

Creation of Workflow in adempiere:

Workflow:

The automation of a business process, in whole or parts, where documents, information or tasks are passed from one participant to another to be processed, according to a set of procedural rules

Workflow management system as answering the question

”who must do what, when and how”

Steps for creating Workflow in adempiere:

1. Go to System Admin → General Rules → Workflow

Workflow window will open press the new button and create the new workflow.

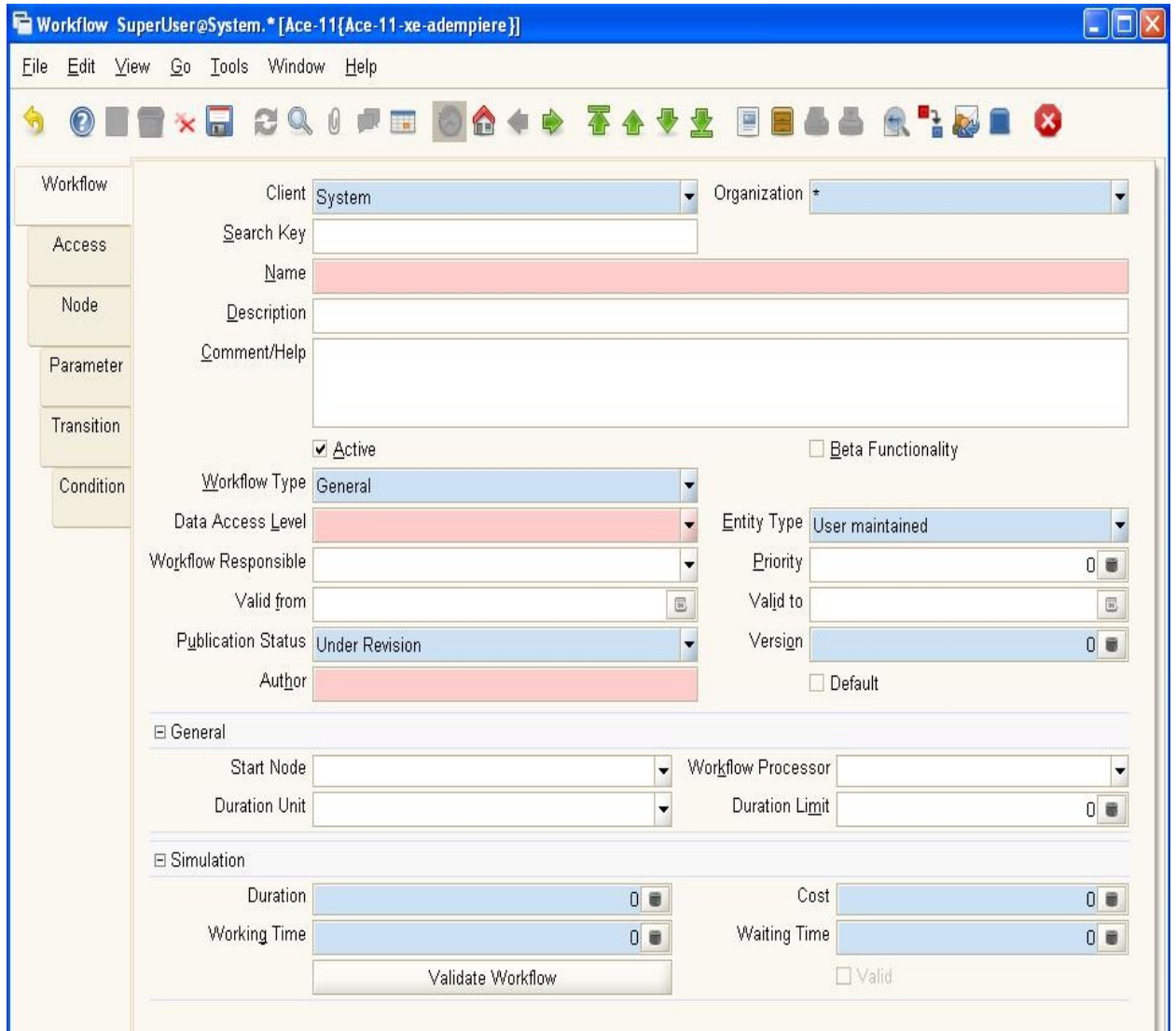


Fig: Workflow window

Choose name as what you want, Set data access level as client + organization.

The main thing for creation of workflow in adempiere is Workflow Type. Choose the workflow type as per your need.

If you want workflow for general means (step by step process) choose workflow type as general. The document value workflow is similar to the general workflow. The creation of general workflow is easy to create and implement in adempiere.

Now there are so many types, but document process is the most interesting one because it covers everything. Here we are going to see about document process workflow for Leave module in adempiere.

