HOWTO: "JOIN"

foobar.

There are two entities, say, Room and Building, where Room belongs to a Building and Building has a name. In order to display a list of Rooms and the name of the Building they belong to, one would simply do a JOIN in ordinary SQL:

SELECT Room.name, Building.number FROM Room JOIN Building ON Room.building = Building.id However, using the weave/bakery ORM it is not possibly to issue a custom query to the database engine. You can, however, do the following to obtain Rooms and the names of the Buildings they belong to in two steps:

- 1. Select the rooms, and
- 2. select the Buildings which id is in one of the Rooms building-references.

This can be written like this:

This will be translated to exactly two queries, no JOIN is done at all. The idea of how to deal with this data in Template is the following:

- 1. Pass both lists to the template
- 2. Refer to the entities via their id

This may look like this (Java):

Explanation

map() takes the anonymous Function created above which extracts the id form a room and returns a comparing Filter (which states "I am true if Person.id equals the number I got in my second parameter"). Since that function is mapped on the \$rooms we obtain a list of filters which are than connected by any() - which means, that all buildings that do have any one of the ids mentioned in the list constructed by map() are included in the result.

This is illustrated guite more beautiful in the following piece of pseudo-code:

Imports

You will need to import the following functions:

```
import static de.fu.bakery.orm.java.filters.*;
import static de.fu.junction.functional.F.*;
```