INSTITUTE OF COMPUTER TECHNOLOGY
B-TECH COMPUTER SCIENCE ENGINEERING 2025-26
SUBJECT: IDENTITY ACCESS MANAGEMENT

NAME: Rahul Prajapati
ENRLL. NO: 23162171020
BRANCH: CYBER SECURITY
BATCH: 52

Lab 9: User management and Role management exercises

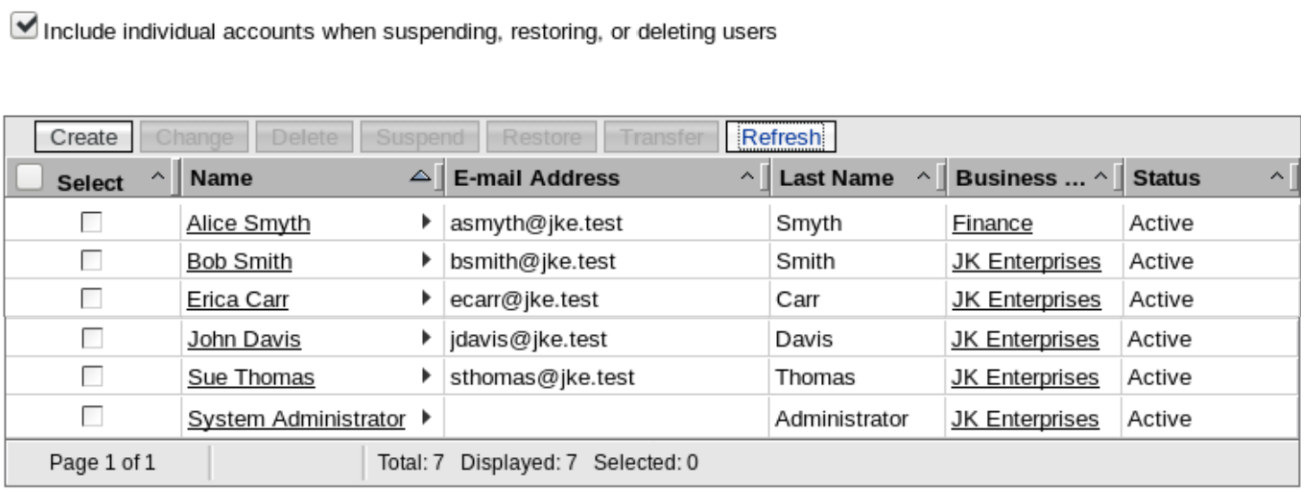
Exercise 1 – Changing user information

This exercise depends on the users you created in Exercise 2, "Creating users," on page 9. In this exercise, you learn how to change different attributes of user information.

Changing a name

Alice Smith gets married and decides to take her husband’s surname, Smyth. In this part of the exercise, you modify her personal information to reflect the change.

1. On the **Home** tab, go to **Manage Users.**
2. Click **Refresh**. Locate **Alice Smith.** Click the arrow to the right of the name and click **Change**.
3. Change the **Last name, Full name, Preferred user ID, and email address** attributes to reflect her married name, **Smyth**. Click **Submit Now** to send the update.
4. **Refresh** the user list to confirm the name change.
5. Click the **arrow** to the right of Alice Smyth and click **Accounts**. Click **Refresh**. For the account on ITIM Service, Click arrow to the right and Click **Change** and change the user id from **asmith** to **asmyth** and **Submit** the request. Click **Refresh** to confirm changes.



Include individual accounts when suspending, restoring, or deleting users

Create | Change | Delete | Suspend | Restore | Transfer | Refresh

Select	Name	E-mail Address	Last Name	Business ...	Status
☐	Alice Smyth	asmyth@jke.test	Smyth	Finance	Active
☐	Bob Smith	bsmith@jke.test	Smith	JK Enterprises	Active
☐	Erica Carr	ecarr@jke.test	Carr	JK Enterprises	Active
☐	John Davis	jdavis@jke.test	Davis	JK Enterprises	Active
☐	Sue Thomas	sthomas@jke.test	Thomas	JK Enterprises	Active
☐	System Administrator		Administrator	JK Enterprises	Active