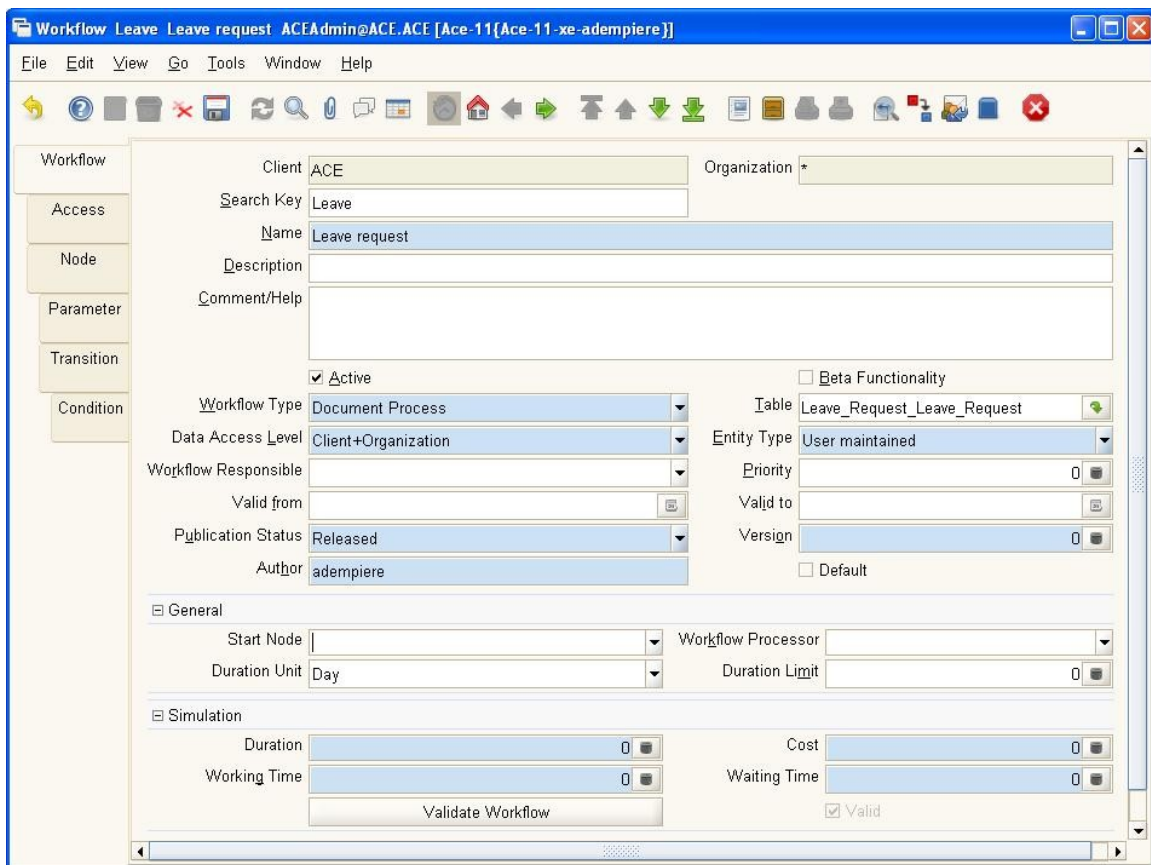


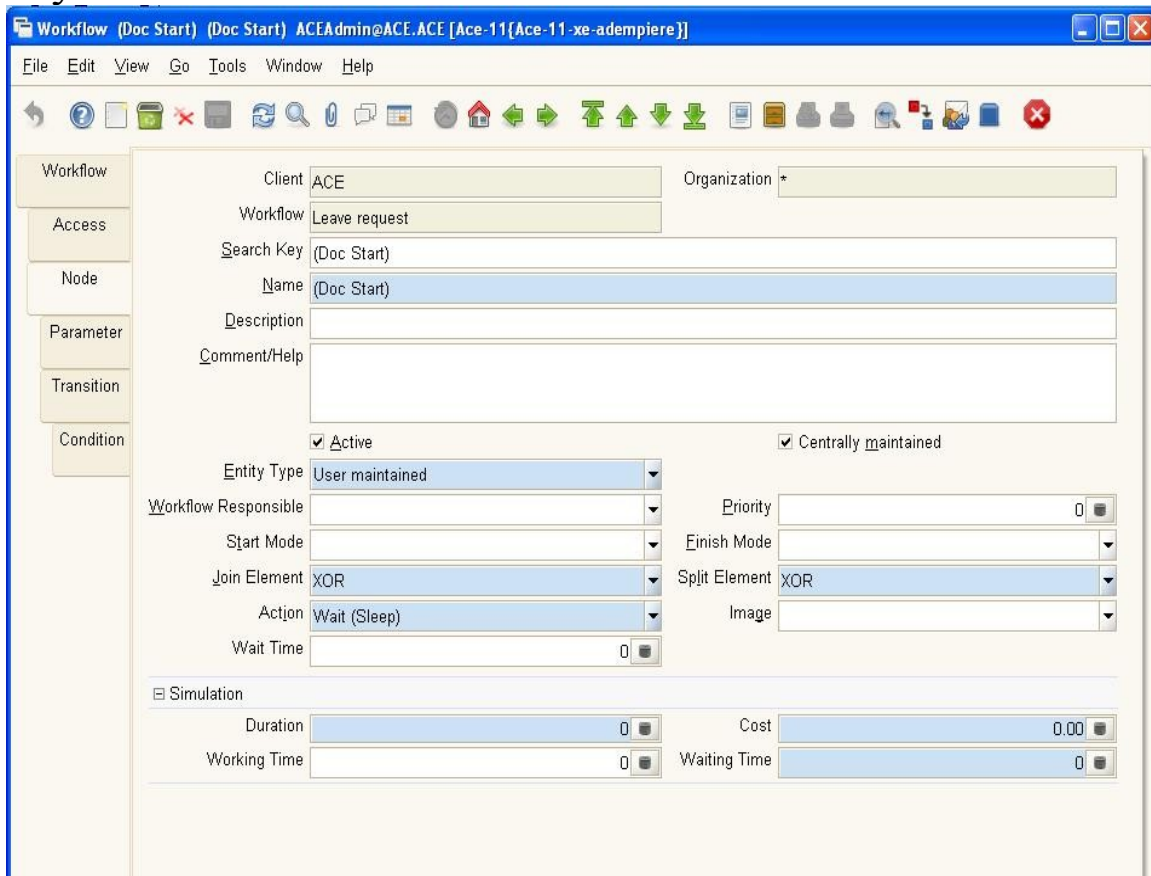
Fig: Document Process Workflow diagram

If you choose the workflow type as Document process means adempiere gives you a field to choose a table, choose the table that you created (leaves) then click save.

2. Then go to node tab and create the 3 standard nodes:

(Doc Start) (Doc Complete) (Doc Auto) and for each one choose action as document action and it will give you the list of these three choose the one that matches (complete, start wait, auto)

The (Doc Auto) is used if the first path fails; it uses the other path so we should always have the doc auto node in any workflow.



