Examples

Self service portal examples

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Self service portal examples

Introduction

Here we will try to explain some user cases about different types of process to know how that processes work. That processes will be a basic user cases, but you will be able to define process as much complex as your business needs.

> For more information about the process definition you can visit the BPM Editor chapter.

The users configured like initiators in a User management process or in a Permission management process will be able to launch those processes. Those operations will be able to be performed from My Requests option.

User management

Update my data

Example

Process used to request to update my user data.

https://www.youtube.com/embed/SQTNpaI1Zy4?rel=0

User request

Process uses to request to add, delete, modify or disable any user. That kind of process will be able to launch for users with the proper permissions that will be expecified on the process definition.

Example

Request to update the primary group of a user, and the admin user rejects that request.

https://www.youtube.com/embed/1YsQzhsbt8Y?rel=0

Example

Request to update the primary group of a user, and the admin user approves that request.

https://www.youtube.com/embed/QtxawR-ypWo?rel=0

Example

Request to create a new user. That workflow uses the Detect duplicated user funtionality.

https://www.youtube.com/embed/3UCOAfL71HA?rel=0

Process management

Permission request

Example

Request to assign permissions to a user.

https://www.youtube.com/embed/6mR7NawT7aA?rel=0

Example

Users in charge of assigning or denying permissions, could do that from the mail if Soffid is configured in that way. Users will receive an email similar to the following one:

DueDate:

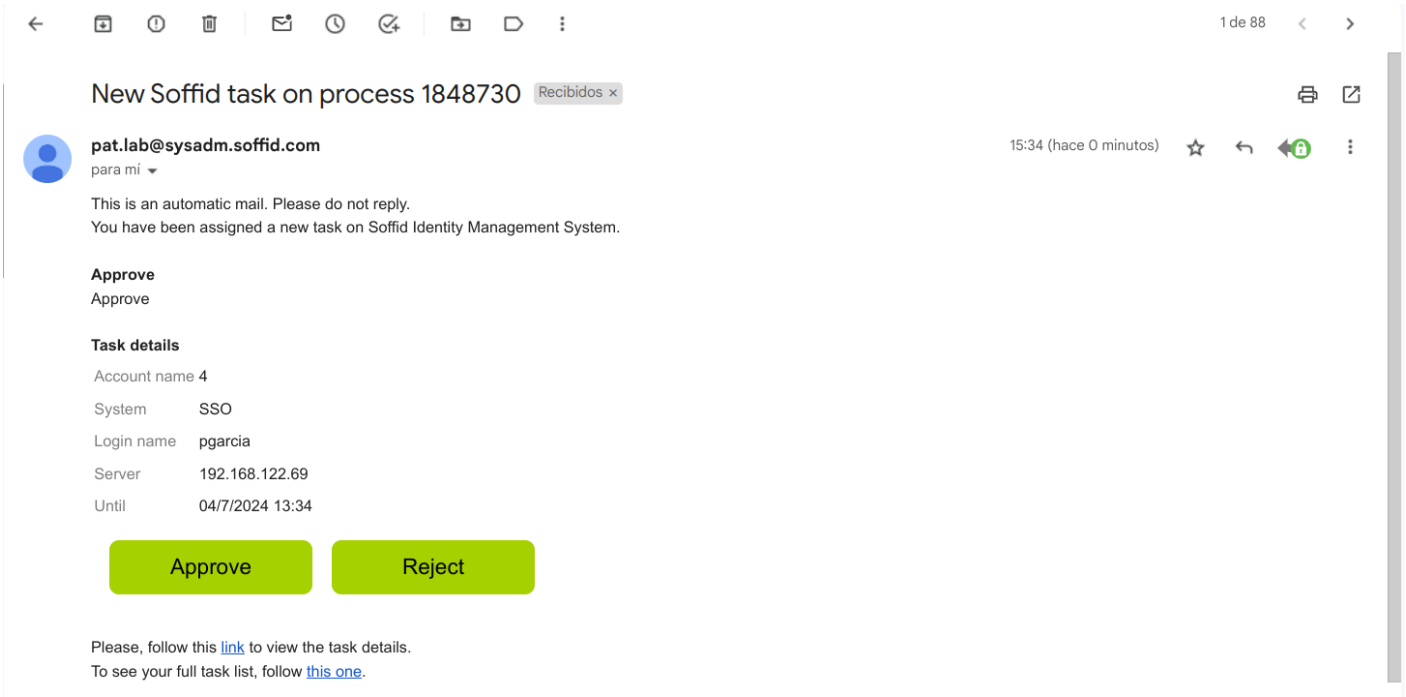
Permissions

User	Application	Permission
ckelp Casey Kelp	Operation/Business 2	Tester Tester role
ckelp Casey Kelp	Operation/Business process/ad	che01-10200 Headquarters

Approve Deny

Please, follow this link to view the task details.

To see your full task list, follow this one.



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New Soffid task on process 1848730 Recibidos ×

pat.lab@sysadm.soffid.com
para mí

15:34 (hace 0 minutos)

This is an automatic mail. Please do not reply.
You have been assigned a new task on Soffid Identity Management System.

