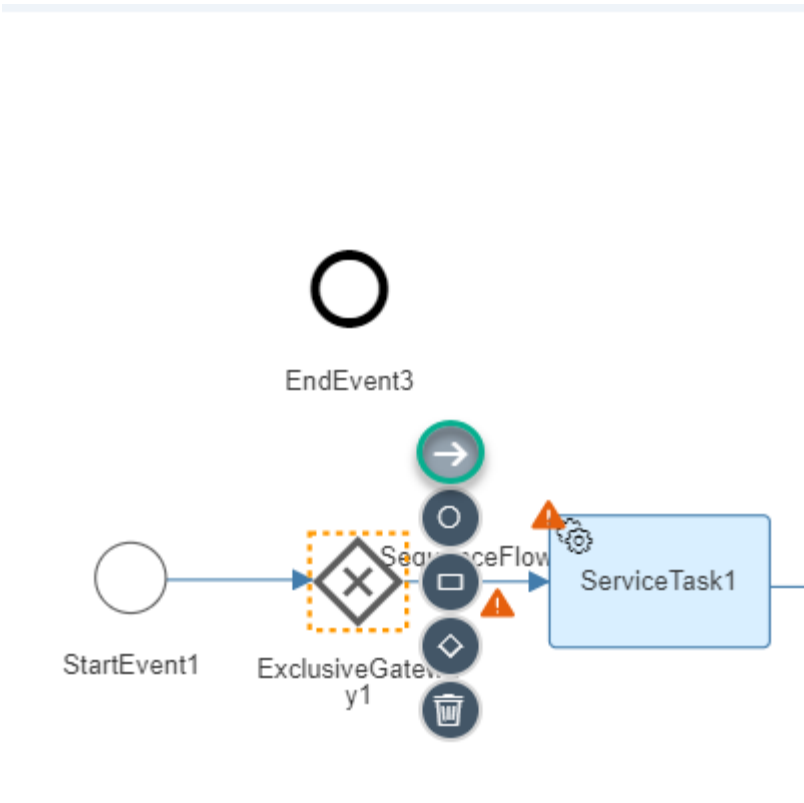
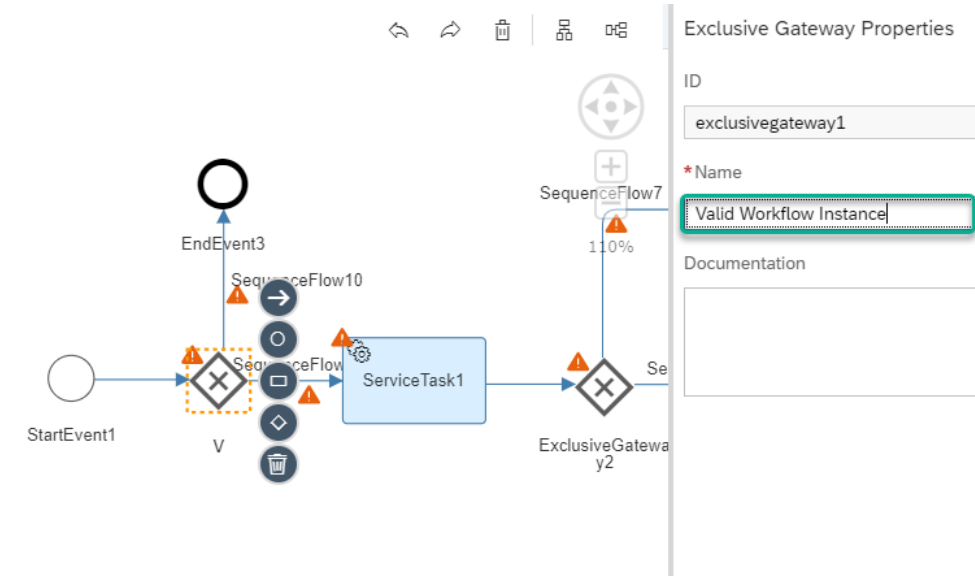
Explanation	Screenshot
10. Select <b>Start Event</b> and choose <b>Exclusive Gateway</b> from the speed button.	 <p>The screenshot shows a BPMN diagram with a StartEvent1 (thin circle) on the left and an EndEvent1 (thick circle) on the right. A flow line connects them. A speed button is open over the flow line, showing two options: 'Exclusive Gateway' (highlighted with a green border) and 'Parallel Gateway'. The diagram is at 104% zoom.</p>
11. Select <b>Exclusive Gateway</b> and choose <b>Service Task</b> from the speed button.	 <p>The screenshot shows the BPMN diagram with StartEvent1 connected to an Exclusive Gateway (diamond with an 'X', labeled 'ExclusiveGate y3'). A speed button is open over the gateway, showing four options: 'User Task', 'Service Task' (highlighted with a green border), 'Script Task', and 'Mail Task'. The diagram is at 104% zoom.</p>
12. Select <b>ServiceTask1</b> and choose <b>Exclusive Gateway</b> from the speed button.	 <p>The screenshot shows the BPMN diagram with StartEvent1 connected to an Exclusive Gateway (labeled 'ExclusiveGatwa y1'). A flow line connects the gateway to a ServiceTask1 (rounded rectangle). A speed button is open over ServiceTask1, showing two options: 'Exclusive Gateway' (highlighted with a green border) and 'Parallel Gateway'. The diagram is at 100% zoom.</p>

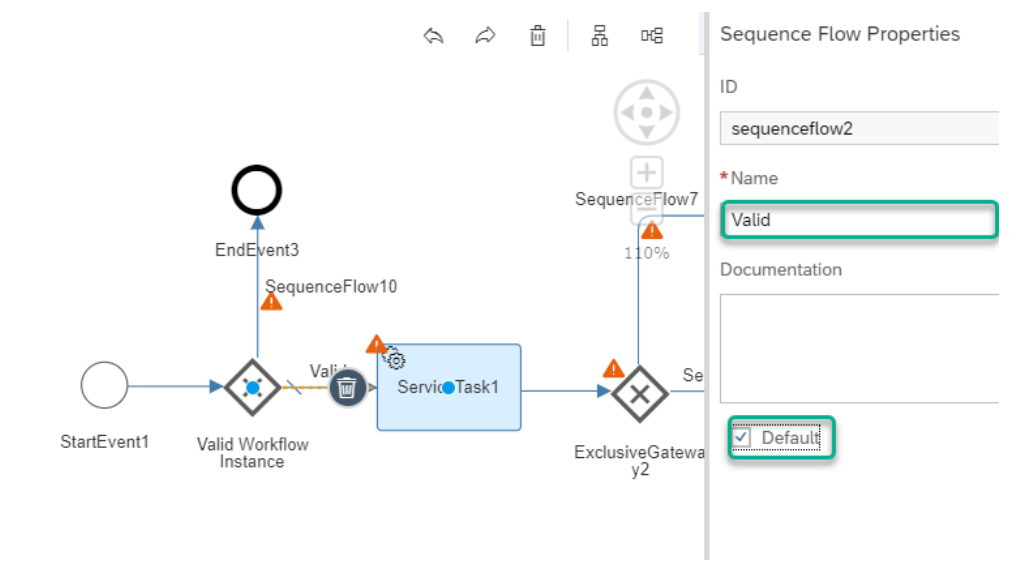
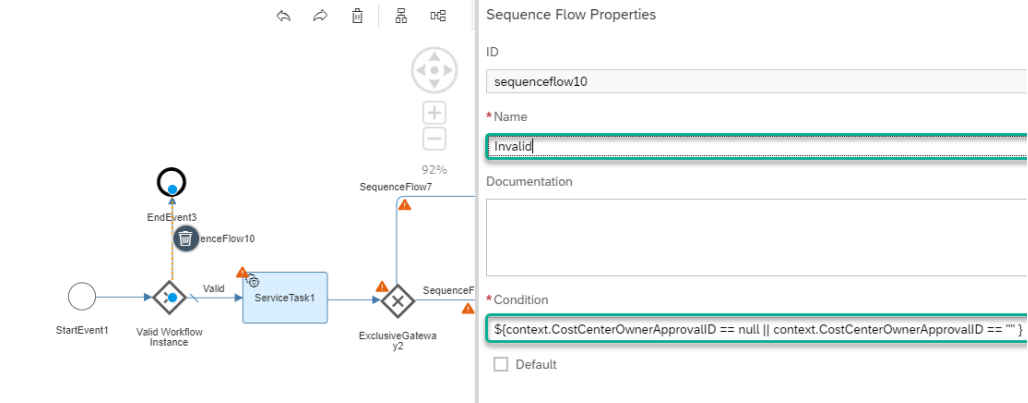
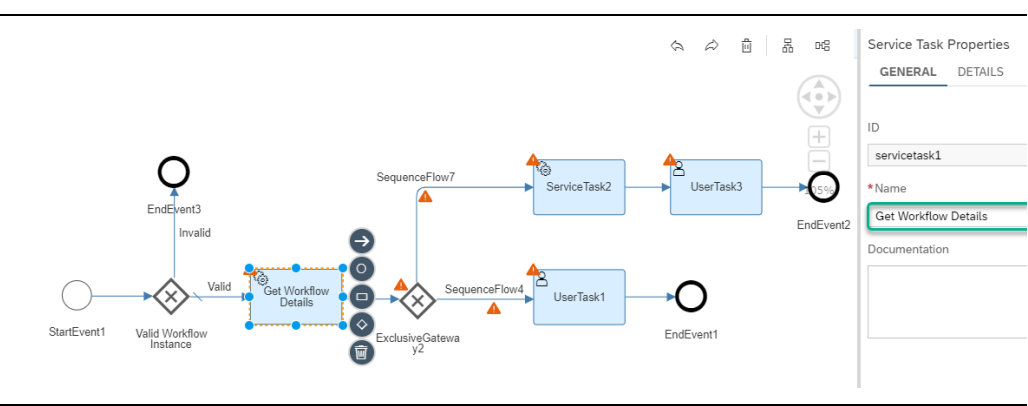
Explanation	Screenshot
13. Select <b>ExclusiveGateway2</b> and choose <b>User Task</b> from the speed button.	 <p>The screenshot shows a BPMN diagram with the following elements: StartEvent1, ExclusiveGateway y1, ServiceTask1, ExclusiveGateway y2, and EndEvent1. A palette is open over ExclusiveGateway y2, displaying options: User Task (highlighted with a green border), Service Task, Script Task, and Mail Task. The diagram is at 100% zoom.</p>
14. Select <b>Service Task</b> from the Palette.	 <p>The screenshot shows the same BPMN diagram as in step 13. A palette is open over ExclusiveGateway y1, displaying options: User Task, Service Task (highlighted with a green border), Script Task, and Mail Task. The diagram is at 100% zoom.</p>
15. Drag and drop the <b>Service Task</b> above <b>UserTask1</b> .	 <p>The screenshot shows the BPMN diagram with a new Service Task being positioned above UserTask1. A vertical orange line indicates the drop target. The diagram includes StartEvent1, ExclusiveGateway y1, ServiceTask1, ExclusiveGateway y2, UserTask1, and EndEvent1. SequenceFlow4 connects ExclusiveGateway y2 to UserTask1.</p>



