DRMcNATTY

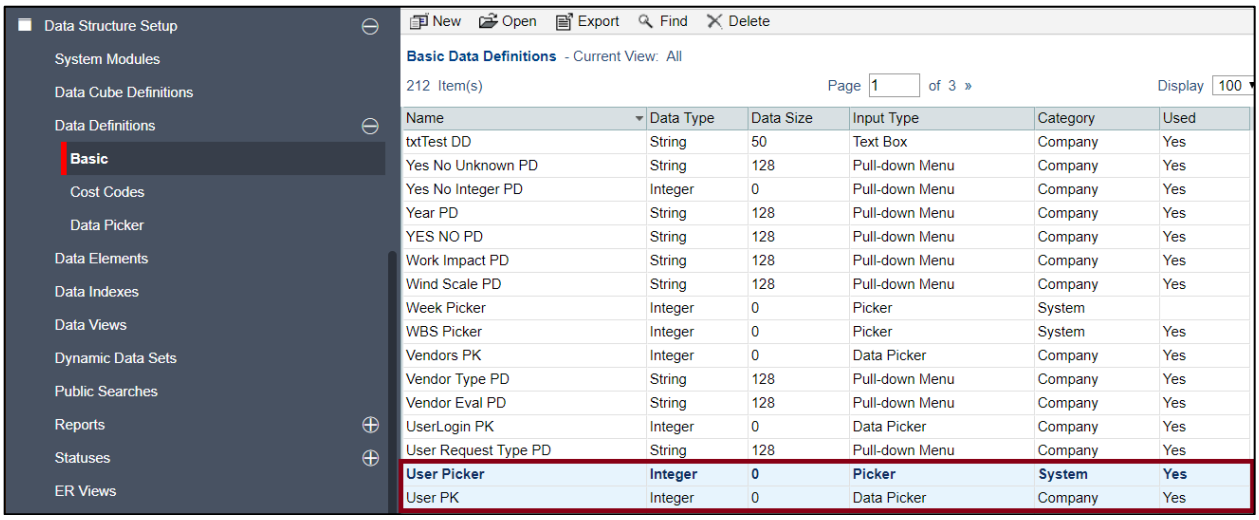
TECH TIP

USER PICKER VS. USER DATA PICKER
ORACLE PRIMAVERA UNIFIER

As a Unifier developer, you might have the following questions in BP design:

- What's the difference between USER PICKER and USER DATA PICKER?
- When should I use USER PICKER or USER DATA PICKER?

In today's topic, we are going to explore these 2 data definitions and give you recommendation on how to use these 2 data definitions in Unifier development.
To find the data definition, we go to **Company Workspace** > **Data Structure Setup** > **Data Definition** > **Basic**.



