

Title	Showing the total number of instances in a query.
Product	Integranova Model Execution System
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## Showing total instances number

### 1 Introduction

The Population Interaction Units allow showing and interacting with several instances, and they retrieve the population of instances by blocks. The user can get feed-back about the number of instances loaded and showed in the Interaction Unit in each block load. But until now it is not possible to know the total number of instances of the data base that satisfy a particular query until the user has requested for all the blocks.

From now on the Integranova Business Logic layer<sup>1</sup> will be able to return the total number of instances that satisfies a query. So the User Interface layer will get this information to give more valuable feed-back.

### 2 Description

As it has been mentioned, the User Interfaces will use the information returned by the Business Logic layer in order to show it in the Population Interaction Units but, taking into account that this information will not be calculated in all the queries. So, if this information is not available<sup>1</sup>, the behavior will be the same as in the current version of Integranova User Interfaces.

### 3 How does this feature work?

Integranova Desktop C#.NET 2.0 User Interface will show the total number of instances that satisfy a particular query in the information label of the grid, where is being showed the number of instances loaded in each moment. So, instead of showing "x/..." (where x represents the number of instances showed), it will showed "x/N" (where N represents the total number of instances that satisfy the suitable query).

The Integranova Model Execution System for WEB user interfaces will show the total number of rows, when possible, and the ordinal position of the first and last instance being shown.

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<sup>1</sup> This information will not be returned in all the queries. Please have a look into Business Logic layer documentation in order to give more details.