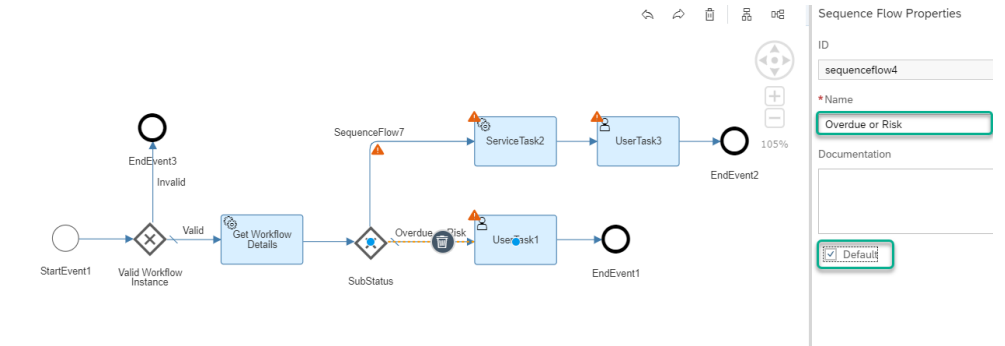
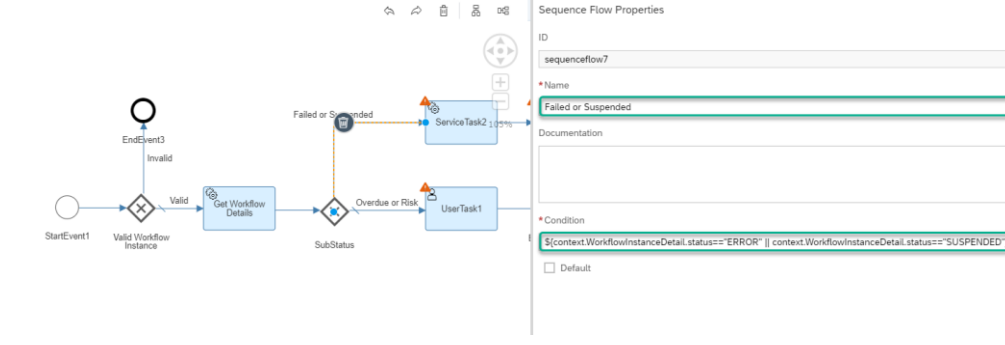
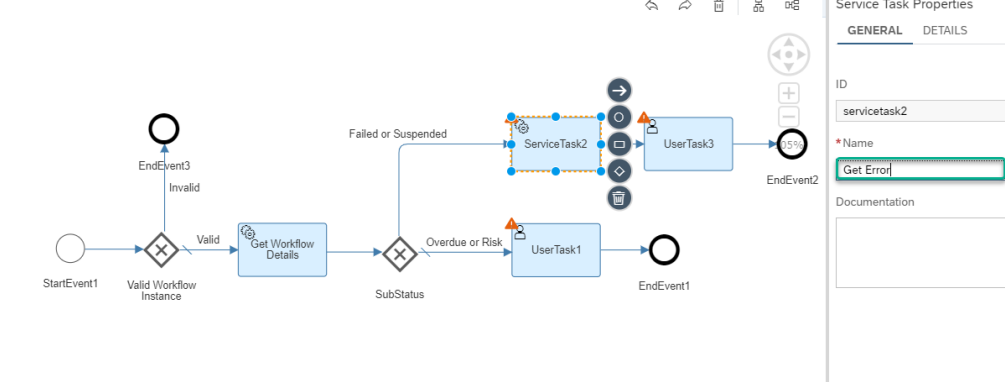
Explanation	Screenshot
16. Select <b>ExclusiveGateway2</b> and choose <b>Sequence Flow</b> from the speed button.	<p>The screenshot shows a BPMN diagram with the following elements: StartEvent1, ExclusiveGateway y1, ServiceTask1, ExclusiveGateway y2, SequenceFlow4, UserTask1, and EndEvent1. A speed button menu is open over ExclusiveGateway y2, with 'Sequence Flow' selected. A new sequence flow, SequenceFlow7, is being added from ExclusiveGateway y2 to ServiceTask2, which is positioned above the main flow.</p>
17. Select <b>ServiceTask2</b> and choose <b>User Task</b> from the speed button.	<p>The screenshot shows the same BPMN diagram as in step 16. A speed button menu is open over ServiceTask2, with 'User Task' selected. A new user task, UserTask3, is being added to the flow between ServiceTask2 and UserTask1.</p>
18. Select <b>UserTask</b> and choose <b>End Event</b> from the speed button.	<p>The screenshot shows the same BPMN diagram as in step 17. A speed button menu is open over UserTask3, with 'End Event' selected. A new end event is being added to the flow between UserTask3 and EndEvent1.</p>

Explanation	Screenshot
19. Select <b>End Event</b> from the palette.	<p>The screenshot shows a software interface for designing a workflow. At the top, there are two tabs: 'NotifyProcessAdministrators.workflow' and 'RestartCostCenterOwnerApproval.workflow'. A palette is open, displaying various BPMN symbols. The 'End' section is expanded, showing options: 'Start Event', 'Intermediate Message', 'Intermediate Timer', 'End Event' (which is highlighted with a green border), and 'Terminate End Event'. Below the palette, a partial workflow diagram is visible, showing a 'StartEvent1' followed by an 'ExclusiveGateway1'. A flow arrow labeled 'Flow' points from the gateway to a 'ServiceTask1' box. The diagram is labeled with 'S' at the start and 'E' at the end.</p>

Explanation	Screenshot
20. Drag and drop <b>EndEvent</b> above the <b>ExclusiveGateway1</b> .	 <p>The screenshot shows a BPMN diagram with the following elements: StartEvent1 (a circle), ExclusiveGateway1 (a diamond with an 'X'), ServiceTask1 (a rounded rectangle), and EndEvent3 (a circle). A sequence flow connects StartEvent1 to ExclusiveGateway1, and another connects ExclusiveGateway1 to ServiceTask1. EndEvent3 is positioned above ExclusiveGateway1. A toolbar with various icons is visible at the bottom of the diagram area.</p>
21. Select <b>ExclusiveGateway1</b> and update Name. <b>Name:</b> Valid Workflow Instance	 <p>The screenshot shows the same BPMN diagram as in the previous step, but with the Exclusive Gateway Properties panel open on the right. The panel has a tab labeled 'Exclusive Gateway Properties'. Under the 'ID' section, the value is 'exclusivegateway1'. Under the 'Name' section, the value is 'Valid Workflow Instance'. The 'Documentation' section is empty. The diagram area shows StartEvent1, ExclusiveGateway1 (now labeled 'V'), ServiceTask1, and EndEvent3. A sequence flow connects StartEvent1 to ExclusiveGateway1, and another connects ExclusiveGateway1 to ServiceTask1. EndEvent3 is positioned above ExclusiveGateway1. A toolbar with various icons is visible at the bottom of the diagram area.</p>

Explanation	Screenshot
<p>22. Select <b>Sequence Flow</b> between <b>Exclusive Gateway</b> and <b>ServiceTask1</b>.</p> <p>23. Update <b>Name</b> as Valid.</p> <p>24. <b>Check</b> the <b>Default</b> check box.</p>	 <p>The screenshot shows a BPMN diagram with a StartEvent1, an Exclusive Gateway, a ServiceTask1, and an EndEvent3. A sequence flow labeled 'Valid' connects the gateway to the task. The 'Sequence Flow Properties' panel on the right is open, showing the ID 'sequenceflow2', the Name 'Valid', and the 'Default' checkbox checked.</p>
<p>25. Select <b>Sequence Flow</b> between <b>Exclusive Gateway</b> (Valid Workflow Instance) and <b>End Event3</b>.</p> <p>26. Update the <b>Name</b> as <b>Invalid</b></p> <p>27. Set the <b>Condition</b> as</p> <pre><code>\${context.CostCenterOwnerApprovalID == null    context.CostCenterOwnerApprovalID == "" }</code></pre>	 <p>The screenshot shows the same BPMN diagram. A second sequence flow labeled 'Invalid' connects the Exclusive Gateway to EndEvent3. The 'Sequence Flow Properties' panel on the right is open, showing the ID 'sequenceflow10', the Name 'Invalid', and a condition expression: <code>\${context.CostCenterOwnerApprovalID == null    context.CostCenterOwnerApprovalID == "" }</code>.</p>
<p>28. Select Service Task <b>ServiceTask1</b>.</p> <p>29. Under <b>GENERAL</b> tab update Name.</p> <p><b>Name:</b> Get Workflow Details</p>	 <p>The screenshot shows the BPMN diagram with an additional ServiceTask2 and UserTask3. The 'Service Task Properties' panel on the right is open for 'servicetask1', showing the Name 'Get Workflow Details'.</p>