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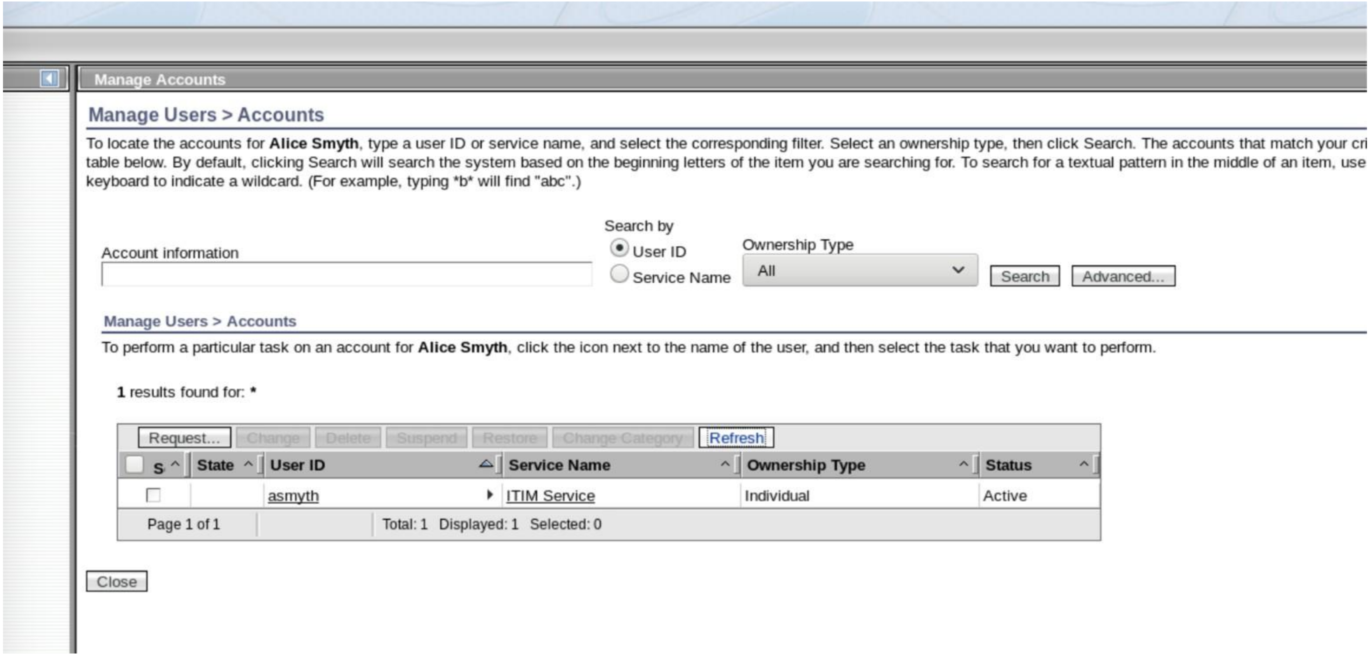
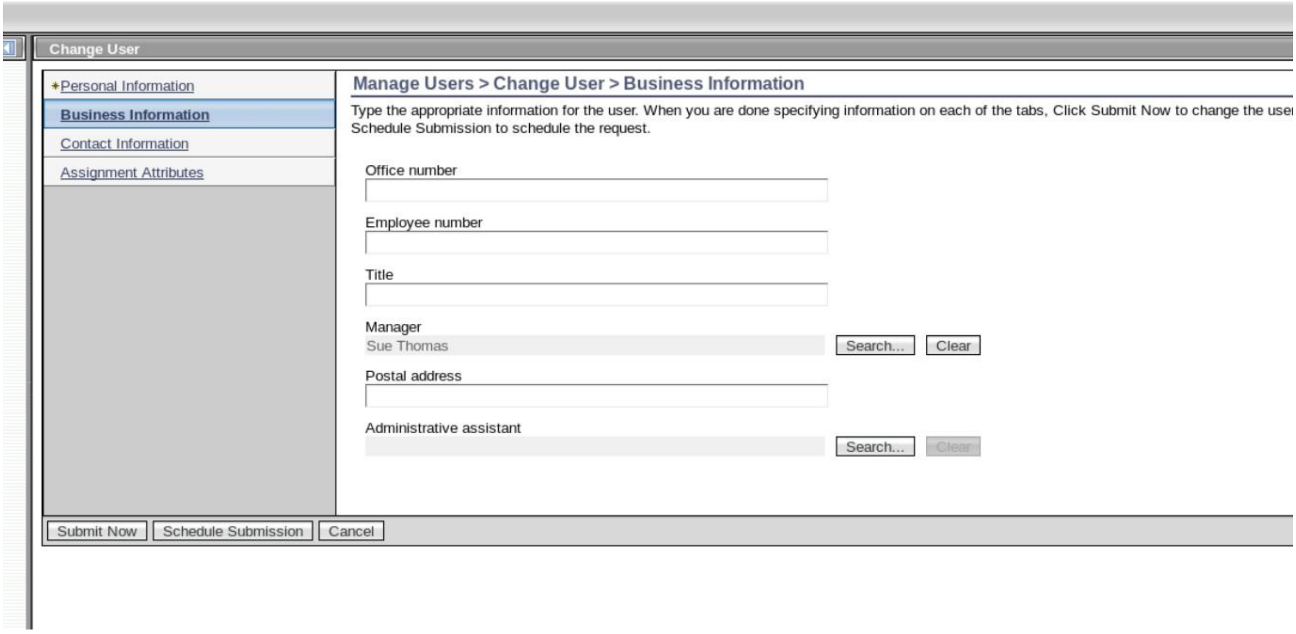


