

# Portal People Picker Using Web Dynpro

## Applies to:

Web Dynpro for Java UI Development, SAP NetWeaver 2004s.

## Summary

People Picker is a KMC component used extensively in Enterprise Portal to search Portal users on the basis of their Login ID. It is a Web Dynpro application but we can't use it in our Web Dynpro applications as it has an access list defined. This article describes how I designed my own People Picker component in Web Dynpro with some extra features like search on different attributes of the portal users and sees details of any selected user from the displayed search result.

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## Author Bio

Mahesh Gotiwale working with Tata Consultancy Services Ltd. For the last 3 years in SAP practice.

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## Introduction

In Web Dynpro applications sometimes it is required for user to search the portal users. This article deals with this scenario only to allow the user to search the portal users on the basis of different attributes available like (Mobile number, City, Country, Company ID, E-Mail ID, First Name, Last Name, Login ID etc).

## Searching portal users

**Search On** Login ID  Search

Display	
	Department
	Description
	Direct Child
	Display Name
	E-Mail ID
	Fax
	First Name
	Job Title
	Last Name
	Login ID

Row 0 of 0

Show Details

**Search On** First Name  Search

Display Name	Login ID
Gotiwale, Mahesh	148588

Row 1 of 1

Show Details

**i** Total number of portal users found based on your search criteria are 1

**Search On** First Name

Display Name	Login ID
Gotiwale, Mahesh	148588

Row 1 of 1

**Details of 148588**

**First Name** Mahesh  
**Last Name** Gotiwale  
**Job Title**  
**E Mail ID** mahesh.gotiwale@tcs.com  
**Mobile** 9820568465  
**Fax**  
**City** Mumbai  
**Country** IN

Under this section we will demonstrate how we can search the portal users based on different attributes of UME.

1. The users suppose wants to search the portal user on the basis of Login ID.
2. The user selects Login ID from the "Search On" drop down and then enters some search criteria in the input field.
3. The application fetches all the portal users details based on the input criteria and displays the result in a table.
4. The user is also provided the facility to view the details of the user fetched on the basis of the search criteria.
5. When user select a row from the table the shoe details button gets enabled and can be used to view details of the selected user.

## Setting the search filter

The IUserFactory and IUserSearchFilter classes are used to set the search criteria on the basis of the user's choice. This is an example of a code sample:

```
IUserFactory uf = UMFactory.getUserFactory();
    ISearchResult result = null;
    Collection usersList = new ArrayList();
    IUserSearchFilter userSearch = null;
    try {
        userSearch = uf.getUserSearchFilter();

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("login
id")){

            userSearch.setUniqueName(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("cellp
hone")){

            userSearch.setCellPhone(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("city"
))){

            userSearch.setCity(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("compa
ny")){

            userSearch.setCompany(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("ccomp
anyid")){

            userSearch.setCompanyId(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("count
ry")){

            userSearch.setCountry(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }

        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("curre
ncy")){

            userSearch.setCurrency(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
        }
    }
}
```

```

    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("depart
ment")){

        userSearch.setDepartment(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("descr
iption")){

        userSearch.setDescription(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("direc
tchild")){

        userSearch.setDirectChild(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("displ
ayname")){

        userSearch.setDisplayName(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("email
")){

        userSearch.setEmail(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("fax")
){

        userSearch.setFax(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("first
name")){

        userSearch.setFirstName(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

    if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("jobti
tle")){

        userSearch.setJobTitle(wdContext.currentContextElement().getSearch(),
ISearchAttribute.LIKE_OPERATOR, true);
    }

```

```
        if(wdContext.currentContextElement().getSearchOn().equalsIgnoreCase("lastname")){  
            userSearch.setLastName(wdContext.currentContextElement().getSearch(),  
ISearchAttribute.LIKE_OPERATOR, true);  
        }  
    }
```

## Detail View

Creating the details view for the searched user uses the following concept. This is the code used in wdDoInit() method.

```
try {
    IUserSearchFilter userSearch = uf.getUserSearchFilter();

    userSearch.setUniqueName(wdContext.currentContextElement().getLoginID(),
        ISearchAttribute.LIKE_OPERATOR, true);
    result = uf.searchUsers(userSearch);
    while(result.hasNext()){
        String uniqueID = result.next().toString();
        IUser user = uf.getUser(uniqueID);
        wdContext.currentContextElement().setCity(user.getCity());

        wdContext.currentContextElement().setCountry(user.getCountry());
        wdContext.currentContextElement().setEmail(user.getEmail());
        wdContext.currentContextElement().setFax(user.getFax());

        wdContext.currentContextElement().setFirstName(user.getFirstName());

        wdContext.currentContextElement().setJobTitle(user.getJobTitle());

        wdContext.currentContextElement().setLastName(user.getLastName());

        wdContext.currentContextElement().setMobile(user.getCellPhone());
    }
} catch (UMException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
```



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