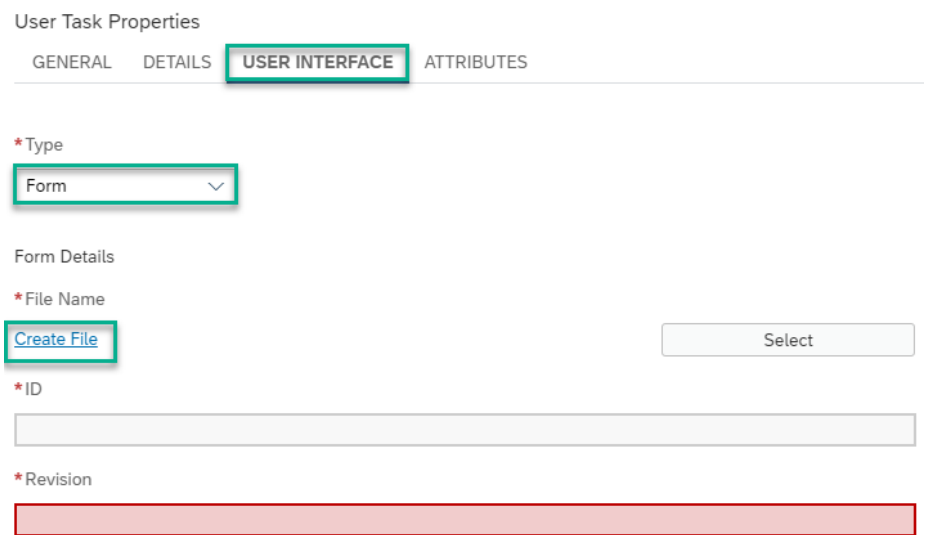
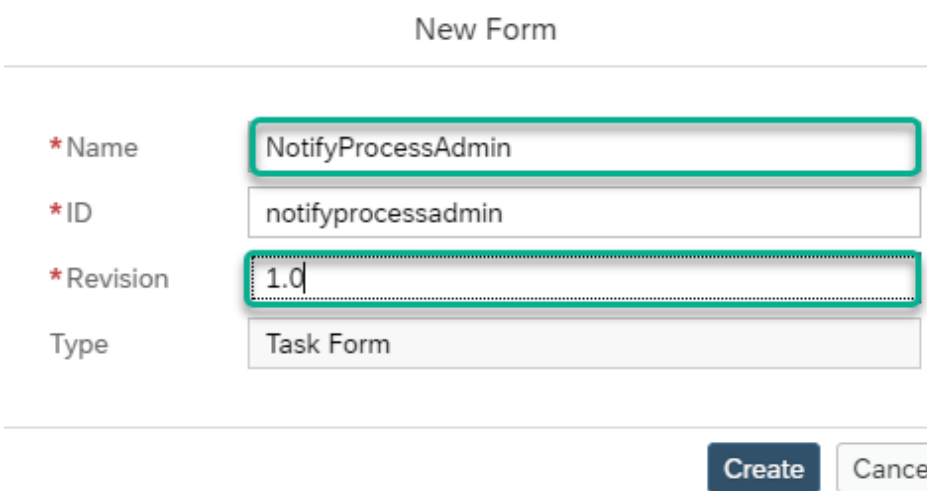
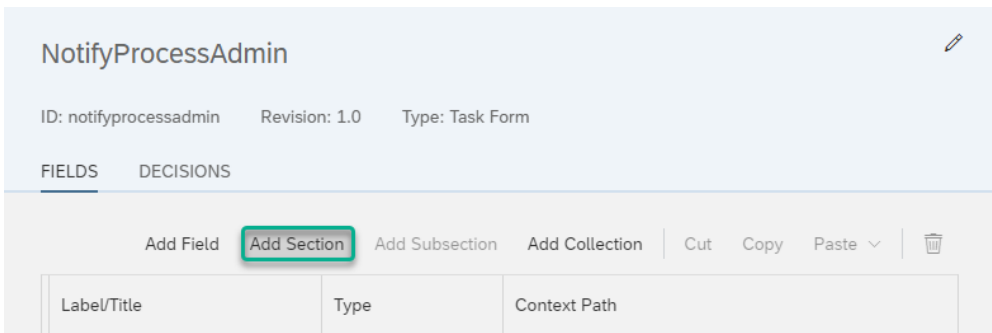
Explanation	Screenshot
<div>30. Select <b>DETAILS</b> tab.</div> <div>31. Set the following Service Task Properties.</div> <div><b>Destination:</b> WorkflowOAuth2ClientCredentials</div> <div><b>Path:</b> /v1/workflow-instances/\${context.CostCenterOwnerApprovalID}</div> <div><b>HTTP Method:</b> GET</div> <div><b>Response Variable:</b> \${context.WorkflowInstanceDetail}</div>	<div><div>Service Task Properties</div><div><div>GENERAL</div><div>DETAILS</div></div><div><div>* Destination</div><div>WorkflowOAuth2ClientCredentials</div></div><div><div>* Choose a Service from</div><div>Others</div></div><div><div>Path</div><div>/v1/workflow-instances/\${context.CostCenterOwnerApprovalID}</div></div><div><div>* HTTP Method</div><div>GET</div></div><div><div>Response Variable</div><div>\${context.WorkflowInstanceDetail}</div></div><div><div><input type="checkbox"/> Principal Propagation</div></div></div>

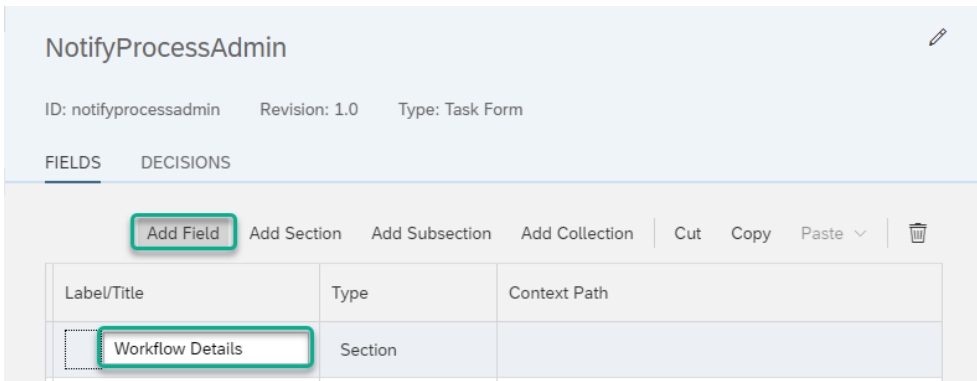
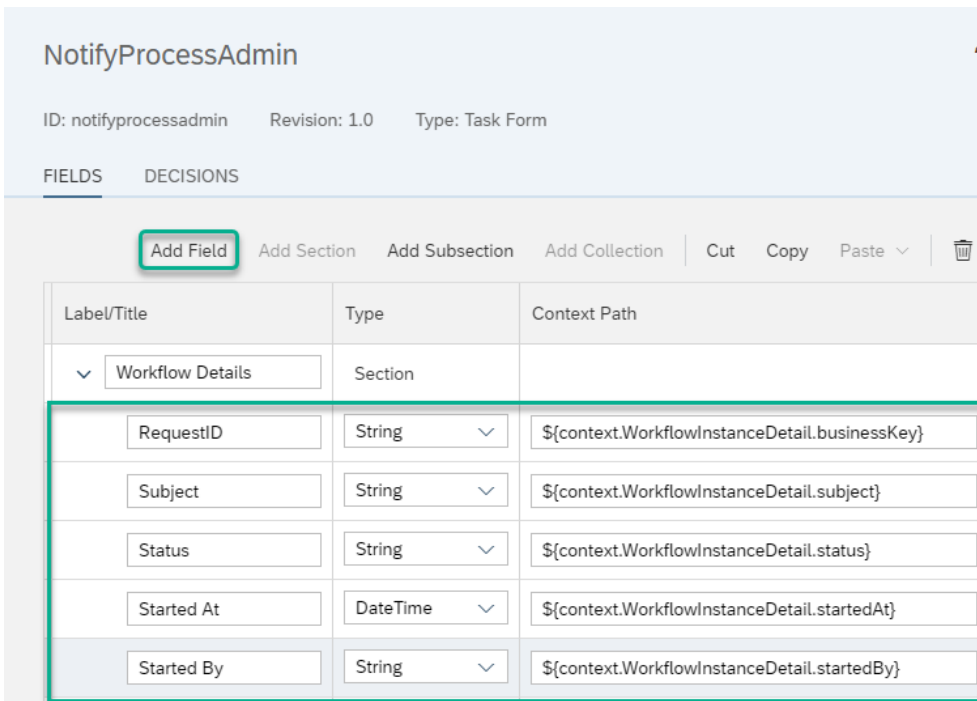
Explanation	Screenshot
<p>33. Select <b>Sequence Flow</b> between <b>Exclusive Gateway</b> (Sub Status) and <b>UserTask1</b> and update Name.</p> <p><b>Name:</b> Overdue or Risk</p> <p>34. Check the <b>Default</b> check box.</p>	
<p>35. Select <b>Sequence Flow</b> between <b>Exclusive Gateway</b> (Sub Status) and <b>ServiceTask2</b>.</p> <p><b>Name:</b> Failed or Suspended <b>Condition:</b> \${context.WorkflowInstanceDetail.status=="ERROR"    context.WorkflowInstanceDetail.status=="SUSPENDED"}</p>	
<p>36. Select <b>ServiceTask2</b> and update Name.</p> <p><b>Name:</b> Get Error</p>	