Changing a manager attribute

Through a management restructuring, Alice Smyth now reports to Sue Thomas. In this part of the exercise, you modify Alice's manager attribute.

1. On the **Home** tab, you go to **Manage Users.**
2. Locate **Alice Smyth**. Click the arrow to the right of the name and click **Change**.
3. Click the **Business Information tab.**
4. In the **Manager** field, click **Search** and locate **Sue Thomas**. Select Sue as the manager and Click **OK**.

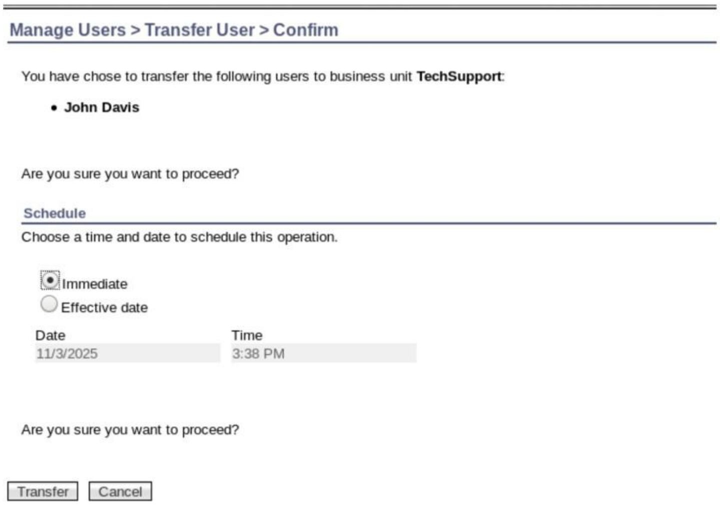
5. Click **Submit Now** to update the entry. Click **Close**.

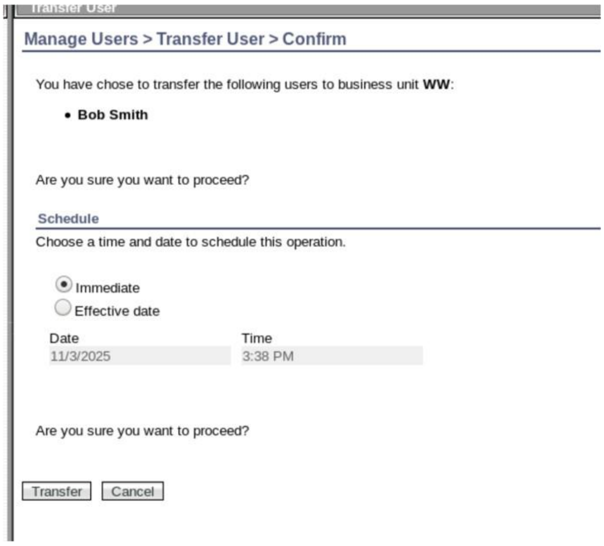


4.2 Exercise 2 – Transferring users

If a user is promoted, or is added to the incorrect branch of the organization tree, you can transfer the user to the proper branch.