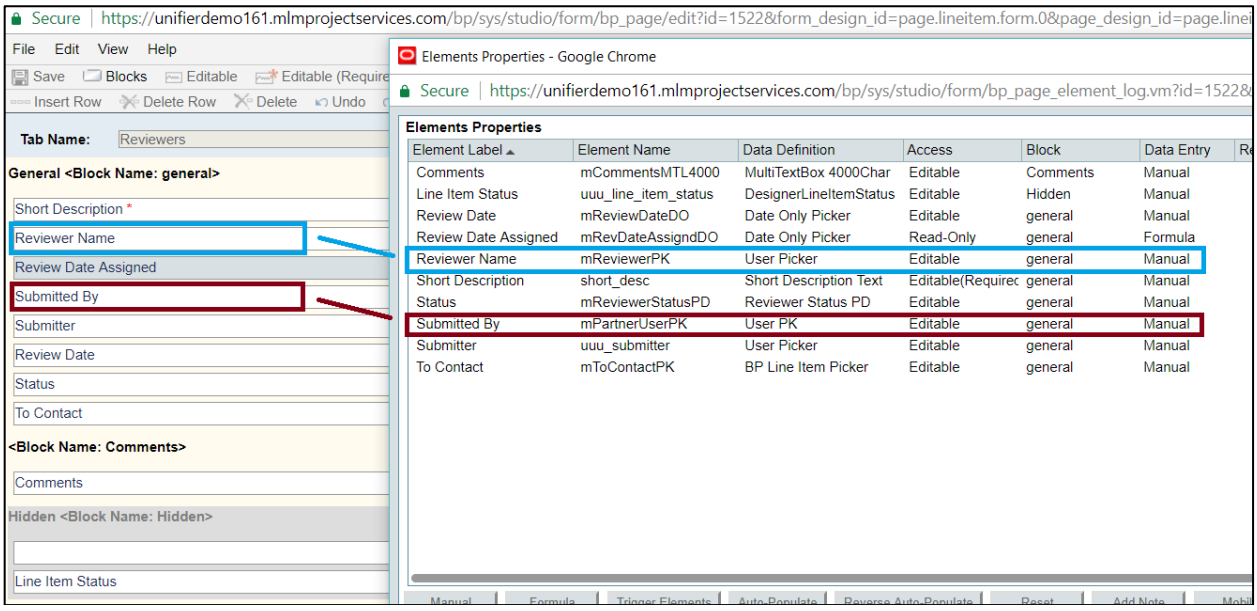
Name	Data Type	Data Size	Input Type	Category	Used
txtTest DD	String	50	Text Box	Company	Yes
Yes No Unknown PD	String	128	Pull-down Menu	Company	Yes
Yes No Integer PD	Integer	0	Pull-down Menu	Company	Yes
Year PD	String	128	Pull-down Menu	Company	Yes
YES NO PD	String	128	Pull-down Menu	Company	Yes
Work Impact PD	String	128	Pull-down Menu	Company	Yes
Wind Scale PD	String	128	Pull-down Menu	Company	Yes
Week Picker	Integer	0	Picker	System	
WBS Picker	Integer	0	Picker	System	Yes
Vendors PK	Integer	0	Data Picker	Company	Yes
Vendor Type PD	String	128	Pull-down Menu	Company	Yes
Vendor Eval PD	String	128	Pull-down Menu	Company	Yes
UserLogin PK	Integer	0	Data Picker	Company	Yes
User Request Type PD	String	128	Pull-down Menu	Company	Yes
User Picker	**Integer**	**0**	**Picker**	**System**	**Yes**
User PK	Integer	0	Data Picker	Company	Yes

From here, we really cannot tell too much difference except their names: User Picker's name is **User Picker**, but User Data Picker's name is **User PK**. So, let's go to an actual BP design to explore more detail.

We pick RFI BP as an example. Go to UDesigner and open the RFI BP, then open the detail form. There are two Data Elements: **Reviewer Name** and **Submitted By** with data definition of User Picker and User PK (User Data Picker) respectively.