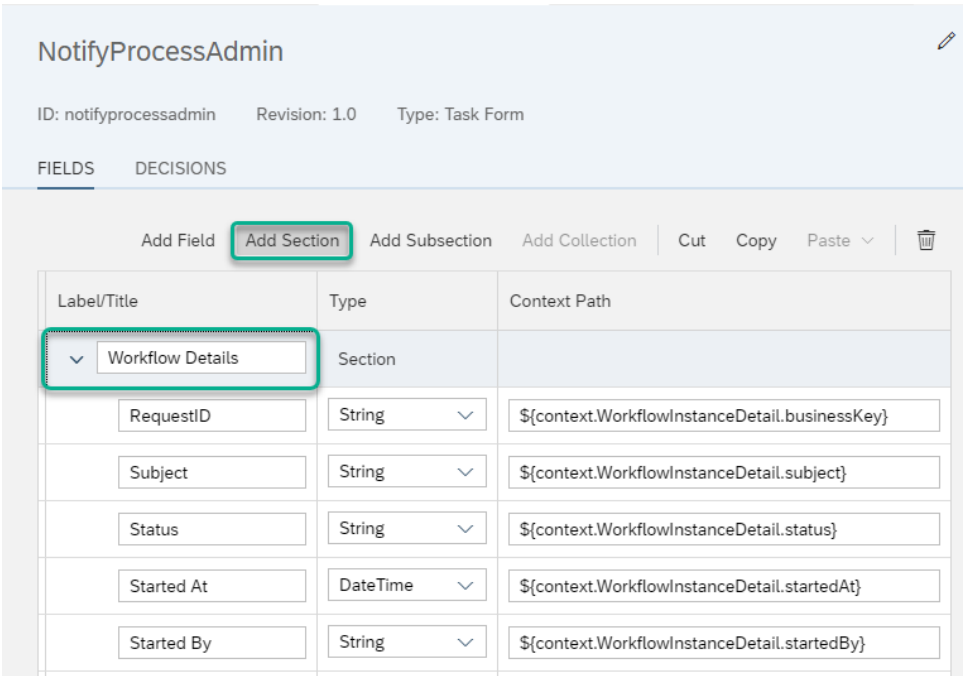
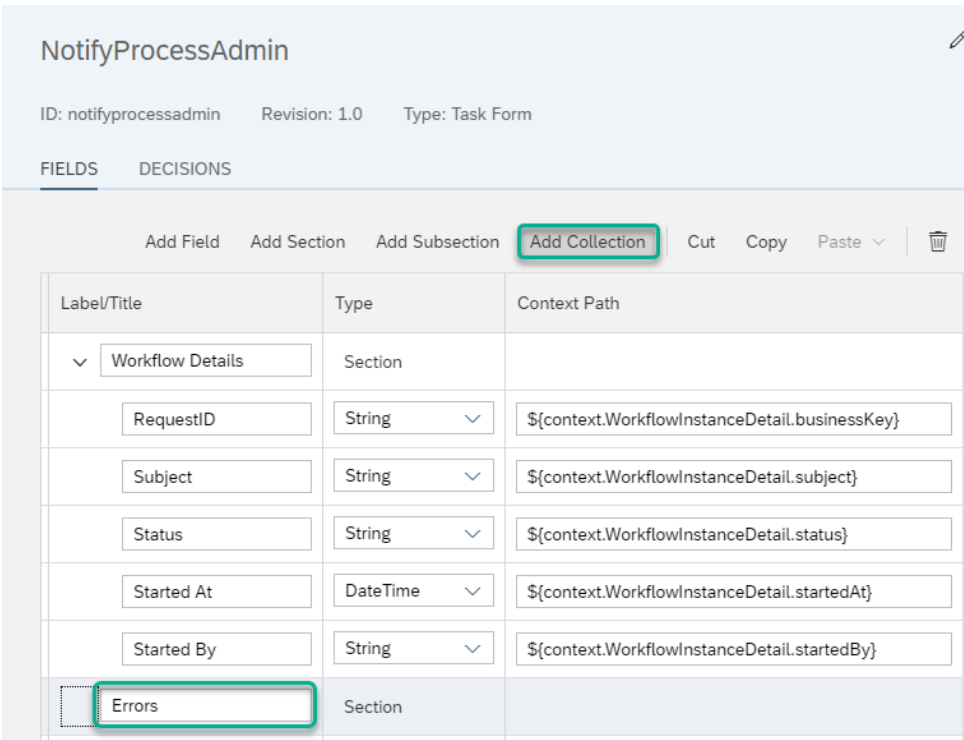
Explanation	Screenshot
<div>37. Select <b>DETAILS</b> tab.</div> <div>38. Set the following Service Task Properties.</div> <div><b>Destination:</b> WorkflowOAuth2ClientCredentials</div> <div><b>Path:</b> /v1/workflow-instances/\${context.CostCenterOwnerApprovalID}/error-messages</div> <div><b>HTTP Method:</b> GET</div> <div><b>Response Variable:</b> \${context.WorkflowInstanceDetail.ErrorMessage}</div>	<div><div>Service Task Properties</div><div><div>GENERALDETAILS</div></div><div><div>* Destination</div><div>WorkflowOAuth2ClientCredentials</div></div><div><div>* Choose a Service from</div><div>Others</div></div><div><div>Path</div><div>/v1/workflow-instances/\${context.CostCenterOwnerApprovalID}/error-messages</div></div><div><div>* HTTP Method</div><div>GET</div></div><div><div>Response Variable</div><div>\${context.WorkflowInstanceDetail.ErrorMessage}</div></div><div><div><input type="checkbox"/> Principal Propagation</div></div></div>

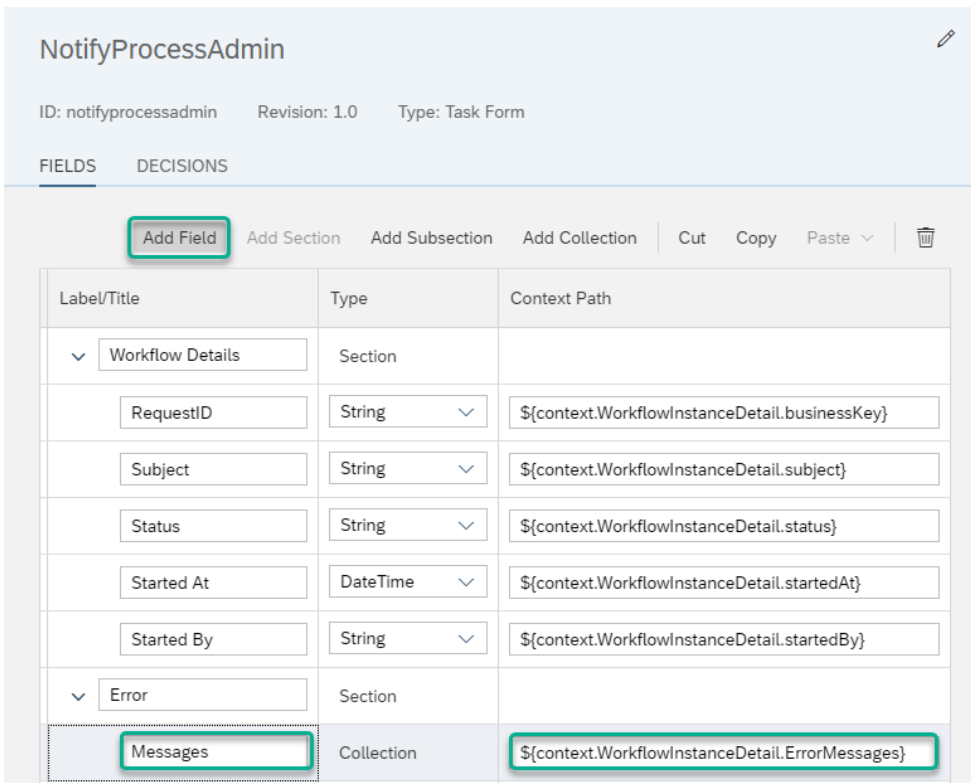
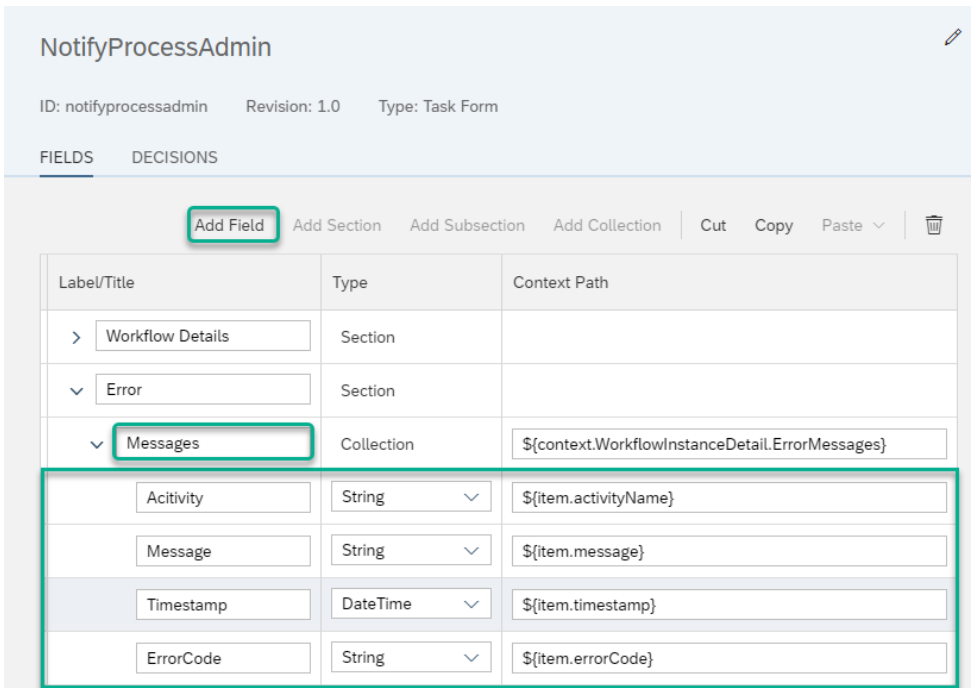
Explanation	Screenshot
<p>40. Select <b>DETAILS</b> tab and set the following User Task properties.</p> <p><b>Priority:</b> High</p> <p><b>Subject:</b> Workflow Instance \${context.CostCenterOwnerApprovalID} failed or suspended</p> <p><b>Users:</b> your Business Technology Platform trial user id (email id)</p>	<p>User Task Properties</p> <p>GENERAL DETAILS USER INTERFACE ATTRIBUTES</p> <p>* Priority</p> <p>High</p> <p>Display Texts</p> <p>* Subject</p> <p>Workflow Instance \${context.CostCenterOwnerApprovalID} failed or suspended</p> <p>Description</p> <p>Recipients</p> <p>Users</p> <p>Groups</p> <p>Due Date</p> <p><input type="checkbox"/> Configure Due Date</p>