1. On the **Home** tab, go to **Manage Users.**
2. **Search** the user list and locate the entry for **Sue Thomas.**
3. **Select** the Sue Thomas entry and click **Transfer**.
4. Search for the **Finance** organizational unit. Select **Finance** and click **OK.**
5. Click **Transfer**. Click **Close**.
6. Return to the **Manage Users** tab. **Refresh** the user list to verify that **Sue Thomas** is transferred.
7. Repeat steps 1 through 6 to transfer **Bob Smith** to the **WW location** in **Sales**. Also, transfer **John Davis** to the **TechSupport business partner** organization.
8. When you are done, the user list should look like this:





4.3 Exercise 3 – Creating organizational roles

JK Enterprises wants to create organizational roles for the various functions in each department. In this exercise, you create static and dynamic roles.

Creating static organizational roles

1. On the **Home** tab, click **Manage Roles**.

2. Click **Create** to add a new role.

3. Complete the **Create Role** form with the following information:

Field	Value
Role Type	Static
Role Classification	*[Leave blank]*
Business unit	JK Enterprises
Role Name	JKE System Admin
Description	Organizational Role for System Administrators
Access Information	*[Leave as is]*
Assignment Attributes	*[none]*
Role Membership	Erica Carr

4. Click **Finish**. Click **Return to the list of Roles I was working with.**

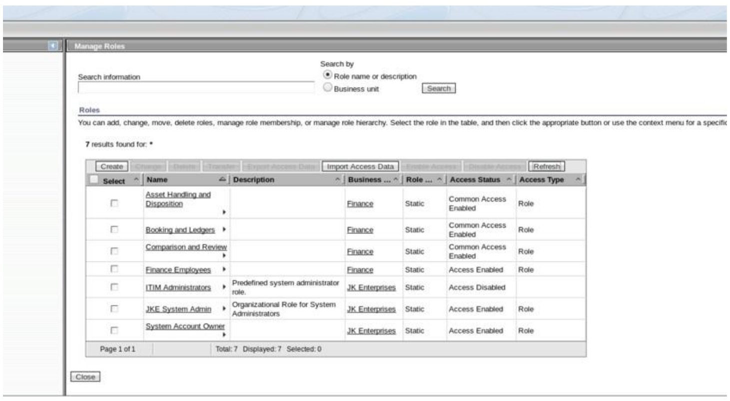
5. Repeat steps 2 through 4 to create 5 more static roles **(these roles do not have any members initially)**:
   a) **System Account Owner** with a Business unit of JK Enterprises

   b) **Finance Employees** with Business unit of **Finance**.

   c) **Asset Handling and Disposition** with Business unit of **Finance**.
   Check the **Enable access for this role** check box. Also, check the **Show this role as a common access** check box. These settings allow users to request membership in the roles as an access.

   d) **Booking and Ledgers** with Business unit of **Finance**.
   Check the **Enable access for this role** check box. Also, check the **Show this role as a common access** check box.

   e) **Comparison and Review** with Business unit of **Finance**.
   Check the **Enable access for this role** check box. Also, check the **Show this role as a common access** check box.



Creating Dyanamic organizational roles

1. Create another role, this time choose the **Dynamic** role type.

2. Complete the **Create Role** form with the following information:

Field	Value
Role Type	Dynamic
Role Classification	*[Leave blank]*
Business unit	JK Enterprises
Make role applicable to persons in	This business unit and its subunits
Role Name	**JKE Managers**
Description	Organizational Role for JKE Managers
Access Information	*[Leave as is]*
Definition (Rule)	***(title=*Manager*)***