Approve
Approve

Task details

Account name	4
System	SSO
Login name	pgarcia
Server	192.168.122.69
Until	04/7/2024 13:34

Approve Reject

Please, follow this link to view the task details.
To see your full task list, follow this one.

Sample Scripts BPM

Start Step

Validations

```
a = executionContext.getVariable("firstName");
if (a==null || "".equals(a.trim()))
  throw new Exception("First name is mandatory");

a = executionContext.getVariable("lastName");
if (a==null || "".equals(a.trim()))
  throw new Exception("Last name is mandatory");

.....................

a = executionContext.getVariable("userName");
lu = serviceLocator.getUserService().findUserByJsonQuery("userName eq \""+a+"\" ");
if (!lu.isEmpty())
  throw new Exception("The user name is in use, please choose another one");

e = executionContext.getVariable("emailAddress");
lu = serviceLocator.getUserService().findUserByJsonQuery("emailAddress eq \""+e+"\" ");
if (!lu.isEmpty())
  throw new Exception("The email is in use, please choose another one");

.....................

return true;
```

Trigger onChange

Calculate the email when firstName or lastName changes and depending on the userType:

```
firstName   = (inputFields.get("firstName")!=null) ? inputFields.get("firstName").value : null;
lastName    = (inputFields.get("lastName")!=null) ? inputFields.get("lastName").value : null;
```

```
userType    = (inputFields.get("userType")!=null) ? inputFields.get("userType").value : null;

if (firstName!=null && !firstName.trim().isEmpty() &&
    lastName!=null && !lastName.trim().isEmpty() &&
    userType!=null && !userType.trim().isEmpty()) {

   emailAddress = firstName + "." + lastName;

   if ("E".equals(userType)) {
   emailAddress = emailAddress + ".ext@soffid.com";
   } else {
    emailAddress = emailAddress + "@soffid.com";
   }
  inputFields.get("emailAddress").value = emailAddress;
}
```

Calculate the user name depending on the first and last name

```
firstName = (inputFields.get("firstName")!=null) ? inputFields.get("firstName").value : null;
lastName = (inputFields.get("lastName")!=null) ? inputFields.get("lastName").value : null;
middleName = (inputFields.get("middleName")!=null) ? inputFields.get("middleName").value : null;
userType = (inputFields.get("userType")!=null) ? inputFields.get("userType").value : null;
primaryGroup = (inputFields.get("primaryGroup")!=null) ? inputFields.get("primaryGroup").value : null;

if (firstName!=null && !firstName.trim().isEmpty() &&
    lastName!=null && !lastName.trim().isEmpty()) {

  // Erase blanck spaces
  while (firstName.contains("  "))
    firstName = firstName.replace("  "," ");
  fn = firstName.trim().split(" ")[0];
  fn = fn.substring(0,1).toUpperCase() + fn.substring(1).toLowerCase();

  // Erase blanck spaces
  while (lastName.contains("  "))
    lastName = lastName.replace("  "," ");
  lna = lastName.trim().split(" ");
  ln = "";
  for (w : lna) {
    ln = ln + w.substring(0,1).toUpperCase() + w.substring(1).toLowerCase();
```

```
  }
  un = fn+"."+ln;
  // Check, if user exist we will add the first letter of the second name
  u = serviceLocator.getUserService().findUserByUserName(un);
  if (u!=null && middleName!=null && !middleName.trim().isEmpty()) {
    un = un+middleName.substring(0,1).toUpperCase();
  }
  // Max length 20 characters
  if (un.length()>20)
    un = un.substring(0,20);
  inputFields.get("userName").value = un;
}
```

Outgoing transitions

Set values to variables that will be available in the next step.

```
un = executionContext.getVariable("userName");
executionContext.setVariable("userSelector",un);
executionContext.setVariable("action","M");
```

Approve

Outgoing transitions

Remove a previous roles

```
un = executionContext.getVariable("userName");
t = executionContext.getVariable("title");
lra = serviceLocator.getApplicationService().findUserRolesByUserName(un);
for (ra : lra) {
  if (ra.roleName.equals(t)) {
    serviceLocator.getApplicationService().delete(ra);
    break;
  }
}
```

Save new role

```
p = executionContext.getVariable("newTitle");
if (p==null || "".equals(p.trim()))
  throw new Exception("El nuevo puesto de trabajo es obligatorio");


executionContext.setVariable("title", p)
```

End Step

Incoming transition

Add a role to the user in case the role exists and it is the same that the user title.

```
SYS = "soffid";


un = executionContext.getVariable("userName");
if (un==null)
  return true;

t = executionContext.getVariable("title");
if (t==null)
  return true;

q  = "name eq \""+t+"\" and system eq \""+SYS+"\"";
lr = serviceLocator.getApplicationService().findRoleByJsonQuery(q);
if (lr==null || lr.isEmpty())
  return true;

r = lr.get(0);
app = r.informationSystemName;

ra = new com.soffid.iam.api.RoleAccount();
ra.setRoleName(t);
ra.setSystem(SYS);
ra.setInformationSystemName(app);
ra.setUserCode(un);
ra.setDomainValue(new com.soffid.iam.api.DomainValue());
serviceLocator.getApplicationService().create(ra);
return true;
```