The screenshot shows the 'Workflow (Doc Start) (Doc Start) ACEAdmin@ACE.ACE [Ace-11 {Ace-11-xe-adempiere}]' window. The 'Node' tab is selected in the left sidebar. The main area displays the configuration for a node named '(Doc Start)'. The 'Client' is 'ACE' and the 'Organization' is '+'. The 'Workflow' is 'Leave request' and the 'Search Key' is '(Doc Start)'. The 'Name' is '(Doc Start)'. The 'Description' and 'Comment/Help' fields are empty. The 'Active' checkbox is checked, and 'Centrally maintained' is also checked. The 'Entity Type' is 'User maintained'. The 'Workflow Responsible' is empty. The 'Start Mode' is empty. The 'Join Element' is 'XOR'. The 'Action' is 'Wait (Sleep)'. The 'Wait Time' is '0'. The 'Priority' is '0'. The 'Finish Mode' is empty. The 'Split Element' is 'XOR'. The 'Image' is empty. The 'Simulation' section is expanded, showing 'Duration' as '0', 'Working Time' as '0', 'Cost' as '0.00', and 'Waiting Time' as '0'.

Fig: Standard Node creation

3. Then go to node tab and create a new node (manager1 Approval) and do the following steps for each node creation,
 choose join element: xor
 choose action: user choice
 choose column: is Approved (we must have this column in table if not in leave workflow ,then go to table and create this column and go back and choose it from the list after you refresh it) then save.

