

Worksheet 2

Spring Semester, 2010-2011

Creating Use Case Diagrams in Select Solutions Factory 7.1a

J.J. Collins

A datastore has been created for your team – ask the tutor for the team listing which also specifies the datastore to be used. Other teams will not have visibility of your project work in this datastore.

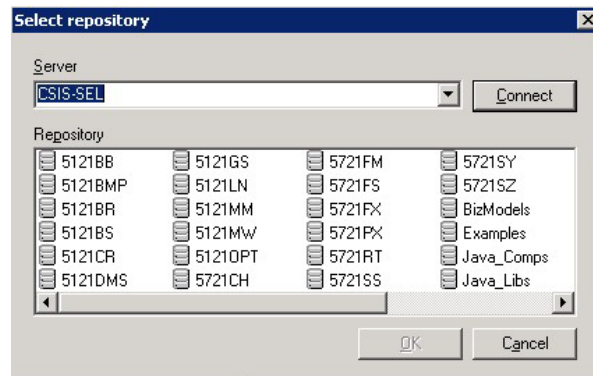


Figure 1.

Step 1: Map the datastore that will be used as a repository for model artefacts created by you as part of your module assignment:

- In Select Models Neighbourhood, choose Map in File menu.
- A window appears as shown in figure 1.
- The server is CSIS-SEL.
- Choose the appropriate datastore and click OK.

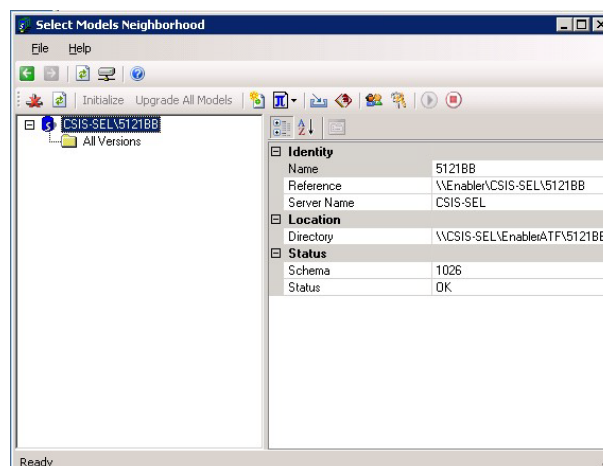


Figure 2: the datastore *CS5121-BB* has been mapped, is available and has been initialised. The name of the computer on which the repository and associated datastores resides is CSIS-SEL. The status is “OK”.

What is the name of the computer on which the repository resides that you make a connection to?

Note: always check that the datastore has been initialised and is running – how?

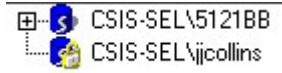


Figure 3

I created and started a datastore *jjcollins* on the server side. **YOU CANNOT DO THIS!**

I mapped the datastore in Select Models Neighbourhood as shown in figure 3
The icon for the datastore *jjcollins* in figure 3 has a symbol imposed over it that indicates that it is not initialised.

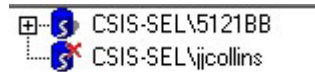


Figure 4

The datastore *jjcollins* is stopped in figure 4. Right click on the datastore and select Start.

Step 2: Create a new model.

1. In Select Architect (diagram editor), click on **New Model** under the **Files** menu.
2. A pop up window appears as shown in figure 5.
3. You must specify the datastore that will be the repository (storage area) for the new model if multiple datastores have been mapped. Choose the correct datastore.
4. Provide a name for the model in the Model field. *myproj* has been used in this example. Choose a more meaningful name that reflects your business scenario.
5. Click OK.
6. The explorer panel in Select Architect is populated with a diagram structure as shown in figure 6.

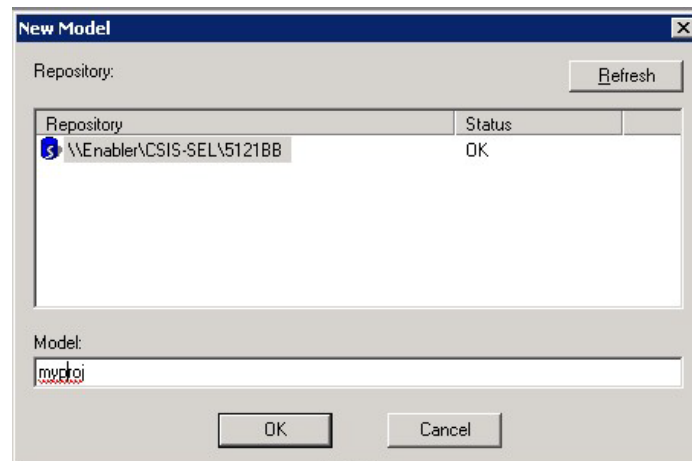


Figure 5.