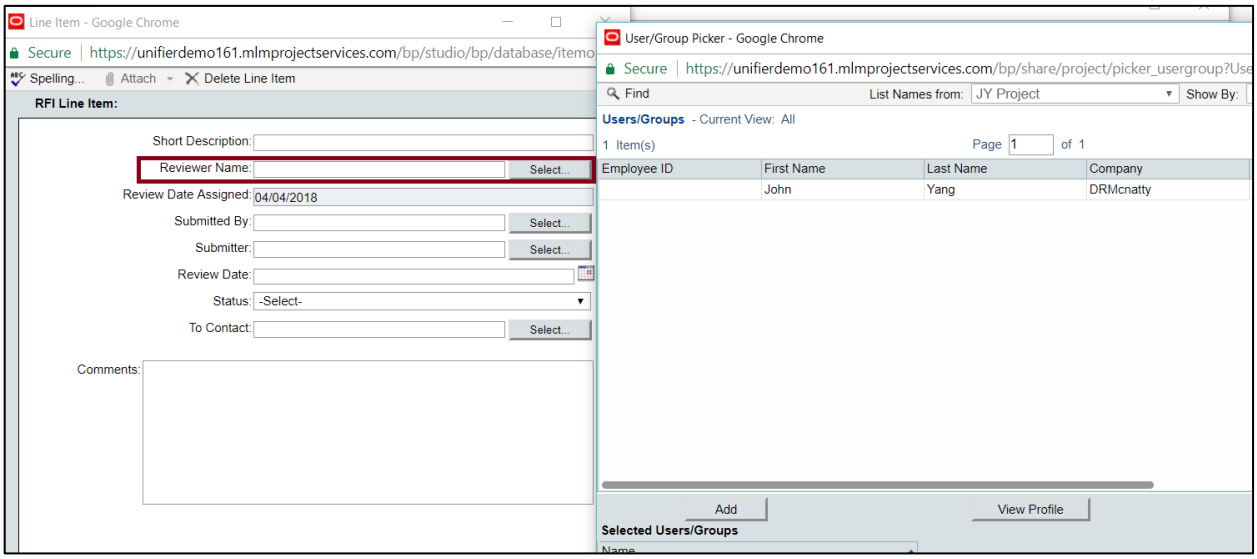
These tech tips are offered free of charge in the spirit of sharing knowledge with others. They do not include technical support, should you have a problem with them. We are always interested in how they can be improved, please do not hesitate to email us your comments. These tips have been thoroughly tested by our consultants in a variety of environments. Please read these tech tips thoroughly and be sure that you understand them before trying to use them. We can not be responsible for issues that develop because of the configuration of your hardware, technical environment or application of the tech memos. If you are not sure, then we urge you to contact Oracle technical support or your local support consultant for assistance.

USER PICKER VS. USER DATA PICKER



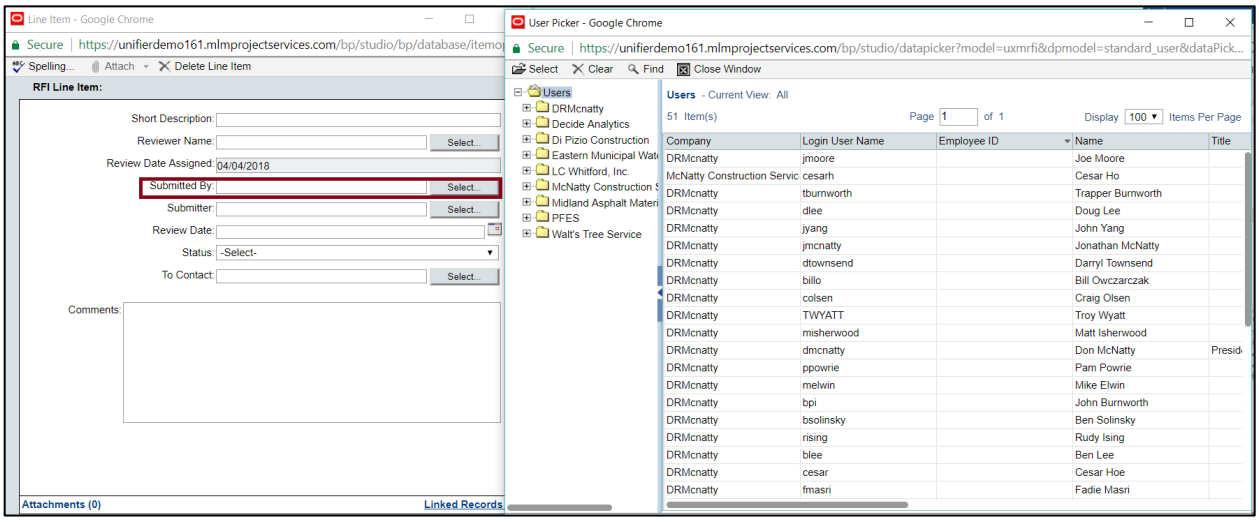
To check the behavior of these two data elements, we need to go to Unifier's Shell to create a BP record. After adding a line item and clicking **Select**… on each Data Element, we will see the difference:

- For **Reviewer Name**, we see only the Users with access granted to the Shell.



