Unified Process Document Version Control System

Use-Case Model 1.0

August 16, 2004

1 Use-Cases

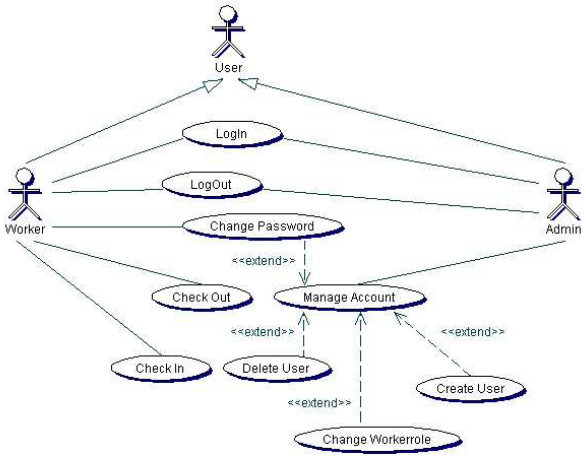

Figure 1: Use-Case Diagram

1.1 Actors

User

All users are basically Users. The different Users have different workspaces but are basically the same.

Worker

The Worker is a kind of User. It is one of the Workers according to the Unified Process. Everybody who will work with the software has to be a valid Worker. Every Worker will have rights and those are taken from the Workerroles described in the Unified Process.

Admin

The Admin is a kind of User. The Admin has only one task. His task is to administrate the Workers.

1.2 Use-Case "Log In"

Brief Description

This Use-Case describes the possibility for a User to log him into the system. There are two possibilities to log in. The first is as a common Worker who logs himself in to work at the model. The second possibility is that an Admin logs himself in to manage accounts. See Use-Case "Manage Accounts". In both cases is a kind of session handling needed.

Flow of Events
See Activity Diagram: Figure 2

Preconditions
The system is ready to accept login requests.

Postconditions
The system is the same as initially except that:
If the User does not exist
or the password is wrong
or the User is already logged in
then an appropriate message is shown.
Else the User is logged in and the worker / admin interface is shown.

Special Requirements
NONE

Extension Points
NONE

1.3 Use-Case "Log Out"

Brief Description
This Use-Case describes the possibility for the User to log him out of the system. Whenever his work is done or he just wants to leave his workspace he has to log himself out of the system to keep the system and his account save.

Flow of Events
When the logout request is coming the User will be logged out.

Preconditions
The system is ready to accept logout requests, and the User is logged in.

Postconditions
The system is the same as initially except that:
The User is logged out.

Special Requirements
NONE

Extension Points
NONE

1.4 Use-Case "Manage Accounts"

Brief Description
Manage Accounts consists gives the Admin the possibility to manage all User accounts attached to the system..

Flow of Events
See Activity Diagram: Figure 3

Preconditions
The system is ready to accept manage account requests, and the Admin is logged in.

Postconditions
The system is the same as initially except that:
If the User has no permission to perform the request
or the User which data is going to be changed does not exist
or if the request is create user the User does already exist

then an appropriate message is shown
Else the request is performed and an appropriate message is shown

Special Requirements
NONE

Extension Points

1.4.1 "Create User"

Brief Description
The Admin creates a new Worker account.

Postconditions
The system is the same as initially except that: The Worker is created and an appropriate message is show.

1.4.2 "Delete User"

Brief Description
The Admin deletes an existing worker account.

Postconditions
The system is the same as initially except that:
The Worker is deleted and an appropriate message is show.

1.4.3 "Change Password"

Brief Description
The Admin changes a Users password or a Worker changes his password.

Postconditions
The system is the same as initially except that:
The Users password is changed and an appropriate message is show.

1.4.4 "Change Workerrole"

Brief Description
The Admin changes the workerroles of a Worker.

Postconditions
The system is the same as initially except that:
The workerrole is changed and an appropriate message is show.

1.5 Use-Case "Check In"

Brief Description
This Use-Case will be described in the next Iteration

1.6 Use-Case "Check Out"

Brief Description
This Use-Case will be described in the next Iteration

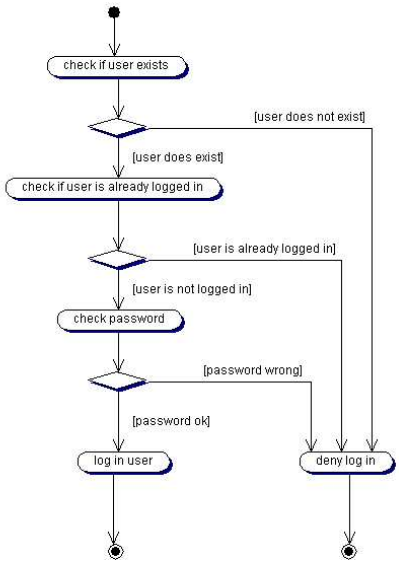

Figure 2: Login Activity Diagram

2 The Login Activity Diagram

Activity: "check if user exists"
The system checks if the User has an valid account in the system. Possible results are:
User account does exist
User account does not exist

Activity: "check if user is already logged in"
The system checks if the User is already logged in Possible results are:
User is already logged in
User is not logged in

Activity: "check password"
The system checks if the password is the same as stored in the system. Possible results are:
Password wrong
Password ok

Activity: "deny permission"
One of the system checks was negative, and so the system denies the login.

Activity: "log in user"
The user is logged in.