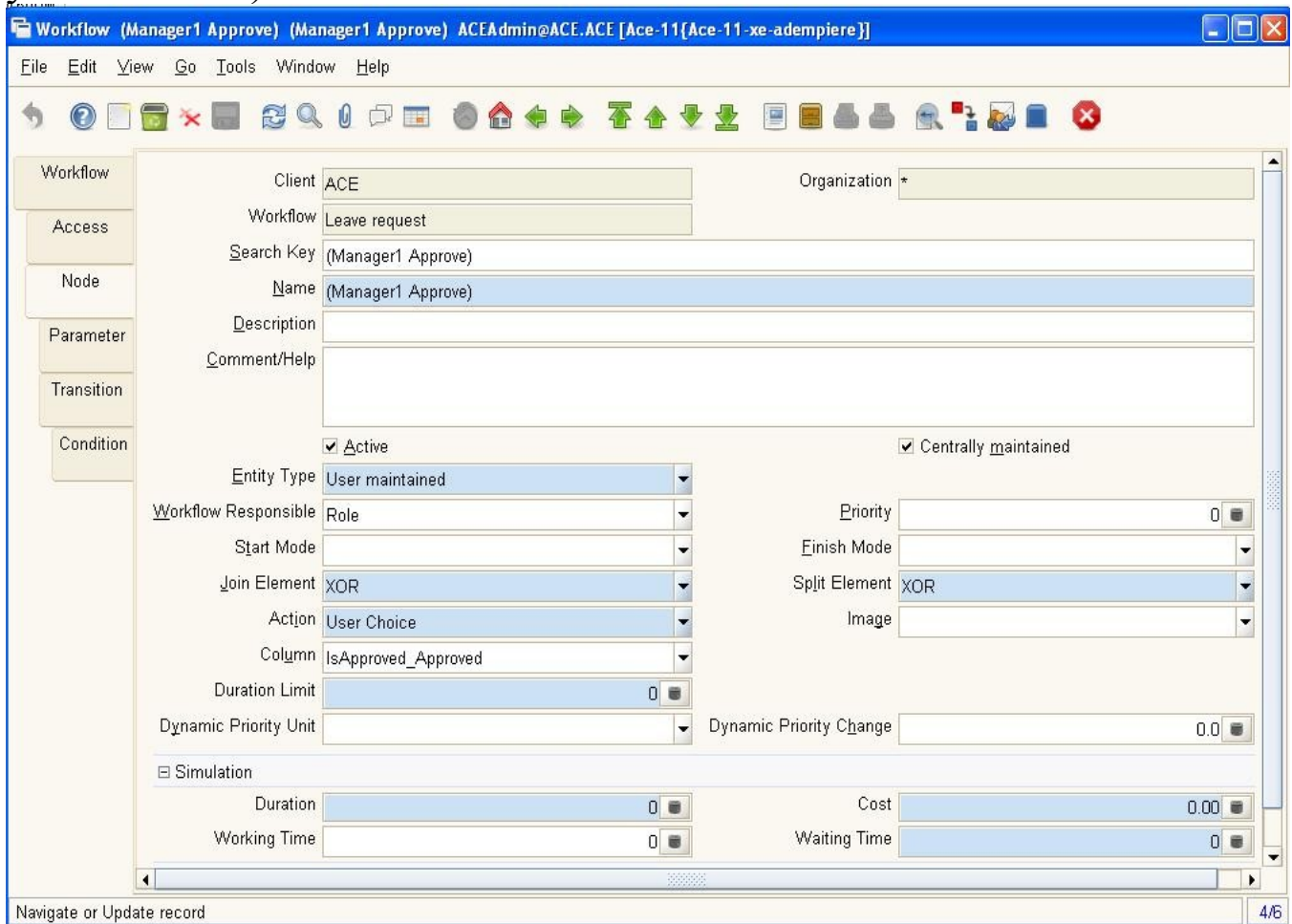


Fig: Creation of (Manager1 Approve) node

4. Then create a new node call it (manager2 approval) and (final approval) do the same as above.

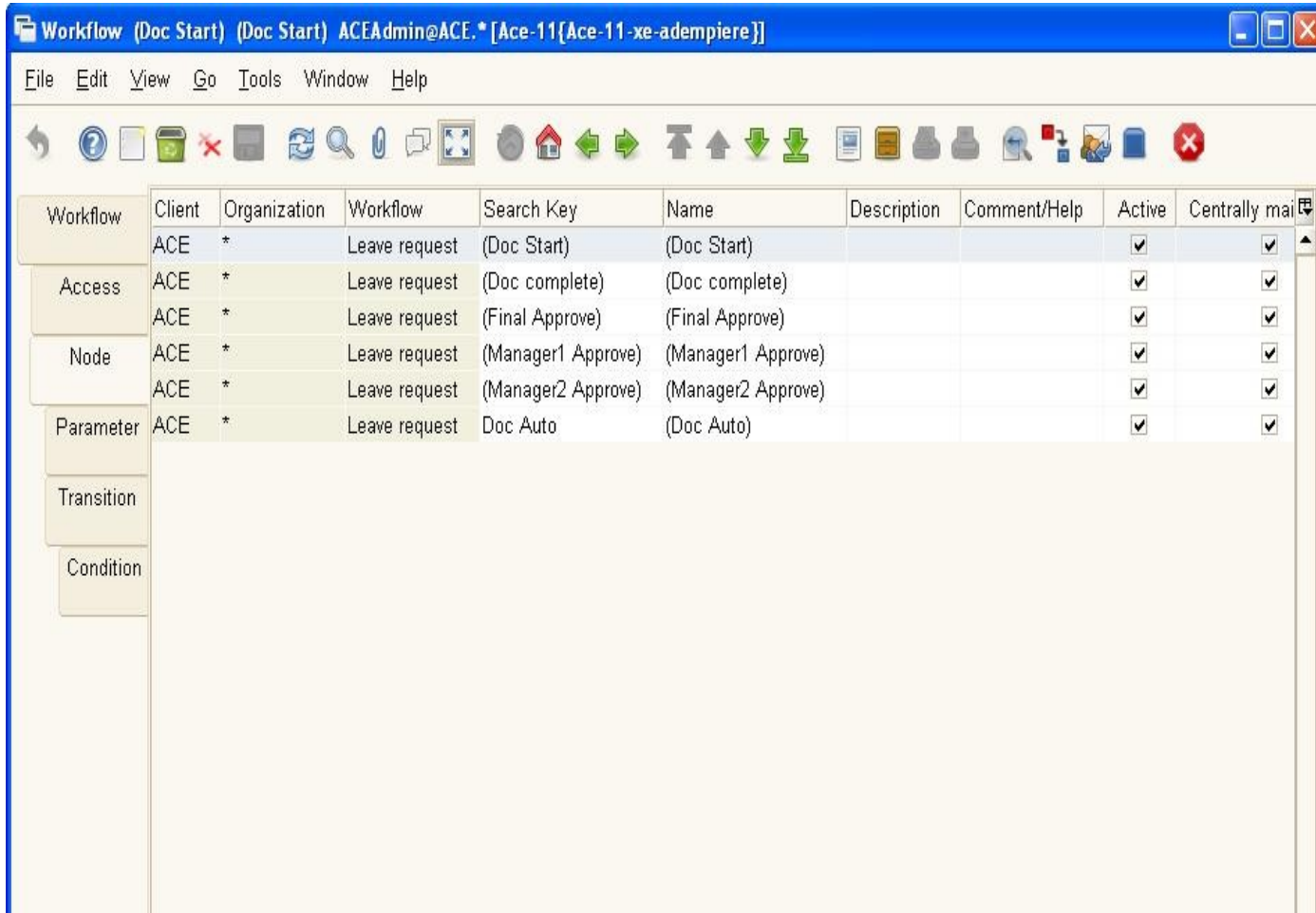


Fig: Final Node tab window

5) Then go to the first node tab again (manager1 Approval) and go to transition tab and create new transition and choose the next node (manager2 Approval) and save.

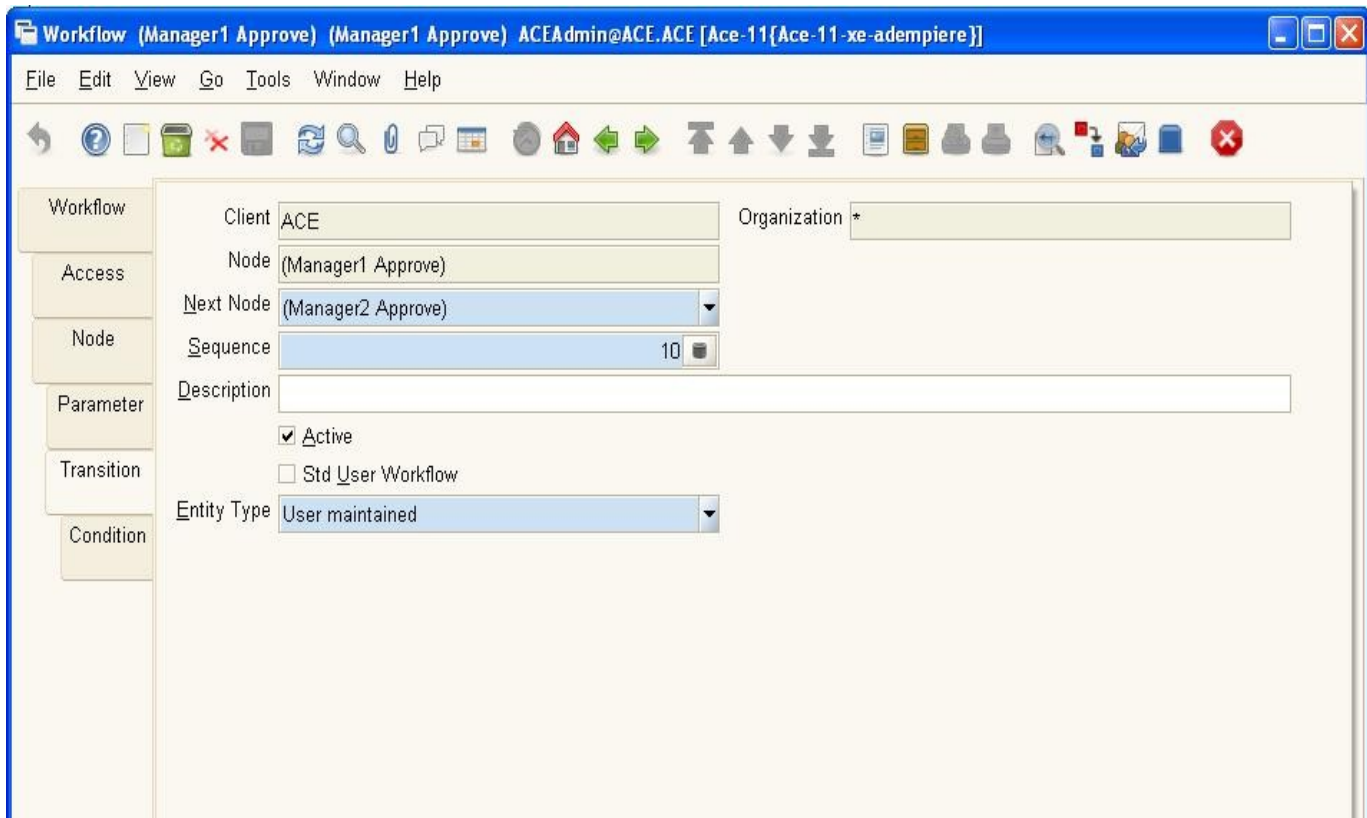


Fig: Transition Tab

6) Then go to the node tab again and now choose node2 (manager2 Approval) and go to transition and choose next node (final Approval) and save

