



## SNModelListManagement

### **Description**

SNModelListManagement is a simple example that shows how you can use the SNVision recognition module to manage your database.

### **Notice**

To execute this program, you must have the recognition module SNVision Library. (SNVision.dll)

### **SNVision functions used**

- SNCreat( void )  
//Creates a single instance of the SNVision
- SNLoad(LPCTSTR pszFileName )  
//Load the models from a "snm" file
- SNSelectAll(BOOL bSelect );  
//Select all the models
- SNGetSelCount( void )  
//Return the number of selected models
- SNGetSelected(DWORD dwMaxModel, LPDWORD rgSelectedList )  
//Return the model identifier of all the models selected within the database
- SNGetLogicalName(DWORD dwModelId, LPTSTR \*pszLogicalName )  
//Return the name of a model
- SNSelect(DWORD dwModelId, BOOL bSelect )  
//Select or not a model
- SNSave(LPCTSTR pszFileName )  
//Save all the selected models to a "snm" file
- SNClear( void );  
//Delete all the models
- SNGetInfo(DWORD dwModelId, LPMODELINFO pModelInfo)  
//Return all the information about a model
- SNRemove( void )  
//Removes the single instance of the SNModel

### **Different steps**

1. Load the model list
2. Find models satisfying a criterion
3. Modify these models
4. Save the model database into a destination "snm" file

### What you should see

```
SNListManagement example

Enter a source model file: MixedModels.snm
Enter a destination model file: AnimalsOnly.snm

*****
* Numbers of models loaded: 10 *
*****

Model: animal-001
ID: 1
Width: 50
Height: 50
Threshold: 35
Details: 35
isSelected: True
isEnabled: True
Rotate: 0
Zoom: 100
Size Max: 100
Size Min: 100
HeightRef: 50
WidthRef: 50
Logical Name: animal-001, 11 characters
Description: color 0, 9 characters
File Name: , 0 characters

Model: animal-002
ID: 2
Width: 50
Height: 50
Threshold: 35
Details: 40
isSelected: True
isEnabled: True
Rotate: 0
Zoom: 100
Size Max: 100
Size Min: 100
HeightRef: 50
WidthRef: 50
Logical Name: animal-002, 11 characters
Description: color 1, 9 characters
File Name: , 0 characters
```

information about the first model

The ID identifies a model among the models of the database