3. Click **Finish**.

4. On the **Home** tab, click **Manage Roles** and **refresh** the list.

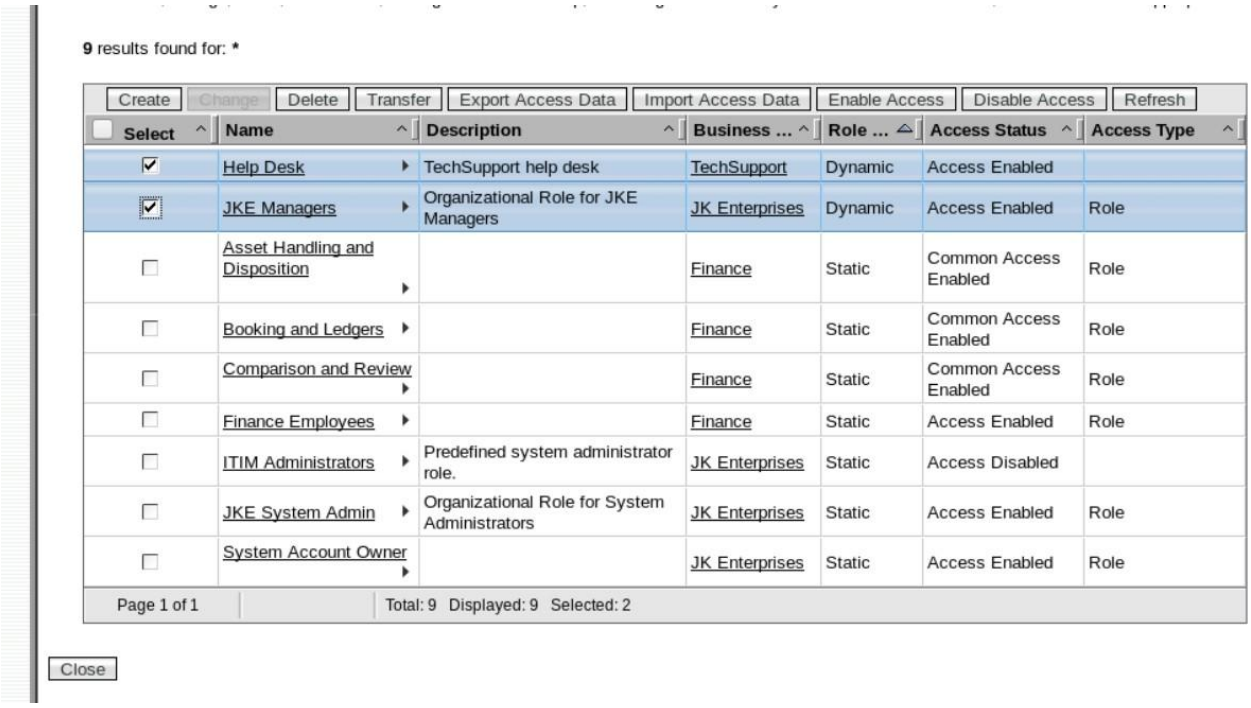
5. Click the arrow to the right of the **JKE Managers** role and click **Manage User Members**.

6. Verify that the users in this dynamic role have **manager** in their **title** by viewing the Business Information section.

7. Create another Dynamic role

8. Complete the form with the following information:

Field	Value
Role Type	Dynamic
Role Classification	*[Leave blank]*
Business unit	**TechSupport**
Make role applicable to persons in	This business unit and its subunits
Role Name	**Help Desk**
Description	TechSupport help desk
Access Information	*[Leave as is]*
Definition (Rule)	***(cn=*)***



9 results found for: *

Create | Change | Delete | Transfer | Export Access Data | Import Access Data | Enable Access | Disable Access | Refresh

Select	Name	Description	Business ...	Role ...	Access Status	Access Type
☑	Help Desk	TechSupport help desk	TechSupport	Dynamic	Access Enabled	
☑	JKE Managers	Organizational Role for JKE Managers	JK Enterprises	Dynamic	Access Enabled	Role
☐	Asset Handling and Disposition		Finance	Static	Common Access Enabled	Role
☐	Booking and Ledgers		Finance	Static	Common Access Enabled	Role
☐	Comparison and Review		Finance	Static	Common Access Enabled	Role
☐	Finance Employees		Finance	Static	Access Enabled	Role
☐	ITIM Administrators	Predefined system administrator role.	JK Enterprises	Static	Access Disabled	
☐	JKE System Admin	Organizational Role for System Administrators	JK Enterprises	Static	Access Enabled	Role
☐	System Account Owner		JK Enterprises	Static	Access Enabled	Role

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Close

4.4 Exercise 4 – Creating child role assignments

In this exercise, you make the three finance department roles children of the Finance role.

1. On the **Home** tab, click **Manage Roles.**
2. In the **Search** Information box, type **Finance*** to find the role you created in the previous exercise.
3. Click **Search**. The result should be a list that contains your **Finance Employees** role.