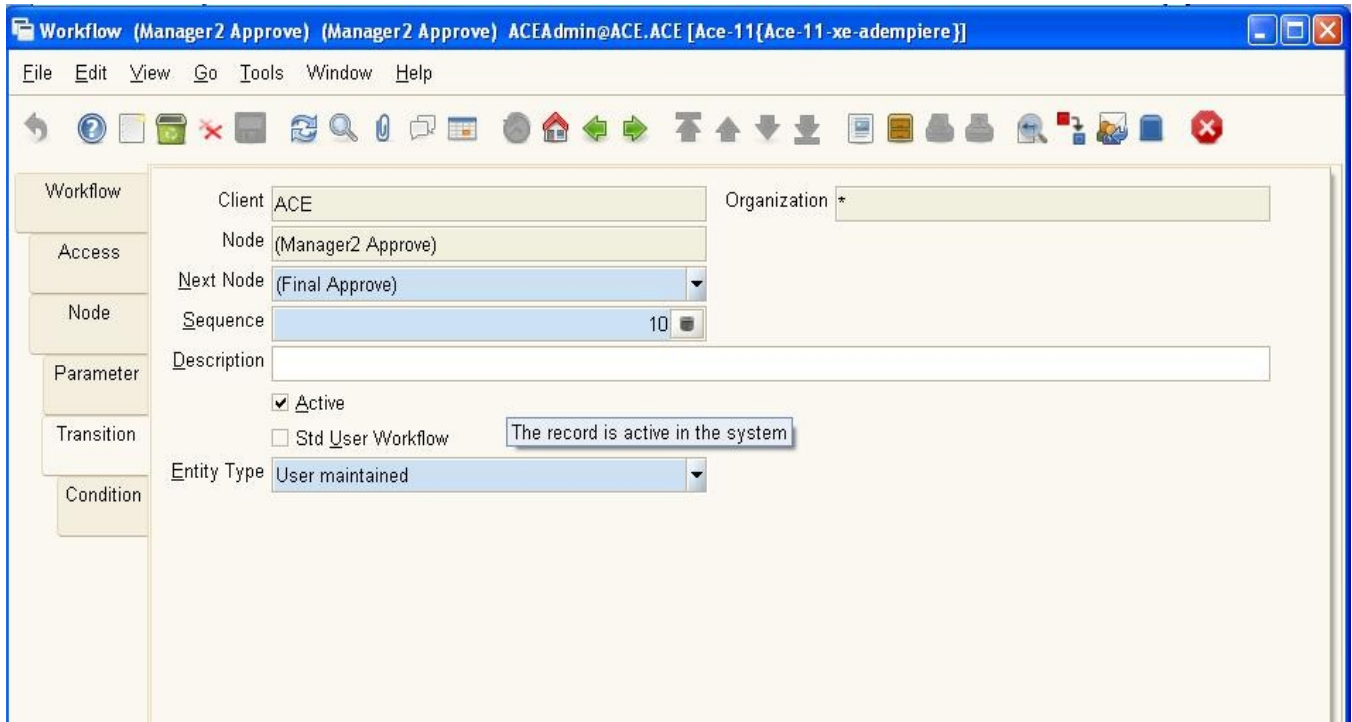


Fig: Transition tab

7) Then go to node tab and choose 3rd node (final Approval) and go to transition tab and create a new transition and choose next node (Doc complete which is the final state) save.