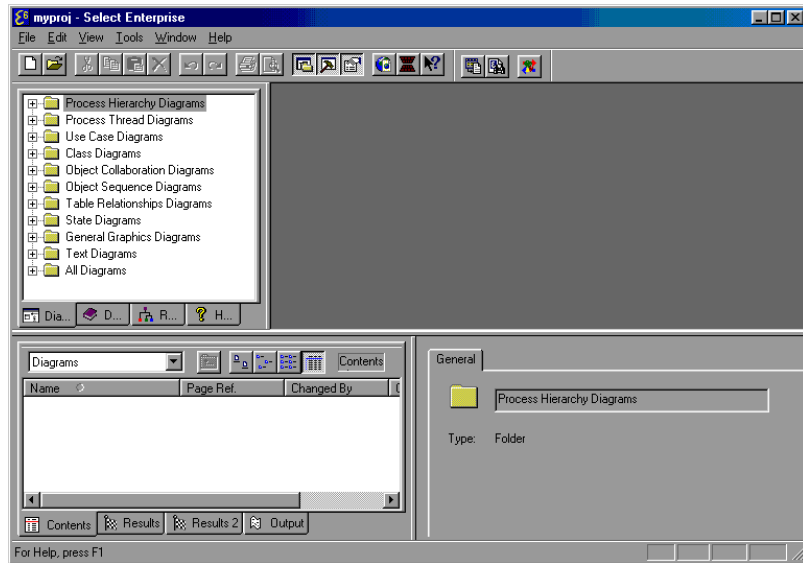




Figure 6.

Step 3: Create a use case diagram

Right click on the Use Case Diagram Folder in the explore panel and click on New Use Case Diagram. Ensure that the Use Case Diagram Toolbar is ticked in the Views menu. Click on the actor button  and place an actor icon in the use case diagram. Highlight this actor by clicking on it once, and then, edit the name and description of this actor in the output panel, as shown in figures 7 . Click on the use case button  and place a use case in the diagram. Highlight this use case by clicking on it once, and then, edit the name and description of this use case in the output panel as depicted in figure 8.

Click on the interaction button  to connect an actor to a use case. Insert a second use case into the diagram, to yield a diagram similar to that shown in figure 9.

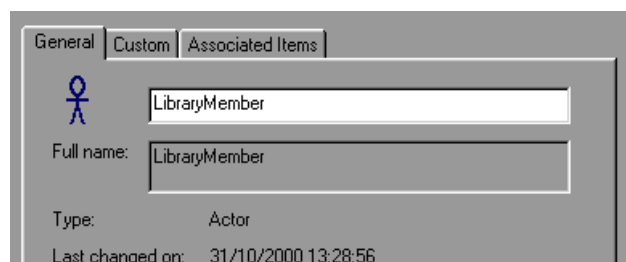


Figure 8: Specifying a name for an actor in the output panel.

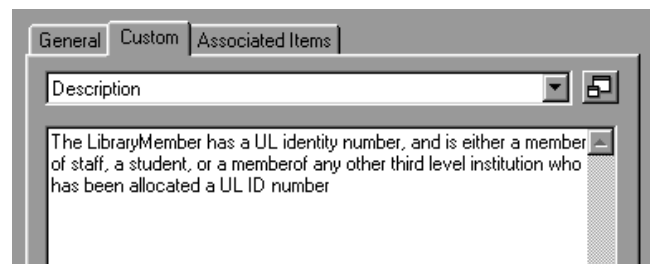


Figure 9. Specifying a description for the actor in the output panel.

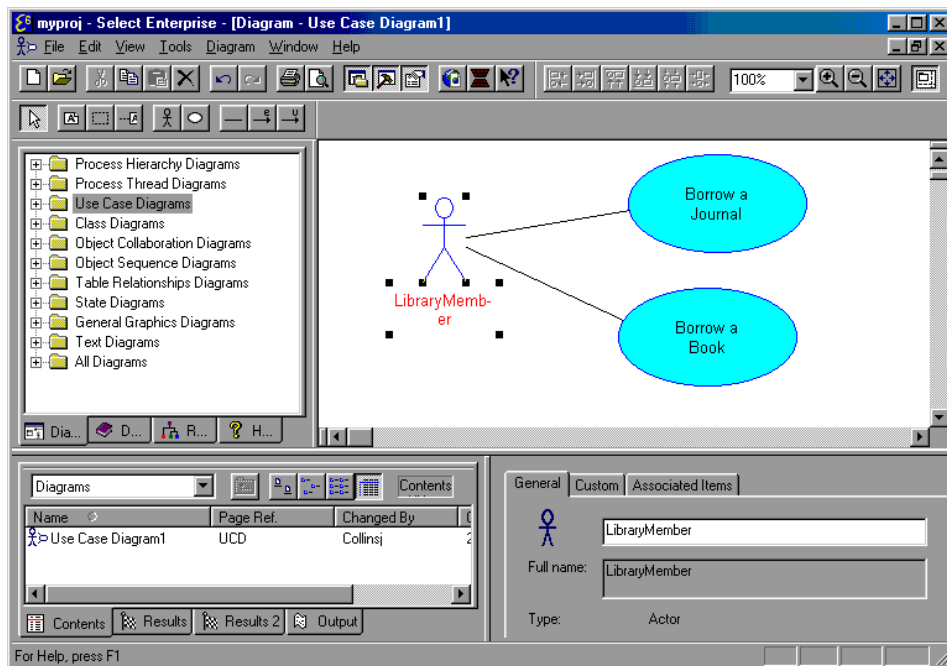


Figure 7. An example of a use case diagram.

Exercise 1: Move the icons for the actor, use case and links. Insert into the diagram a use case, which is *used* by the one just drawn, and a use case that *extends* any other use case – we have not yet covered “extends” in lectures. How do you find information on this new type of relationship?

An alternative way to create a new model is to right click on the datastore in Select Models Neighborhood and choose **New Model**.