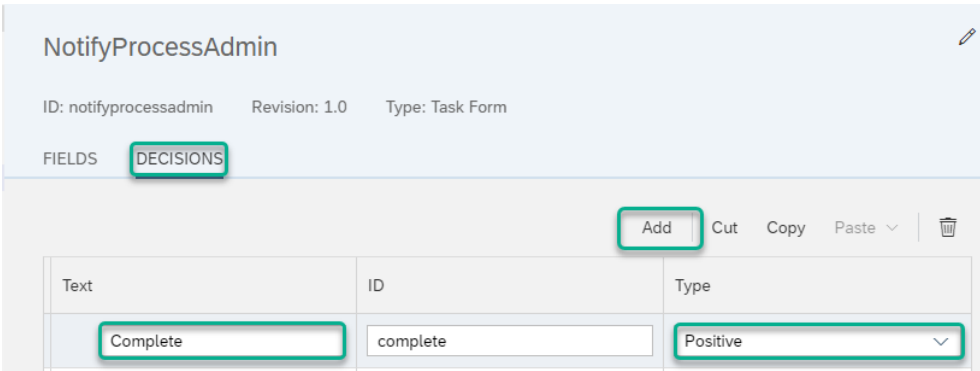
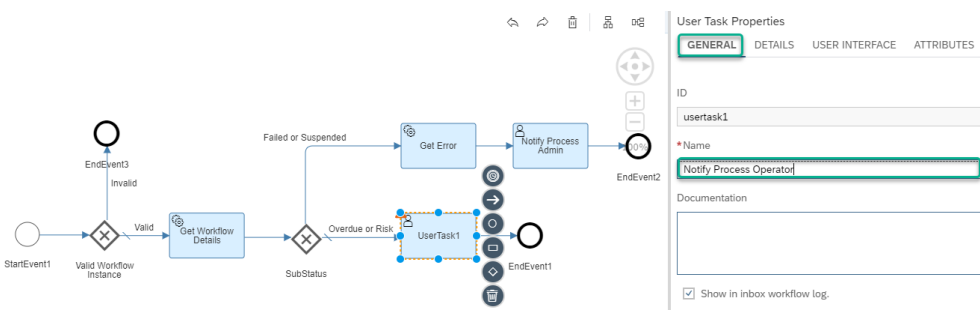


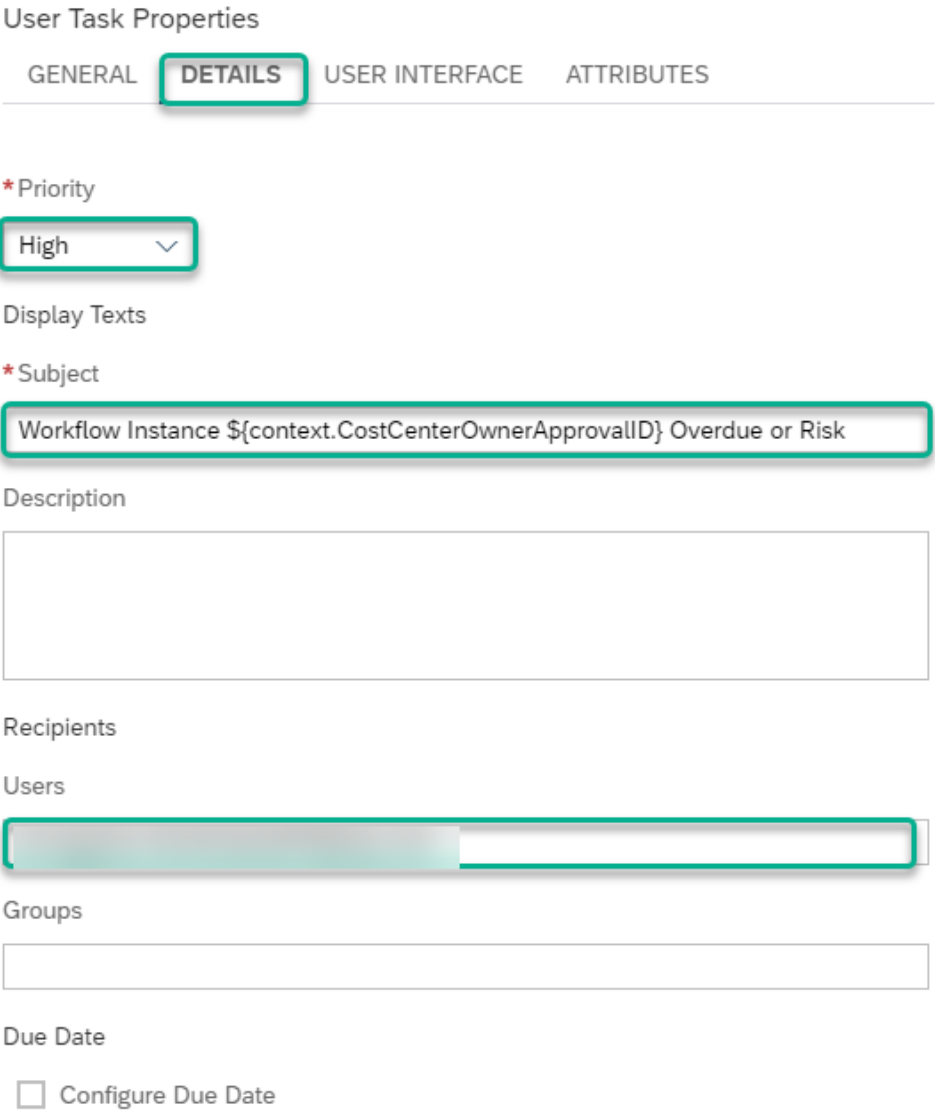
Explanation	Screenshot						
<p>41. Select <b>USER INTERFACE</b> section.</p> <p>42. Change the type as <b>Form</b>.</p> <p>43. Click the link <b>Create File</b>.</p> <p>44. A popup window is available now to enter the Form details.</p>	 <p>User Task Properties</p> <p>GENERAL DETAILS <b>USER INTERFACE</b> ATTRIBUTES</p> <p>*Type Form</p> <p>Form Details</p> <p>* File Name <a href="#">Create File</a> <span>Select</span></p> <p>* ID <input type="text"/></p> <p>* Revision <input type="text"/></p>						
<p>45. Set the following.</p> <p><b>Name:</b> NotifyProcessAdmin <b>Revision:</b> 1.0</p> <p>46. Click <b>Create</b> button.</p>	 <p>New Form</p> <p>* Name NotifyProcessAdmin</p> <p>* ID notifyprocessadmin</p> <p>* Revision 1.0</p> <p>Type Task Form</p> <p><b>Create</b> <span>Cancel</span></p>						
<p>47. Click Add <b>Section</b>.</p>	 <p>NotifyProcessAdmin</p> <p>ID: notifyprocessadmin Revision: 1.0 Type: Task Form</p> <p>FIELDS DECISIONS</p> <p>Add Field <b>Add Section</b> Add Subsection Add Collection Cut Copy Paste <span>▼</span> <span>🗑️</span></p> <table><thead><tr><th>Label/Title</th><th>Type</th><th>Context Path</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Label/Title	Type	Context Path			
Label/Title	Type	Context Path					

