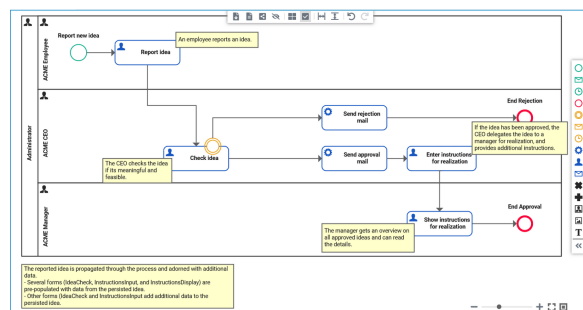


# Running Role-based Applications

In role-based applications, roles are assigned to individual users. Each of these roles is associated with special rights. These decide which actions the respective user can perform, which data he or she can display and edit.

Have a look at the **ACME Idea Management** process:



In this model, each **lane** represents a company role. The process is spread over multiple lanes. Each role has access to the part of the process that resides in their lane.

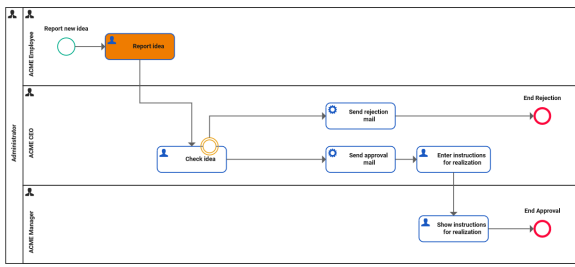
The following users with different roles are involved in this process:

Name	Role
David Stringer	ACME Employee
Irene Adler	ACME CEO
Jane Marple	ACME Manager

In the first step of the **idea management** process, ACME employee **David Stringer** creates a new instance by reporting a new idea.

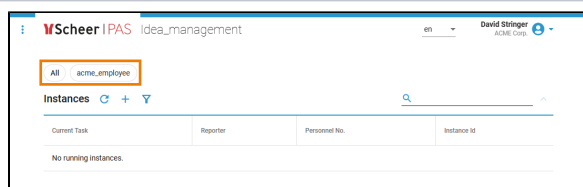
## Related Pages:

- [Role-based Authorization Concept](#)
- [The Role Concept of the Instance List](#)
- [Supported BPMN Elements](#)
  - [Lane](#)

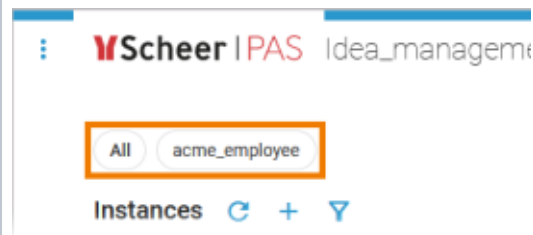


For more detailed information on how to create a process instance, go to [Creating a Process Instance](#).

As soon as **ACME Employee** David Stringer sends his idea, the second process step is triggered and he returns to the instance list.



In role-based applications, role labels are displayed above **Instances** header - one for each role assigned to your user

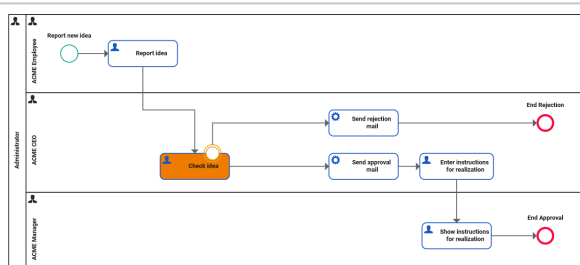


In this case only the role **ACME Employee** is assigned to David Stringer.

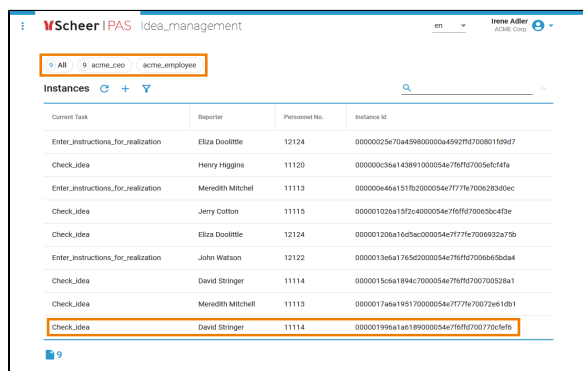
In addition, the role labels also have a filtering function. Click the label to display only the instances associated with that role instance list.

After David has sent his idea, his instance list is empty. Since the idea has triggered the second process step for which David as role **ACME Employee** has no access rights.

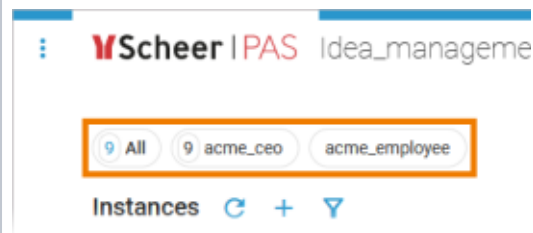
The second process step **Check idea** starts immediately after the employee has sent the idea.