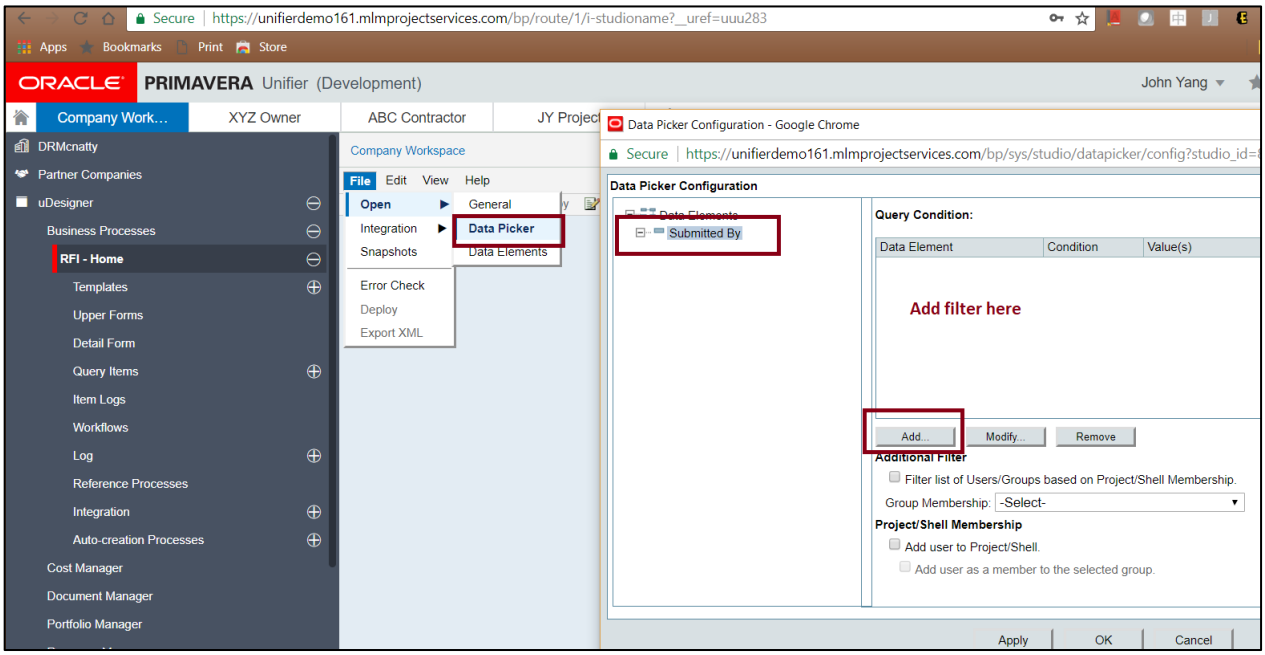
- But for **Submitted By**, we see the entire Unifier Users.

USER PICKER VS. USER DATA PICKER



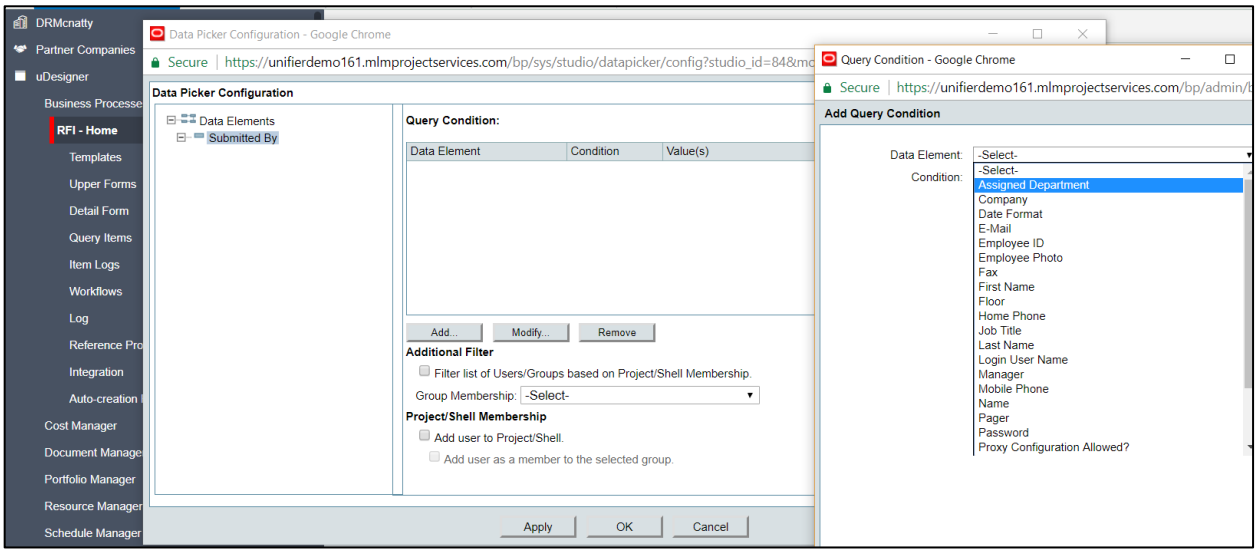
Now we can tell the major difference between these two.