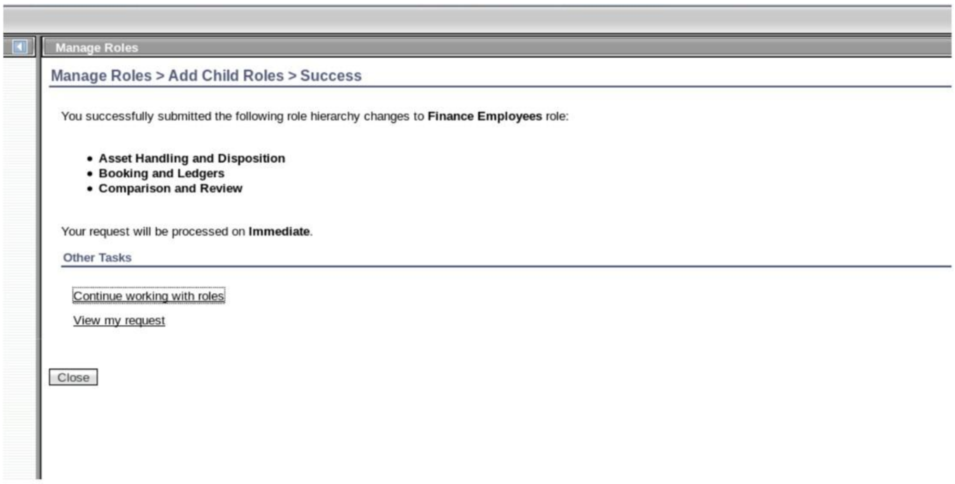
4. Click the **arrow** to the right of Finance Employees and select **Add Child Roles**.

5. **Search** for all the roles in the business unit of Finance.

6. Select the three finance child roles:
   - Asset Handling and Disposition
   - Booking and Ledgers
   - Comparison and Review

7. Click **OK**.

8. Select the **Immediate** radio button and click **Submit**.



4.5 Exercise 5 – Creating a separation of duty policy

JK Enterprises wants to ensure that they adhere to the best practices of separation of duty in their finance department. In this exercise, you ensure that in the finance department, no user can have more than one of these roles: **A**sset Handling and Disposition, **B**ooking and Ledgers, **C**omparison and Review.

1. On the **Home** tab, go to **Manage Policies** > **Manage Separation of Duty Policies.**

2. Click **Create**.

3. Create the policy with the following information:

Field	Value
Policy Name	ABCs of Finance
Description	Finance rules to maintain separation of duties
Business Unit	**Finance**

4. In the Policy Rules section, click **Create** to create a policy rule with the following information:

Field	Value
Description of separation	Finance department ABCs

5. Click **Search** in the Build Role Seperation List section.

6. Search for roles in the **business unit of Finance:**
   - Asset Handling and Disposition
   - Booking and Ledgers
   - Comparison and Review