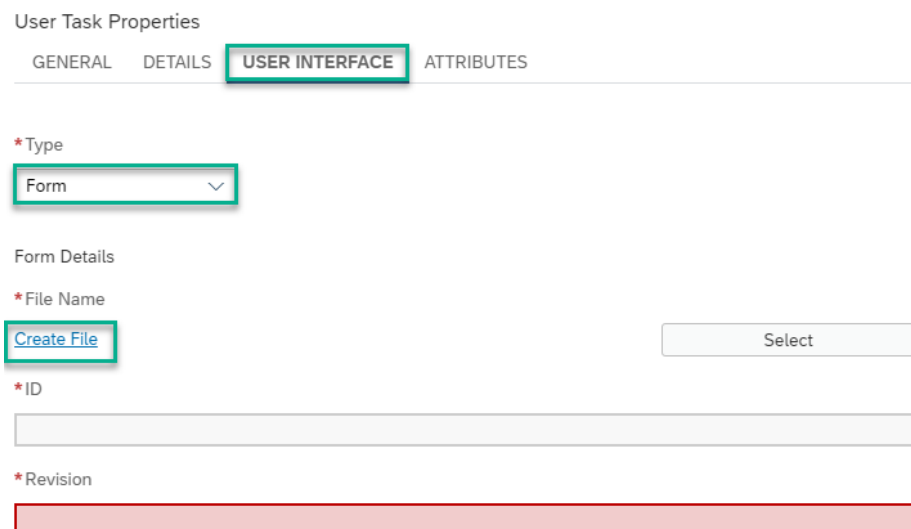
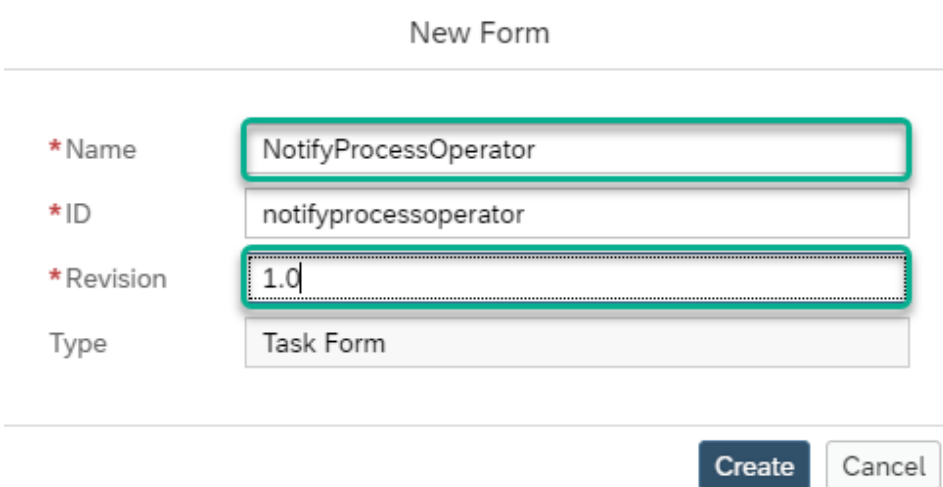
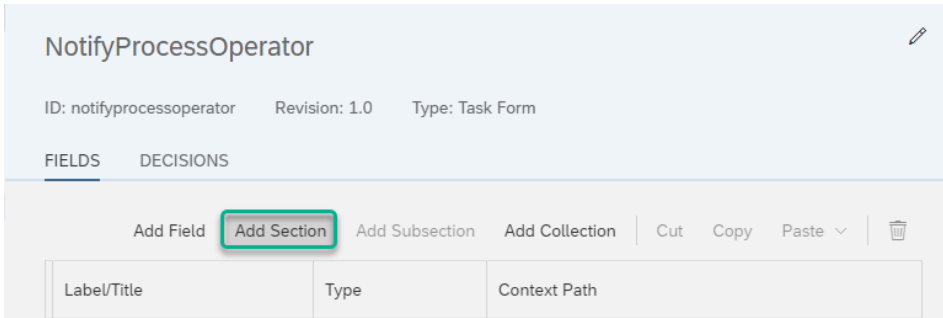
Explanation	Screenshot																																				
<div>48. Update the <b>Label/Title</b> of the new Section as <b>Workflow Details</b>.</div> <div>49. Click <b>Add Field</b>.</div>	 <p>The screenshot shows the 'NotifyProcessAdmin' form editor. At the top, it displays 'ID: notifyprocessadmin', 'Revision: 1.0', and 'Type: Task Form'. Below this are tabs for 'FIELDS' and 'DECISIONS'. A toolbar contains buttons for 'Add Field', 'Add Section', 'Add Subsection', 'Add Collection', and actions like 'Cut', 'Copy', 'Paste', and a trash icon. A table lists existing fields with columns 'Label/Title', 'Type', and 'Context Path'. A new section named 'Workflow Details' is being added, with its type set to 'Section'.</p>																																				
<div>50. Add five fields and update the Label/Title, Type and Context Path as given below.</div> <div>Please copy the Context Path from the attached file <a href="#">NotifyProcessAdminTask</a>.</div> <table><tr><th>Label</th><th>Type</th><th>Context Path</th></tr><tr><td>RequestID</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.businessKey}</code></td></tr><tr><td>Subject</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.subject}</code></td></tr><tr><td>Status</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.status}</code></td></tr><tr><td>Started At</td><td>DateTime</td><td><code>\${context.WorkflowInstanceDetail.startedAt}</code></td></tr><tr><td>Started By</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.startedBy}</code></td></tr></table>	Label	Type	Context Path	RequestID	String	<code>\${context.WorkflowInstanceDetail.businessKey}</code>	Subject	String	<code>\${context.WorkflowInstanceDetail.subject}</code>	Status	String	<code>\${context.WorkflowInstanceDetail.status}</code>	Started At	DateTime	<code>\${context.WorkflowInstanceDetail.startedAt}</code>	Started By	String	<code>\${context.WorkflowInstanceDetail.startedBy}</code>	 <p>This screenshot shows the same form editor after adding five fields. The 'Workflow Details' section is expanded, revealing a table of fields. Each field has a 'Label/Title', a 'Type' (selected from a dropdown), and a 'Context Path'.</p> <table><tr><th>Label/Title</th><th>Type</th><th>Context Path</th></tr><tr><td>RequestID</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.businessKey}</code></td></tr><tr><td>Subject</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.subject}</code></td></tr><tr><td>Status</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.status}</code></td></tr><tr><td>Started At</td><td>DateTime</td><td><code>\${context.WorkflowInstanceDetail.startedAt}</code></td></tr><tr><td>Started By</td><td>String</td><td><code>\${context.WorkflowInstanceDetail.startedBy}</code></td></tr></table>	Label/Title	Type	Context Path	RequestID	String	<code>\${context.WorkflowInstanceDetail.businessKey}</code>	Subject	String	<code>\${context.WorkflowInstanceDetail.subject}</code>	Status	String	<code>\${context.WorkflowInstanceDetail.status}</code>	Started At	DateTime	<code>\${context.WorkflowInstanceDetail.startedAt}</code>	Started By	String	<code>\${context.WorkflowInstanceDetail.startedBy}</code>
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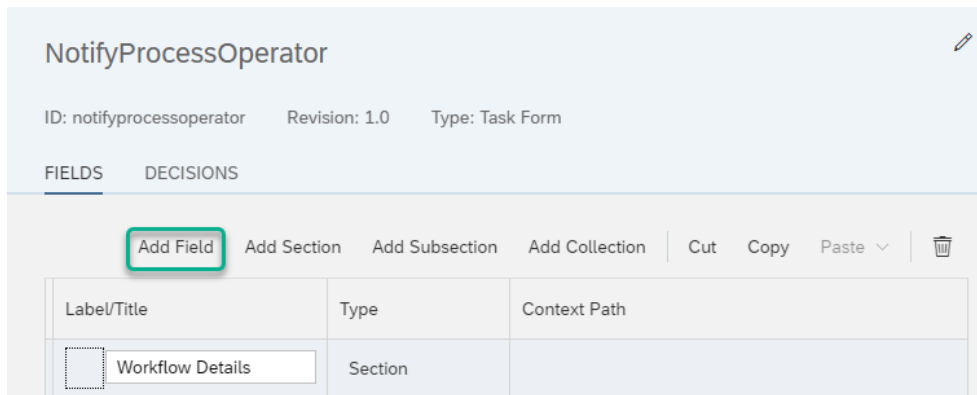
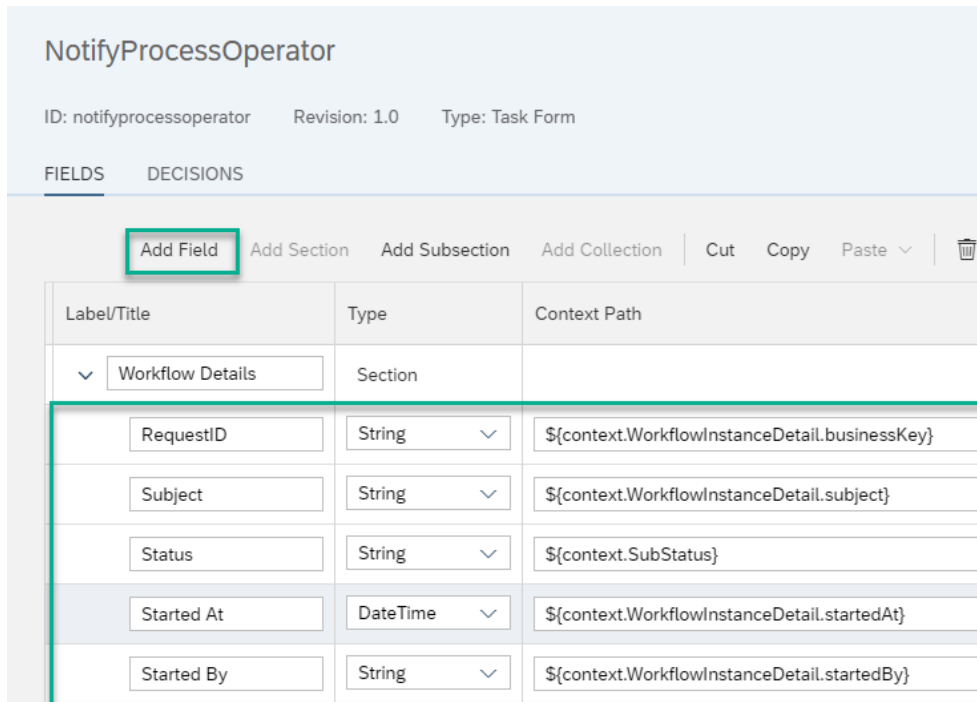
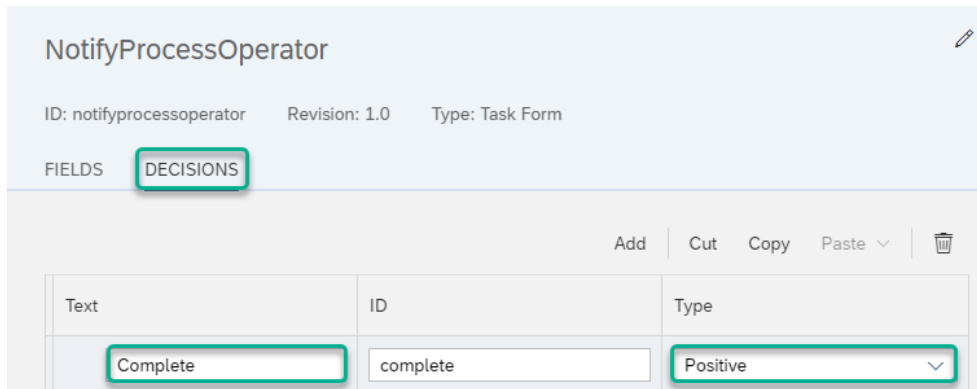
Explanation	Screenshot
51. Select section <b>Workflow Details</b> and Click <b>Add Section</b> .	 <p>The screenshot shows the 'NotifyProcessAdmin' form editor. The top toolbar contains buttons for 'Add Field', 'Add Section' (highlighted with a red box), 'Add Subsection', 'Add Collection', 'Cut', 'Copy', 'Paste', and a trash icon. Below the toolbar is a table with three columns: 'Label/Title', 'Type', and 'Context Path'. The table contains a section named 'Workflow Details' (highlighted with a red box) and five fields: 'RequestID', 'Subject', 'Status', 'Started At', and 'Started By'. Each field has a 'String' or 'DateTime' type and a corresponding context path.</p>
52. Update the Section <b>Label/Title</b> as <b>Errors</b> .	
53. Click <b>Add Collection</b> .	 <p>The screenshot shows the 'NotifyProcessAdmin' form editor. The top toolbar contains buttons for 'Add Field', 'Add Section', 'Add Subsection', 'Add Collection' (highlighted with a red box), 'Cut', 'Copy', 'Paste', and a trash icon. Below the toolbar is a table with three columns: 'Label/Title', 'Type', and 'Context Path'. The table contains a section named 'Workflow Details' and five fields: 'RequestID', 'Subject', 'Status', 'Started At', and 'Started By'. A new section named 'Errors' (highlighted with a red box) has been added to the table.</p>