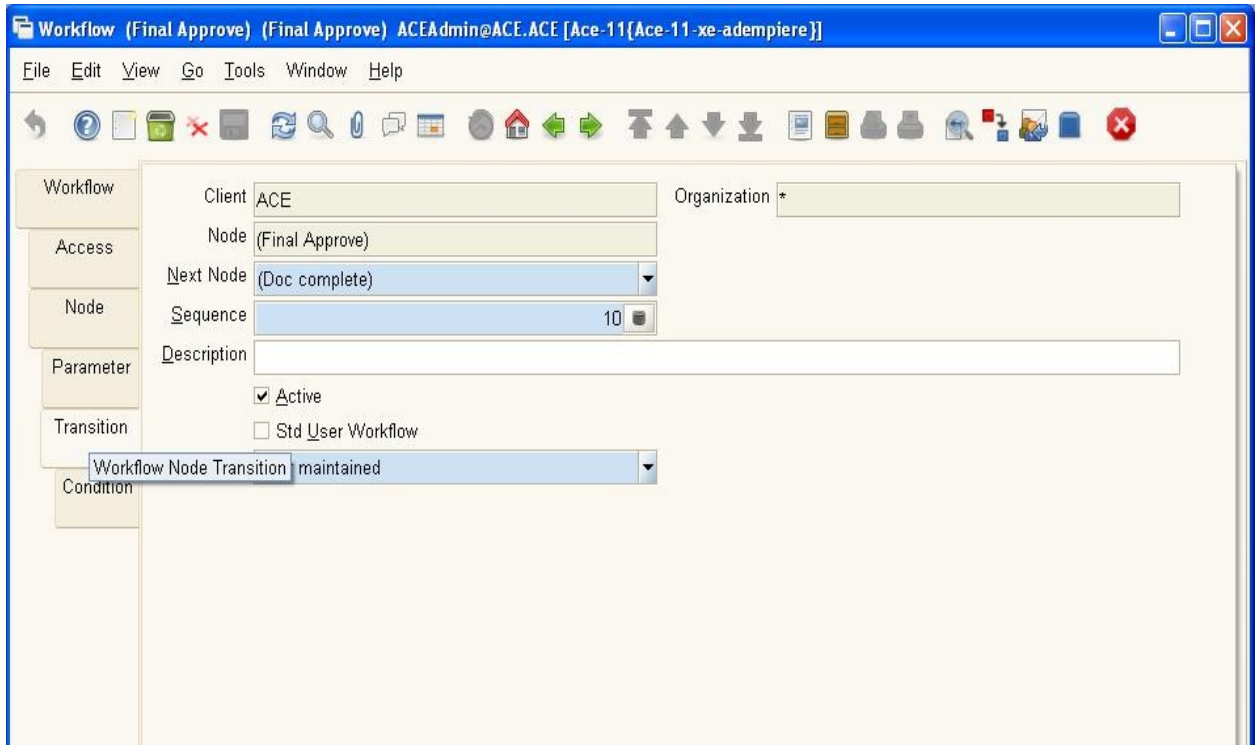


Fig: Transition tab

8) Then go to node tab and choose node (Start) and go to transition tab and create a new transition and choose next node (Doc Auto) and (Manager1 Approval) then click save.

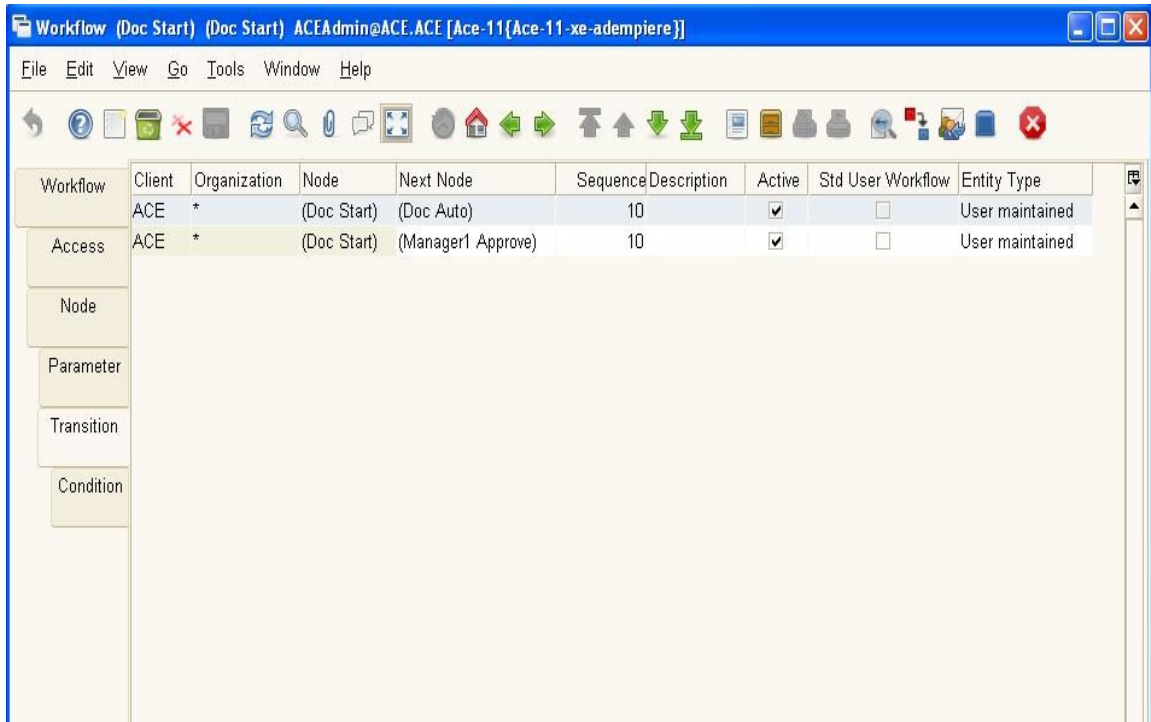


Fig: Transition tab

9) Then go to first tab that means Workflow tab and choose start node: (Doc start) then click save.