To manage the User Data Picker's List, we navigate to UDesigner and open the BP again. At the **Data Picker Configuration** form (through **File** > **Open** > **Data Picker** > **Submitted By**), we can add filters to the Unifier Users by setting the Query Condition or Group Membership.

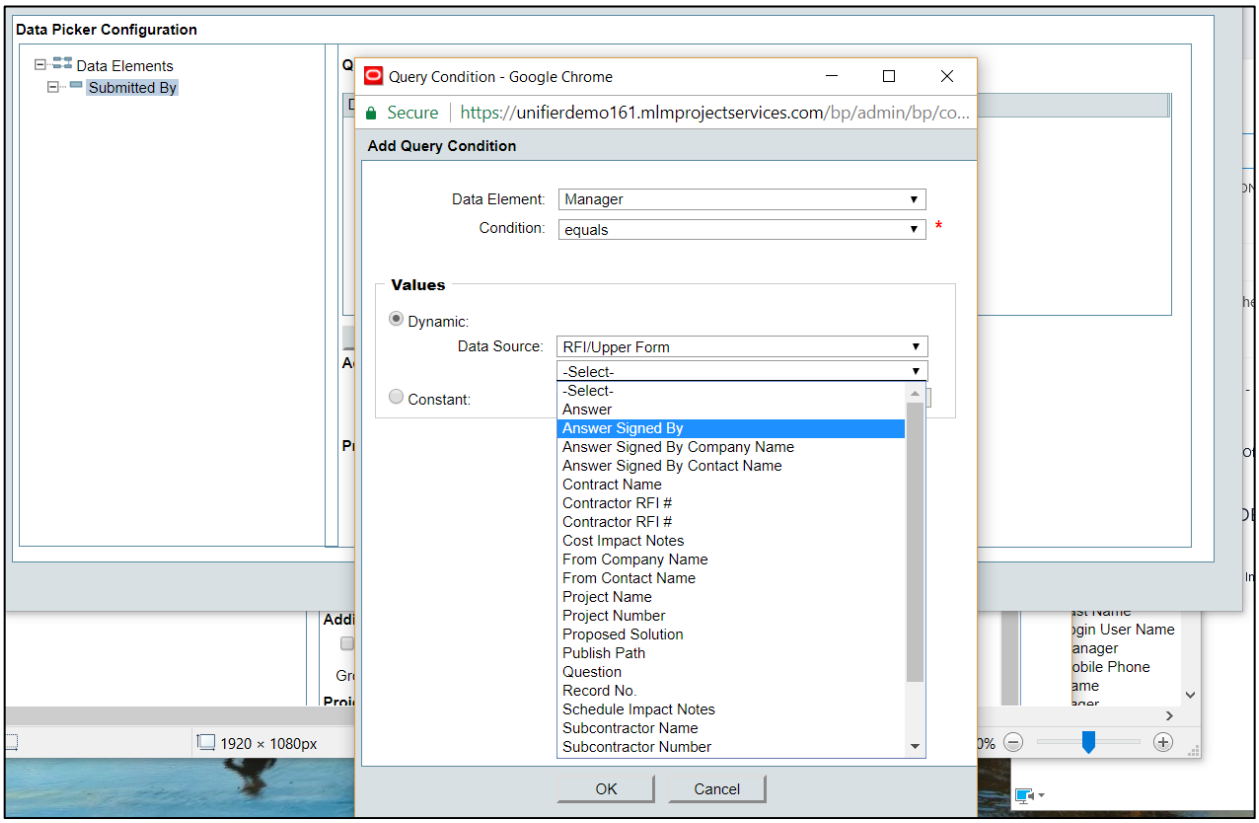


The Query Condition setup is based upon the User Attributes in the Unifier User Detail form.