Explanation	Screenshot															
<div>54. Update the <b>Label/Title</b> of the Collection as <b>Messages</b>.</div> <div>55. Update the <b>Context Path</b> as <code>\${context.WorkflowInstanceDetail.ErrorMessage}</code></div> <div>56. Click <b>Add Field</b>.</div>	 <p>The screenshot shows the 'NotifyProcessAdmin' form editor. The 'Messages' collection is highlighted, and its context path is updated to <code>\${context.WorkflowInstanceDetail.ErrorMessage}</code>. The 'Add Field' button is also highlighted.</p>															
<div>57. Add four <b>Fields</b> under the Collection <b>Messages</b>.</div> <div>58. Update the <b>Label/Title</b>, <b>Type</b> and <b>Context path</b> of the new fields as given below.</div> <div>Please copy the Context Path from the attached file <a href="#">NotifyProcessAdminTask</a>.</div> <table><tr><th>Label</th><th>Type</th><th>Context Path</th></tr><tr><td>Activity</td><td>String</td><td><code>\${item.activityName}</code></td></tr><tr><td>Message</td><td>String</td><td><code>\${item.message}</code></td></tr><tr><td>Time Stamp</td><td>Date Time</td><td><code>\${item.timestamp}</code></td></tr><tr><td>Error Code</td><td>String</td><td><code>\${item.errorCode}</code></td></tr></table>	Label	Type	Context Path	Activity	String	<code>\${item.activityName}</code>	Message	String	<code>\${item.message}</code>	Time Stamp	Date Time	<code>\${item.timestamp}</code>	Error Code	String	<code>\${item.errorCode}</code>	 <p>The screenshot shows the 'NotifyProcessAdmin' form editor. The 'Messages' collection is highlighted, and four new fields are added under it: 'Activity' (String), 'Message' (String), 'Timestamp' (Date Time), and 'Error Code' (String). The context paths for these fields are updated to <code>\${item.activityName}</code>, <code>\${item.message}</code>, <code>\${item.timestamp}</code>, and <code>\${item.errorCode}</code> respectively.</p>
Label	Type	Context Path														
Activity	String	<code>\${item.activityName}</code>														
Message	String	<code>\${item.message}</code>														
Time Stamp	Date Time	<code>\${item.timestamp}</code>														
Error Code	String	<code>\${item.errorCode}</code>														

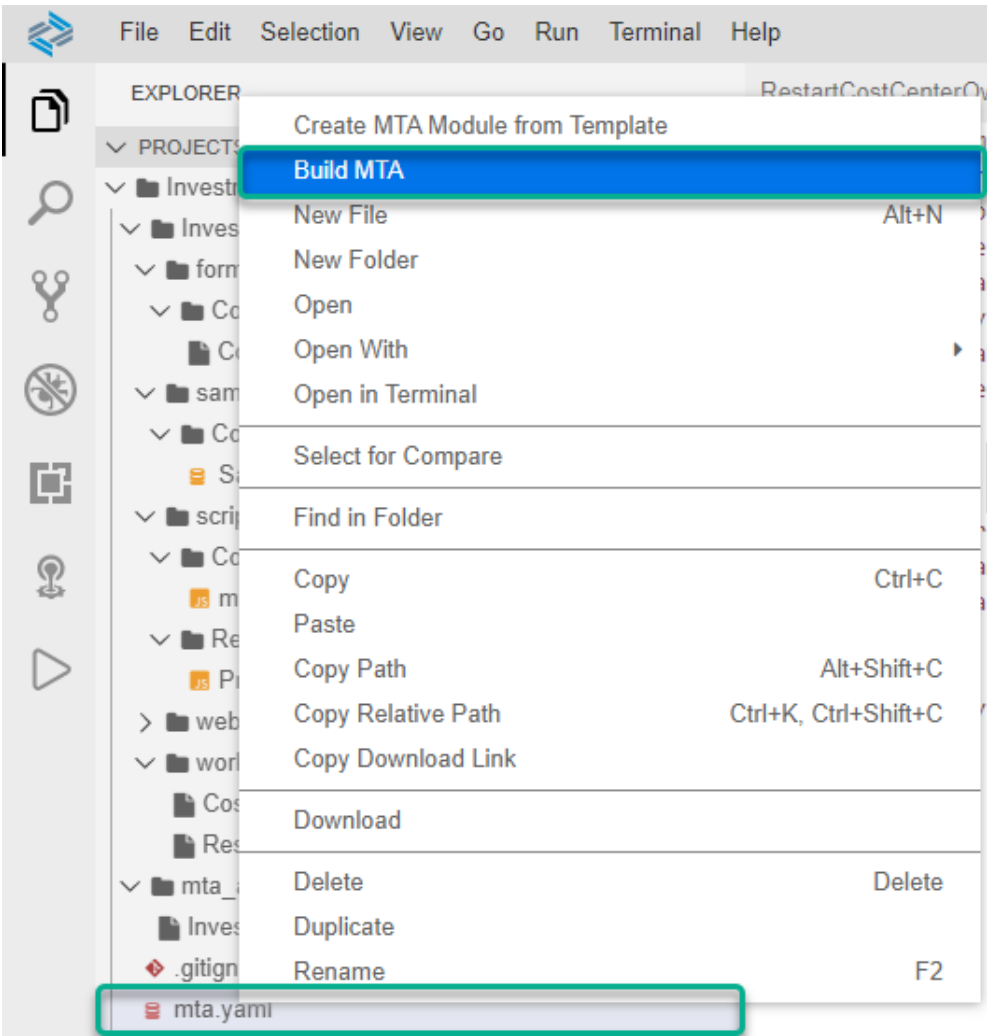
Explanation	Screenshot
<div>59. Click <b>DECISIONS</b>.</div> <div>60. Click Add to create a new decision.</div> <div>61. Update the <b>Text</b> and <b>Type</b>.</div> <div><b>Text:</b> Complete <b>Type:</b> Positive</div>	 <p>The screenshot shows the 'NotifyProcessAdmin' form. At the top, it displays 'ID: notifyprocessadmin', 'Revision: 1.0', and 'Type: Task Form'. Below this, there are two tabs: 'FIELDS' and 'DECISIONS'. The 'DECISIONS' tab is active and highlighted with a red box. In the top right corner of the 'DECISIONS' section, there is an 'Add' button, also highlighted with a red box. Below the 'Add' button, there is a table with three columns: 'Text', 'ID', and 'Type'. The 'Text' column contains the value 'Complete', the 'ID' column contains 'complete', and the 'Type' column has a dropdown menu set to 'Positive'. All three input fields are highlighted with red boxes.</p>
<div>62. Select <b>UserTask1</b>.</div> <div>63. Select <b>GENERAL</b> section of User Task Properties.</div> <div>64. Update <b>Name</b> as <b>Notify Process Operator</b>.</div>	 <p>The screenshot shows a BPMN diagram on the left and the 'User Task Properties' panel on the right. The BPMN diagram includes a start event 'StartEvent1', a task 'Valid Workflow Instance', a decision gateway, and a user task 'UserTask1'. The 'User Task Properties' panel is open, showing the 'GENERAL' tab. The 'ID' field is 'usertask1'. The 'Name' field is highlighted with a red box and contains the text 'Notify Process Operator'. The 'Show in inbox workflow log' checkbox is checked.</p>