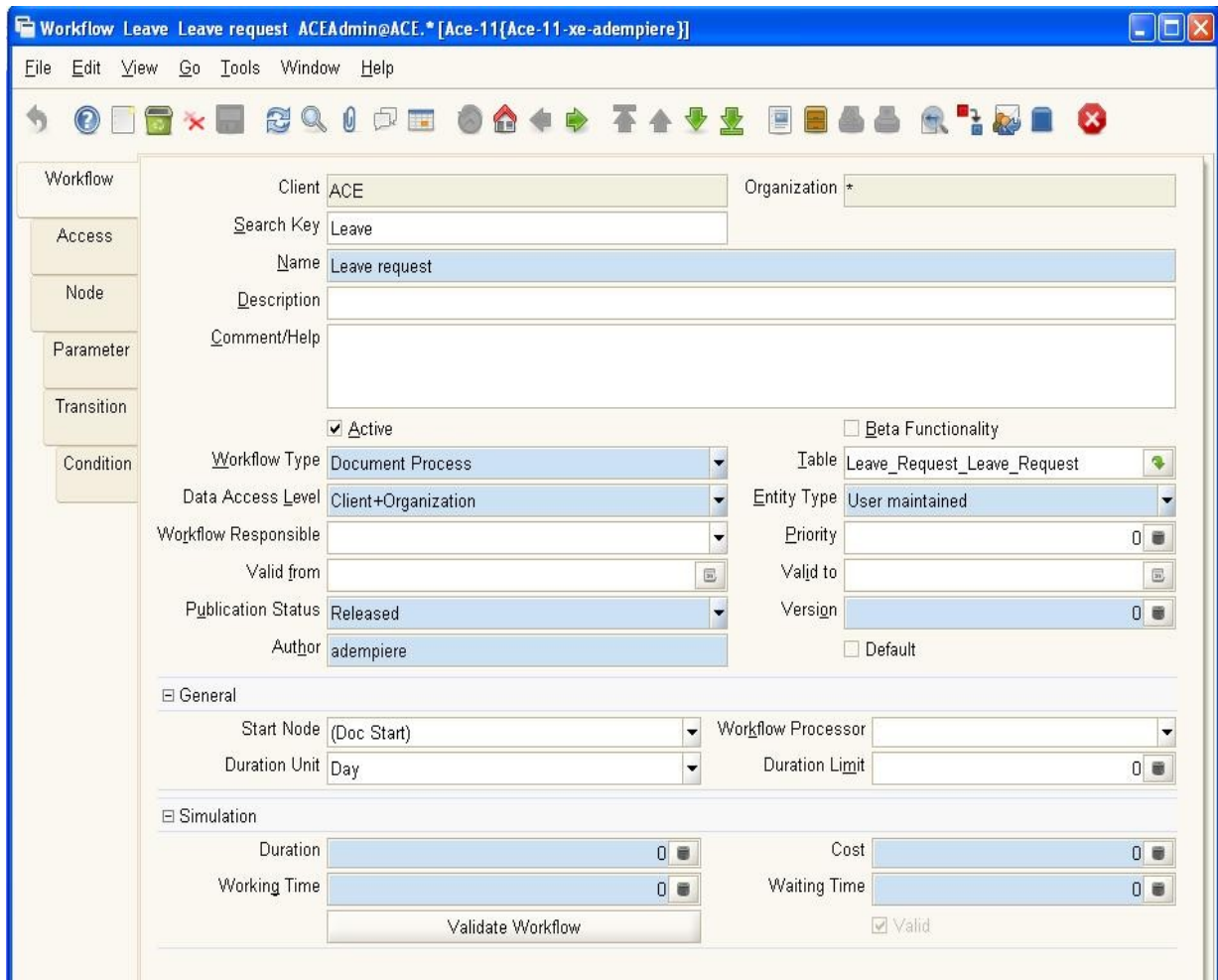


Fig: Final Workflow

10) After choose the start node in workflow tab press the Validate Workflow button. It gives the message like ok.

