

- TD 5 -

Search and update persons

So far, we persisted persons with their corresponding information. Now we want to access the information stored to list all persons, to search for specific persons or to get some statistics. We use the same resources as for the other applications ([jdbc/gla](#) in the pool [GLAPool](#)).

1.No duplications

Modify the application developed previously in order to guarantee that statuses and addresses are not duplicated. More precisely, the acronym should be unique and every town should be registered only once. We should also ensure that persisted information is coherent - for example, if several persons have the same status then the status should be aware of all these persons.

We can also develop a singleton which allows to populate the DB with a certain number of persons. We can also print (regularly) the information in the DB (using an auxiliary class).

2. Update persons

We can use the results of a search to delete or update a registered person. We want thus to complete the previous interface to enable us not only to look but also to erase and update people:

The `Find` button initiates the search for a person with the specified `Id` and if such a person exists the corresponding fields are filled with the corresponding information. The `Update` button allows us to modify the information for the corresponding person while the `Undo` button allows us to cancel any changes made in the form and return to the saved version.

Civil Firstname: James Lastname: Bond Birthdate: 06-07-1977 Title Mr. Full title Mister	Address 1 Code: 54710 Town Ludres	Address 2 Code: 54500 Town Vandoeuvre-les-Nanc
Remove Update Undo		
Id: 4 Find		

You can use a single page (and probably a `ViewScoped ManagedBean`) or more pages (and possibly use `ViewParams` or a `SessionScoped/ConversationScoped bean`).

3. List persons

Another possibility to update the person related information is to list all the people and change some of them. You can start by proposing a page (and adapt the corresponding beans) to display the list of all registered persons.

Status	Firstname	Lastname	Birthdate
Mr.	Jackie	Sparrow	31.10.12
Mr.	James	Bond	31.10.12

We can then modify this page to be able to delete the displayed persons and possibly to change the corresponding information. We can consider deleting any status or address without a corresponding person.

Status	Firstname	Lastname	Birthdate	
Mr.	Jackie	Sparrow	31.10.12	Remove
Mr.	James	Bond	31.10.12	Remove

Status	Firstname	Lastname	Birthdate	
Mr.	Jackie	Sparrow	31.10.12	Remove Update Undo
Mr.	James	Bond	31.10.12	Remove Update Undo

In these cases, and especially for the last one you must be careful not to refresh the list of persons before the execution of the activities of the buttons.