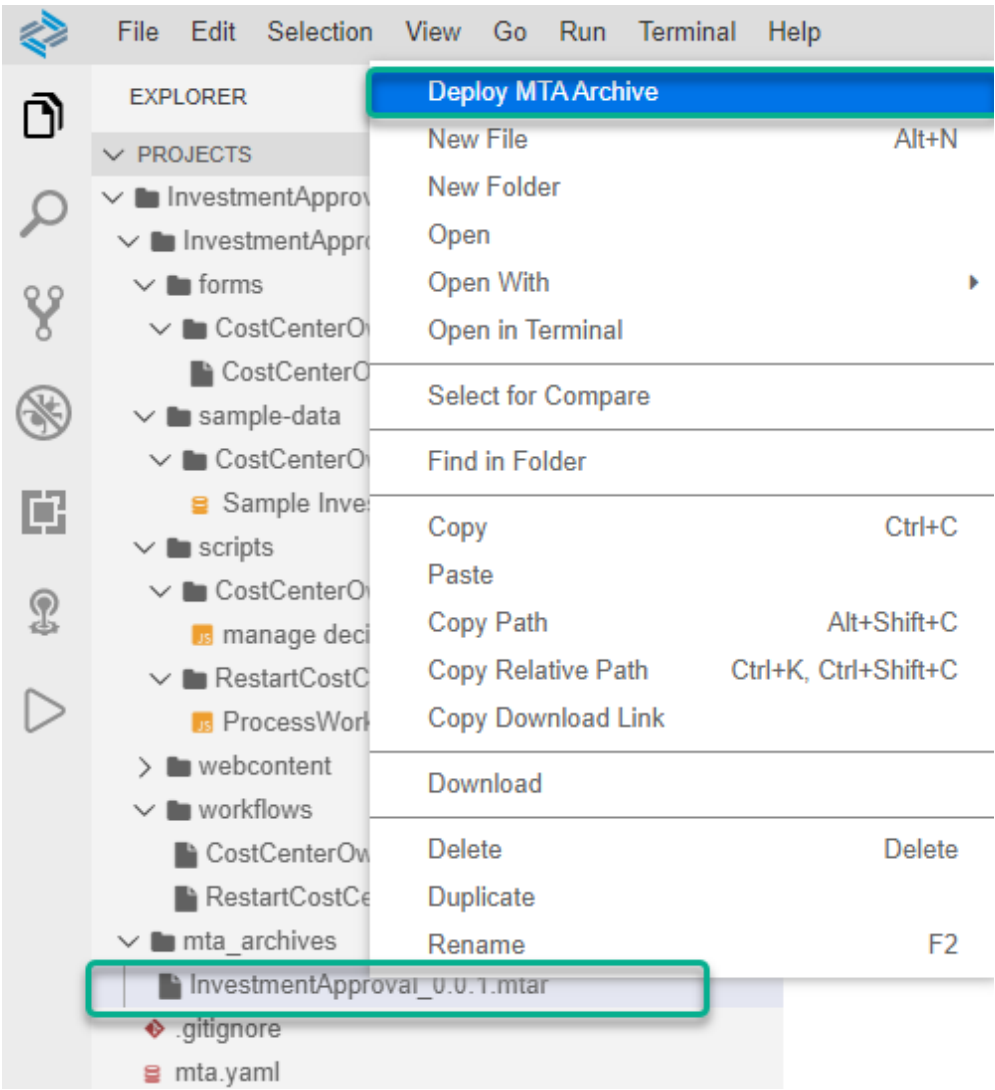
Explanation	Screenshot
<p>65. Select <b>DETAILS</b> tab and set the following User Task properties.</p> <p><b>Priority:</b> High</p> <p><b>Subject:</b> Workflow Instance \${context.CostCenterOwnerApprovalID} Overdue or Risk</p> <p>66. <b>Users:</b> your Business Technology Platform trial user id (email id)</p>	 <p>User Task Properties</p> <p>GENERAL <b>DETAILS</b> USER INTERFACE ATTRIBUTES</p> <p>* Priority</p> <p>High</p> <p>Display Texts</p> <p>* Subject</p> <p>Workflow Instance \${context.CostCenterOwnerApprovalID} Overdue or Risk</p> <p>Description</p> <p>Recipients</p> <p>Users</p> <p>Groups</p> <p>Due Date</p> <p><input type="checkbox"/> Configure Due Date</p>

Explanation	Screenshot						
<p>67. Select <b>USER INTERFACE</b> section.</p> <p>68. Change the type as <b>Form</b>.</p> <p>69. Click the link <b>Create File</b>.</p> <p>70. A popup window is available now to enter the Form details.</p>	 <p>User Task Properties</p> <p>GENERAL DETAILS <b>USER INTERFACE</b> ATTRIBUTES</p> <p>*Type Form</p> <p>Form Details</p> <p>* File Name <a href="#">Create File</a> <span>Select</span></p> <p>*ID <input type="text"/></p> <p>*Revision <input type="text"/></p>						
<p>71. Set the following.</p> <p><b>Name:</b> NotifyProcessOperator <b>Revision:</b> 1.0</p> <p>72. Click <b>Create</b> button.</p>	 <p>New Form</p> <p>* Name NotifyProcessOperator</p> <p>* ID notifyprocessoperator</p> <p>* Revision 1.0</p> <p>Type Task Form</p> <p><span>Create</span> <span>Cancel</span></p>						
<p>73. Click <b>Add Section</b>.</p>	 <p>NotifyProcessOperator</p> <p>ID: notifyprocessoperator Revision: 1.0 Type: Task Form</p> <p>FIELDS DECISIONS</p> <p>Add Field <b>Add Section</b> Add Subsection Add Collection Cut Copy Paste </p> <table><thead><tr><th>Label/Title</th><th>Type</th><th>Context Path</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr></tbody></table>	Label/Title	Type	Context Path			
Label/Title	Type	Context Path					

Explanation	Screenshot																		
<p>74. Update the <b>Label/Title</b> of the new section as <b>Workflow Details</b>.</p> <p>75. Click <b>Add Field</b>.</p>																			
<p>76. Add five Fields and update the <b>Label/Title, Type and Context Path</b> as given below.</p> <table><tr><th>Label</th><th>Type</th><th>Context Path</th></tr><tr><td>RequestID</td><td>String</td><td>\${context.WorkflowInstanceDetail.businessKey}</td></tr><tr><td>Subject</td><td>String</td><td>\${context.WorkflowInstanceDetail.subject}</td></tr><tr><td>Status</td><td>String</td><td>\${context.SubStatus}</td></tr><tr><td>Started At</td><td>DateTime</td><td>\${context.WorkflowInstanceDetail.startedAt}</td></tr><tr><td>Started By</td><td>String</td><td>\${context.WorkflowInstanceDetail.startedBy}</td></tr></table> <p>Please copy the Context Path from the attached file <a href="#">NotifyProcessOperatorTask</a>.</p>	Label	Type	Context Path	RequestID	String	\${context.WorkflowInstanceDetail.businessKey}	Subject	String	\${context.WorkflowInstanceDetail.subject}	Status	String	\${context.SubStatus}	Started At	DateTime	\${context.WorkflowInstanceDetail.startedAt}	Started By	String	\${context.WorkflowInstanceDetail.startedBy}	
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<p>77. Click <b>DECISIONS</b>.</p> <p>78. Click <b>Add</b> to create a new decision.</p> <p>79. Update the <b>Text</b> and <b>Type</b>.</p> <p><b>Text:</b> Complete <b>Type:</b> Positive</p>																			



Explanation	Screenshot
<p>80. Right click on <b>mta.yaml</b> file.</p> <p>81. Select <b>Build MTA</b>.</p> <p>82. This will start the MTA build and it may take a few seconds to create the mta archives under the folder <b>mta_archives</b>.</p>	 A screenshot of the Visual Studio Code interface. The Explorer sidebar on the left shows a project structure with folders like 'PROJECTS', 'Invest', 'form', 'Co', 'sam', 'Co', 'scri', 'Co', 'Re', 'web', 'wor', 'Cos', 'Res', 'mta_', 'Inves', and '.gitign'. The file 'mta.yaml' is selected at the bottom of the list. A right-click context menu is open over 'mta.yaml', listing various actions. The 'Build MTA' option is highlighted with a blue background. Other options include 'Create MTA Module from Template', 'New File', 'New Folder', 'Open', 'Open With', 'Open in Terminal', 'Select for Compare', 'Find in Folder', 'Copy', 'Paste', 'Copy Path', 'Copy Relative Path', 'Copy Download Link', 'Download', 'Delete', 'Duplicate', and 'Rename'. The main editor area shows a menu bar with 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', 'Terminal', and 'Help'. The file 'RestartCostCenterOy' is partially visible in the background.

Explanation	Screenshot
<div>83. Successful build will update the .mtar file and show message in the build logs.</div> <div>84. Select the .mtar file and right click.</div> <div>85. Click <b>Deploy MTA Archive</b>.</div>	
<div>86. Successful deployment will show the log.</div>	<div><div>ProblemsTask: Deploy MTA Archive x</div><div>Uploading 1 files... /home/user/projects/InvestmentApproval/mta_archives/InvestmentApproval_0.0.1.mtar OK Operation ID: c443e49b-318f-11eb-a634-eeee0a8b72e6 Deploying in org "DEV264" and space "dev" Detected MTA schema version: "3" No deployed MTA detected - this is initial deployment Detected new MTA version: "0.0.1" Processing service "workflow_mta"... Creating service "workflow_mta" from MTA resource "workflow_mta"... 1 of 1 done Creating service key "InvestmentApprovalWorkflow-workflow_mta-credentials" for service "workflow_mta"... Uploading content module "InvestmentApprovalWorkflow" in target service "workflow_mta"... Deploying content module "InvestmentApprovalWorkflow" in target service "workflow_mta"... Skipping deletion of services, because the command line option "--delete-services" is not specified. Process finished. Use "cf dmo1 -i c443e49b-318f-11eb-a634-eeee0a8b72e6" to download the logs of the process.</div><div>Terminal will be reused by tasks.</div></div>

## **SUMMARY**

You have modeled an action workflow and successfully deployed in your SAP Business Technology Platform trial account. In the next hands on guide, you will consume this workflow to configure an action in SAP Business Technology Platform Process Visibility.



[www.sap.com/contactsap](http://www.sap.com/contactsap)

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