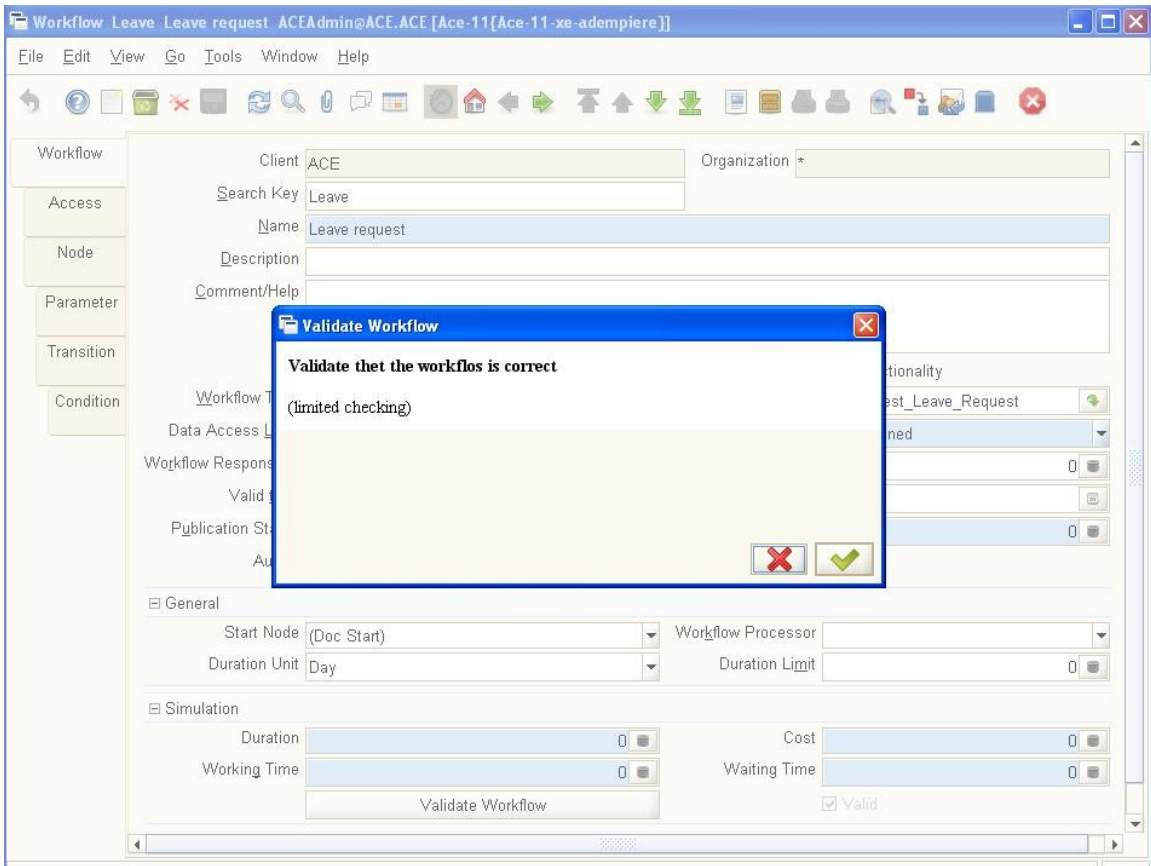


Fig: To validate the created workflow

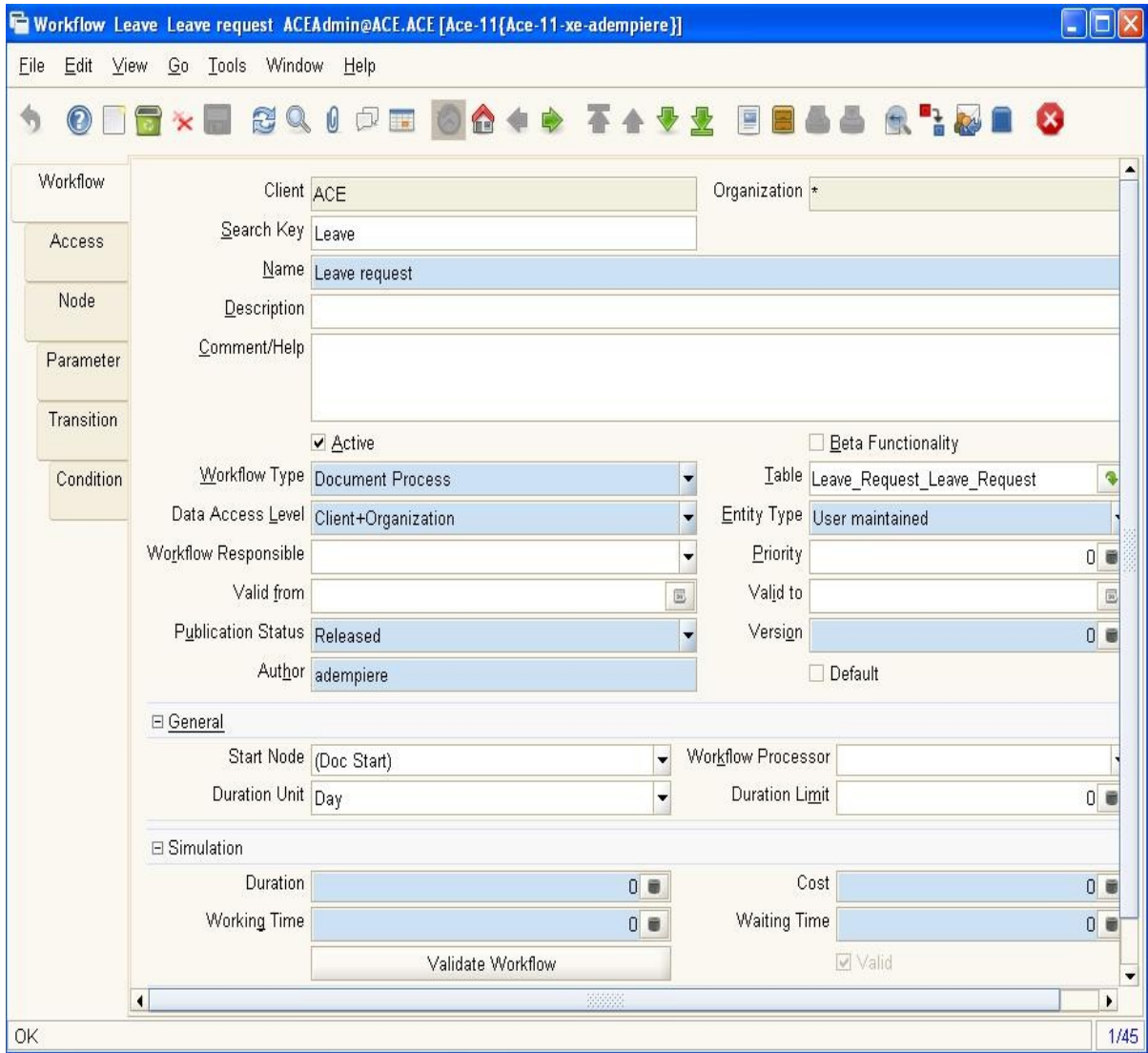


Fig: To validate the workflow

11) If you want to the created workflow means go to → System Admin → General Rules → Workflow → Workflow editor

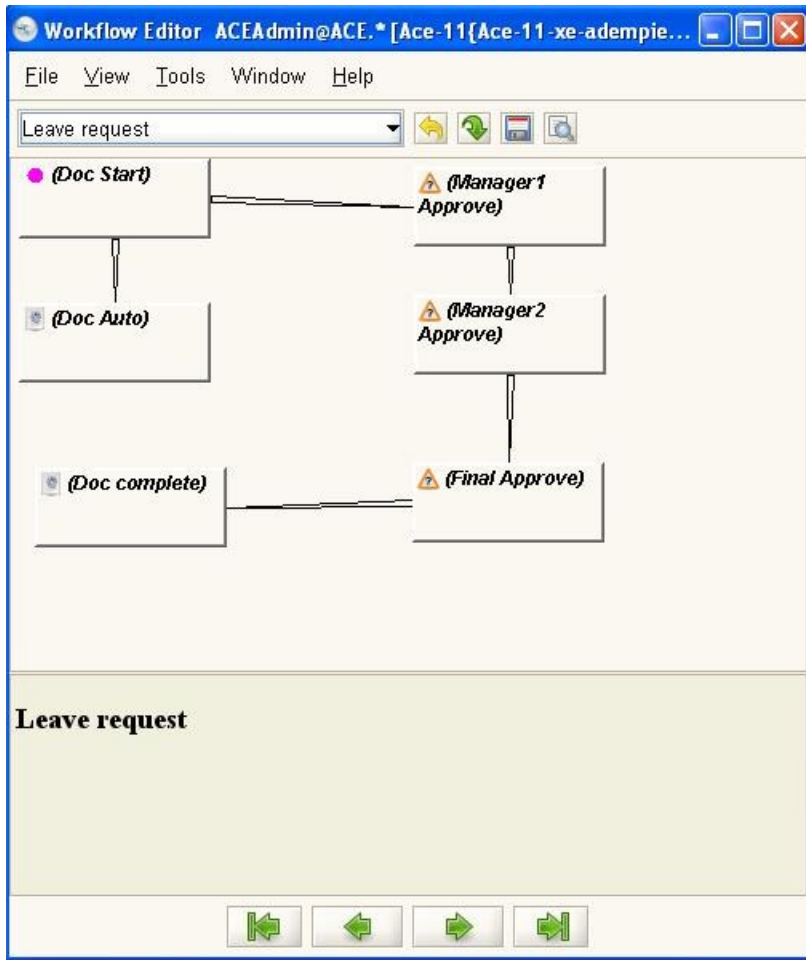


Fig: Workflow diagram

12) After doing all, we should go to our table and make sure that docaction , docstatus , columns are in table.