3 The Manage Account Activity Diagram

Activity: "check permission"
The system checks if the requesting user is the Admin. Other users are not allowed to perform this request Possible results are:
Permission denied
Permission granted

Activity: "check if user exists"
The system checks if the Worker account which will be modified by the Admin does already exist in the system Possible results are:

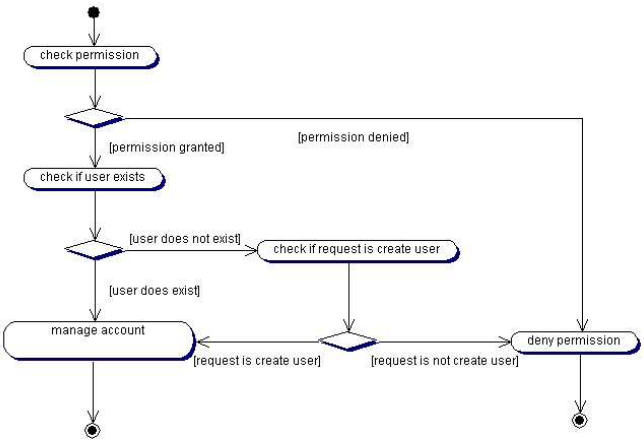

Figure 3: Manage Account Activity Diagram

User does exist
User does not exist

Activity: "check if request is create user"

The system check if the request is create user, because then it is important that the account does not exist. Possible results are:
Request is not create user
Request is create user

Activity: "deny permission"

This activity denies the permission to perform the request and sends an error message to the User who wants to perform it.

Activity: "manage account"

This activity performs the request. For details see the appropriate Use-Case.

4 User Interfaces

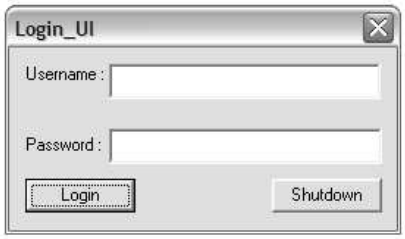

Figure 4: Login User Interface

Figure 5: Admin User Interface

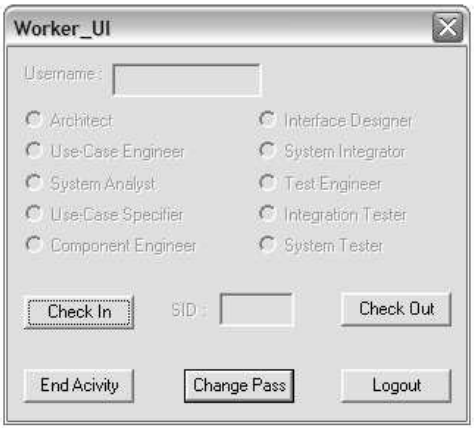

Figure 6: Worker User Interface

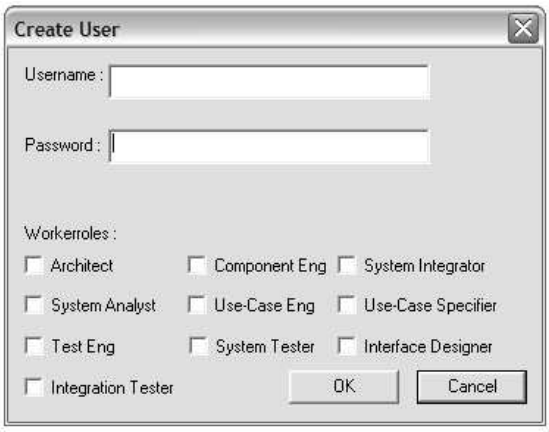

Figure 7: Create User User Interface

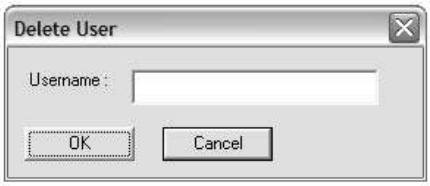

Figure 8: Delete User User Interface

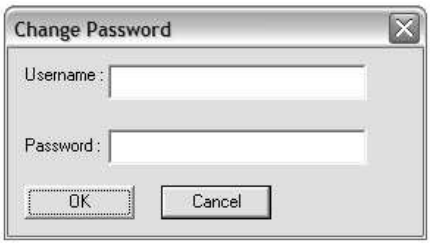

Figure 9: Admin Change Password User Interface

Figure 10: User Change Password User Interface

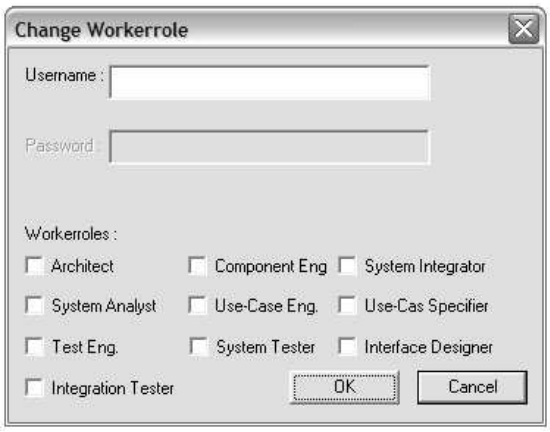

Figure 11: Change Workerrole User Interface

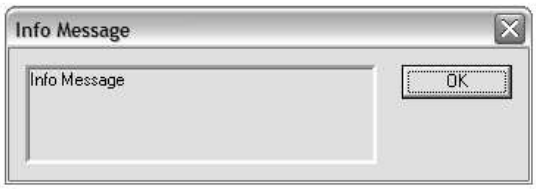

Figure 12: Info Message Box User Interface