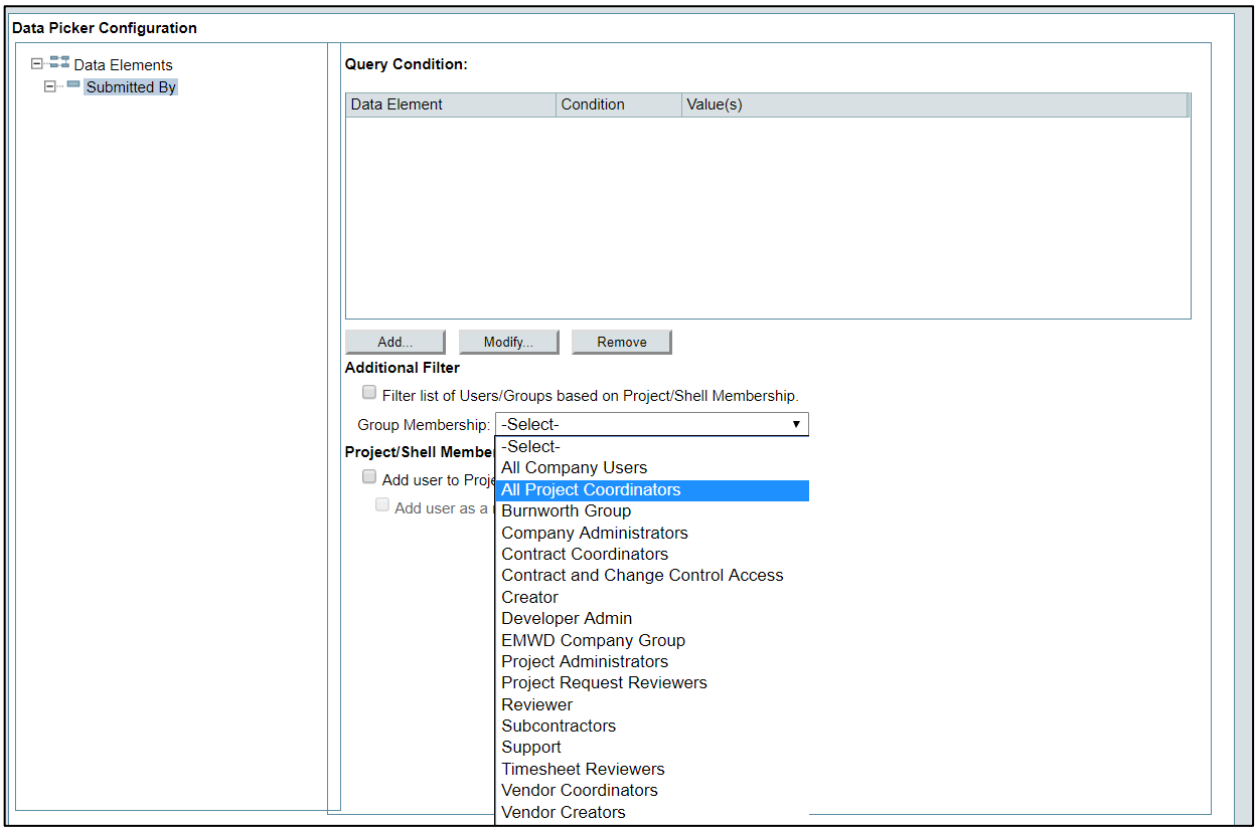
USER PICKER VS. USER DATA PICKER



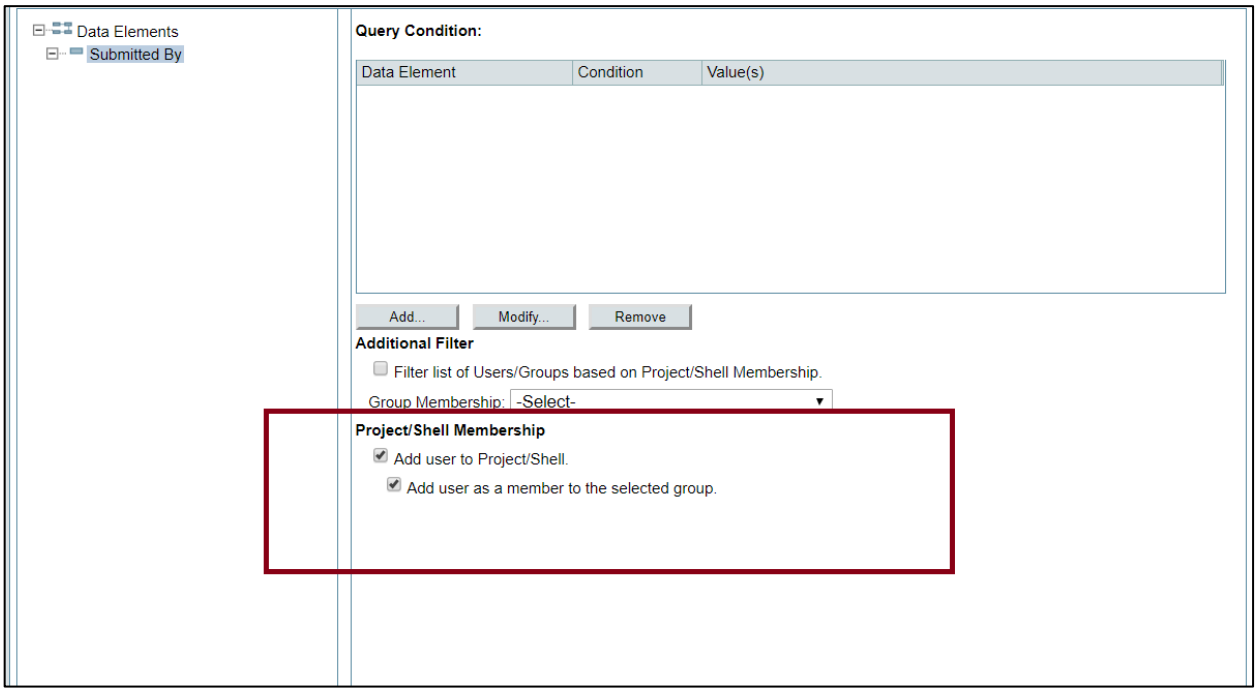
The query can be built against all Shells' Detail Form, BP's upper form, lower form or Shell's single record BP.



The Group Membership list shows the groups at the company level.



You can even add the selected users to Project/Shell as a project user or group member if the User Data Picker is on the upper form. (**Note: To use this option, the user data picker must be located on the upper form, not the detail form.**)



In conclusion, although User Picker and User Data Picker look similar, the usage purposes are different. System Architect or Developer need to fully understand their functionalities to achieve the optimal design. We summarize the features and recommendations as follows

- User Picker
  - The listed users are Shell users only. Unifier users without access to the Shell will not show in the list.
  - There is no way to control the list. All users for the Project/Shell will be included.
  - When there is a security requirement to allow **ONLY** project/shell users to be selected, use User Picker in the design.
- User Data Picker
  - The listed users are the entire Unifier users by default (including Company Users and Partner Users).
  - However, the list can shrink further by adding filters through query or group membership.
  - The extra feature is the selected users can be added to the Project/Shell as a project user or group member, if the Project/Shell membership option(s) is/are selected.
  - Because of the flexibility in building the Picker's list, using User Data Picker can fit to more complex requirement.