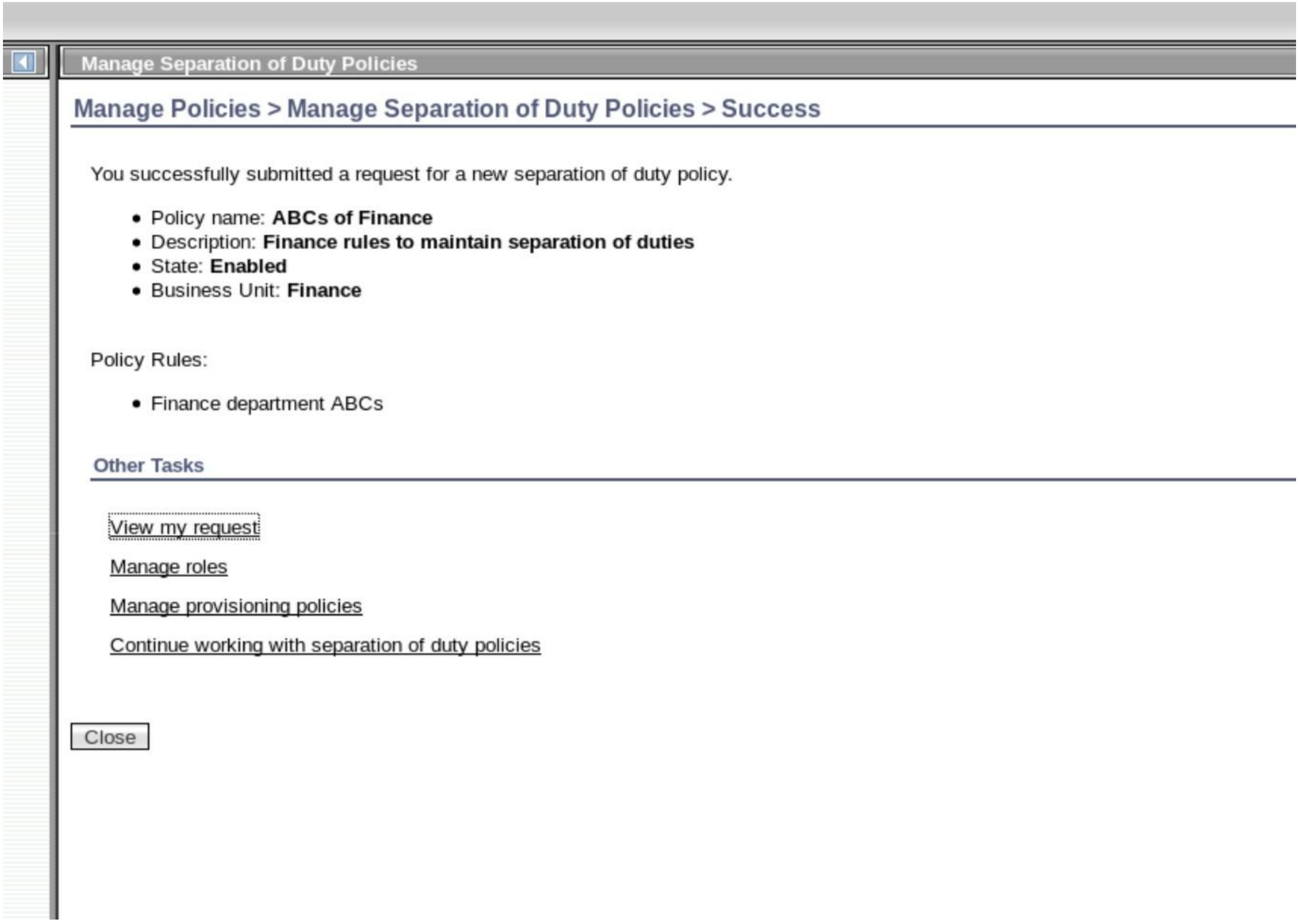
7. After you select the **three** roles, select the number of allowed roles. In this case, you allow only **one** role.

8. Click **OK**.

9. Under **Policy Owners > User Policy Owners**, click **Add**, on next screen in search information type **Sue Thomas ,** select **full name** in Search By. Click on **search**. Select **Sue Thomas** and click **Ok.** Sue, as the **manager** of the finance department, must approve any exceptions.

10. Click **Submit**.

11. **Log out** of the IBM Security Identity Manager Administrative Console. Close **Firefox**.



4.6 Exercise 6 – Approving a separation of duty policy violation

Alice Smyth is covering for another finance employee who is out on temporary medical leave. She requires access to several roles that violate a separation of duty policy. Alice requests role access through the IBM Security Identity Manager Identity Service Center (ISC) console.

1. **Restart** Firefox everytime you switch ISIM Console to ISC console. Open Firefox Enter the URL for the Identity Service Center (ISC) in Firefox:
   https://isim.test:9443/itim/ui/Login.jsp or click the bookmark 

2. Log on as Alice Smyth (**asmyth**) with password **P@ssw0rd.**

3. Click **Request Access** to request access to the **Asset Handling and Disposition** role by Clicking the role and Click **Next.** Provide justification – **Required for JKE Finance** and Click **Submit**.

4. Click on **Request New Access,** Request access to the **Booking and Ledgers by** Clicking the role . This action causes a violation for the Finance Department ABCs separation of duty 

   see the warning sign

5. Click the **Yellow** warning sign, you can see the details for the violation.

6. Click **Continue My Request** to request an exception. Provide justification – **Required for JKE Finance** and Click **Submit**.

7. **Log out** of the Identity Service Center.

8. Now, log in to the Identity Service Center as **Sue Thomas** and approve the separation of duty exception. **Log back** in as Sue Thomas (**sthomas**) with password **P@ssw0rd.**

9. Click on **My Activities,** on the right corner you can see Blue arrow , Click the arrow and you can see the policy violation details

10. Provide Justification – **Approved for Alice.** Click **Approve** and Approve Alice's separation of duty rule violation.

11. **Log out** of the Self Service console. Close **Firefox**.