As you can see in the model, only the role **ACME CEO** is assigned to this process step.



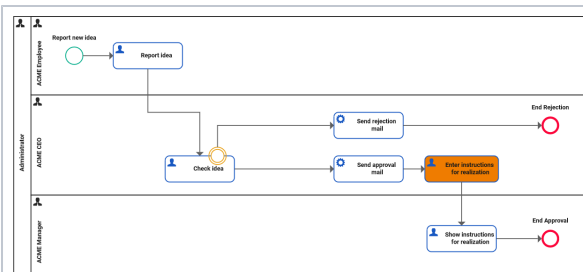
Now, Irene Adler opens the process. She is not only **ACME Employee** but also **ACME CEO**. This is reflected by the labels displayed on top of her instance list:



Accordingly, in her instance list she can see the running process instances of the process steps that are assigned to her role

In her role as **ACME CEO** she needs to check all ideas. The idea that David created in the first process step is displayed in her instance list and she can now open and read it.

If Irene rejects the idea, a rejection mail is sent and then the process is finished. If she approves the idea, an approval mail is sent and the process step **Enter instructions for realization** is automatically initiated.



Again, only Irene in her role as CEO is involved in this process step.

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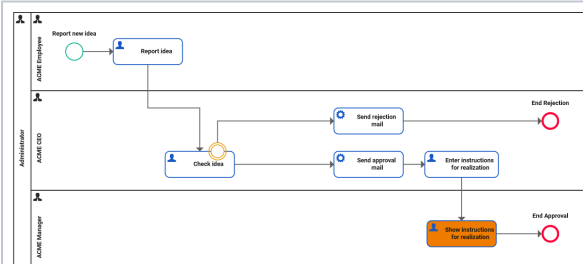
en Irene Adler ACME CEO

Instances 9 All 9 acme\_ceo acme\_employee

Current Task	Reporter	Personnel No.	Instance Id
Enter_instructions_for_realization	Eliza Doolittle	12124	00000025e70a45980000a4592f5f70080169d7
Check_idea	Henry Higgins	11120	000000c36a143891000054e776f6f7005efc4fa
Enter_instructions_for_realization	Meredith Mitchell	11113	000000e46a151fb2000054e7777f7e7006283d0ec
Check_idea	Jerry Cotton	11115	000001026a15f2c4000054e776f6f70065bc473e
Check_idea	Eliza Doolittle	12124	000001206a16d5ac000054e7777f7e7006932a75b
Enter_instructions_for_realization	John Watson	12122	00000136a1765d2000054e776f6f7006b65bd4
Check_idea	David Stringer	11114	0000015cda1894c7000054e776f6f700700528a1
Check_idea	Meredith Mitchell	11113	0000017aba195170000054e7777f7e70072e61db1
Enter_instructions_for_realization	David Stringer	11114	000001996a1a8189000054e776f6f700770cfe6

Irene has approved David's idea which is now in process step Enter instructions for realization.

As soon as Irene has entered and sent the instructions for realization, the process step Show instructions for realization is triggered.



This process step is only assigned to the role ACME Manager.

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en Irene Adler ACME CEO

Instances 6 All 6 acme\_ceo acme\_employee

Current Task	Reporter	Personnel No.	Instance Id
Enter_instructions_for_realization	Eliza Doolittle	12124	00000025e70a45980000a4592f5f70080169d7
Check_idea	Henry Higgins	11120	000000c36a143891000054e776f6f7005efc4fa
Enter_instructions_for_realization	Meredith Mitchell	11113	000000e46a151fb2000054e7777f7e7006283d0ec
Check_idea	Jerry Cotton	11115	000001026a15f2c4000054e776f6f70065bc473e
Check_idea	Eliza Doolittle	12124	000001206a16d5ac000054e7777f7e7006932a75b
Enter_instructions_for_realization	John Watson	12122	00000136a1765d2000054e776f6f7006b65bd4
Check_idea	David Stringer	11114	0000015cda1894c7000054e776f6f700700528a1
Check_idea	Meredith Mitchell	11113	0000017aba195170000054e7777f7e70072e61db1

Accordingly, David's idea is no longer visible in Irene's instance list.

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en Jane Marple ACME Manager

Instances 3 All acme\_employee 3 acme\_manager

Current Task	Reporter	Personnel No.	Instance Id
Show_instructions_for_realization	Meredith Mitchell	11113	000002346a352bfe000054e776f6f700df3da0e
Show_instructions_for_realization	Jerry Cotton	11115	000002996a3687db000054e776f6f700e502a0ec
Show_instructions_for_realization	David Stringer	11114	000001996a1a8189000054e776f6f700770cfe6

Instead, it is now listed in the instance list of manager Jane. Jane is not only ACME Manager, but also ACME Employee, which is reflected by the labels displayed on top of her instance list.

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en Jane Marple ACME Manager

Instances 3 All acme\_employee 3 acme\_manager

Jane can now open the instance to read Irene's instructions and realize David's idea.