

CDI

Art Gallery Project – Part 2

Programming Techniques

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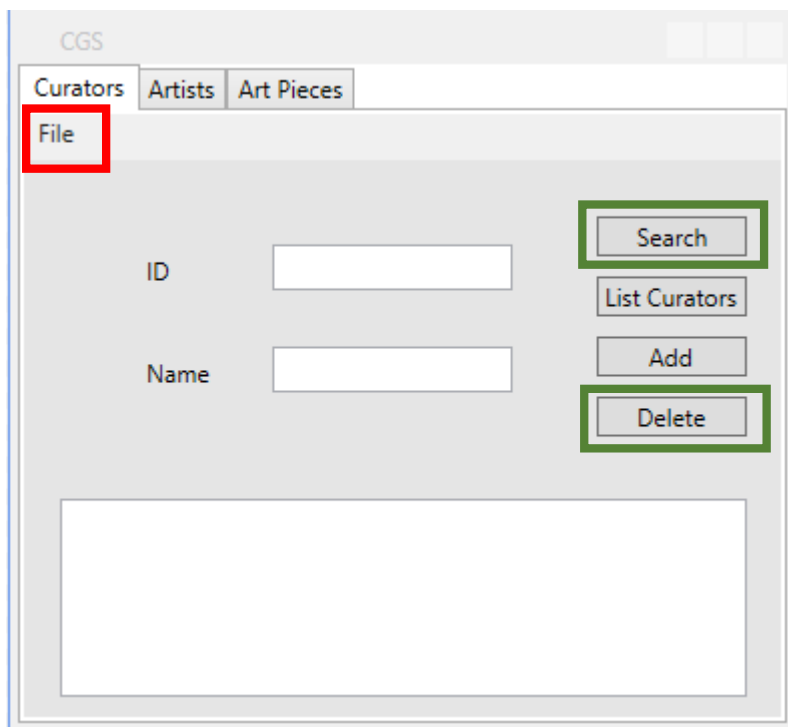
Problem Recognition and Initial Definitions

Project uses the library created for the part 1 of this project with a small alteration:

- Methods ReadCurators and WriteCurators as demanded in the project assignment.

In the assignment all the screens are referred as forms, but using the WPF application it creates a Window instead. So, to practice both formats, there are 2 screen created as Windows (MainWindow and CGSArt) and 1 created as a Form(SellPiece).

Observation: the screens are not designed the same way that the assignment, but contains the same base functionality and include some new. For example, in the Curators tab showed above, the menu File contains the Read and Save action (to read or write curators in a file), and there are two new functionalities (Search and Delete).



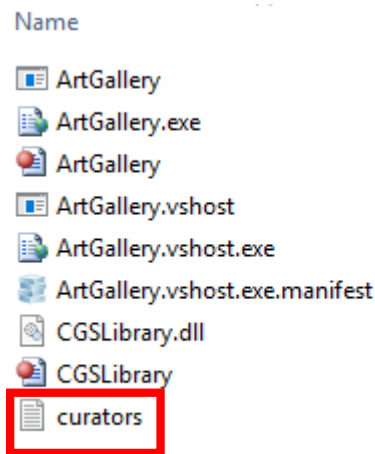
Saving and Reading Curators

The system can save registered curators add in the system to a file, or upload all the curators in the file to the system.

By default the file doesn't exist at the beginning of the program, but its created when the user press the Save option.

If the user tries to Read curators from the file before saving curators, the system shows a message indicating that isn't possible to update the curators in the system.

Once the file is created, it's called "curators.txt" and it's saved on the same folder as the executable file (..\ArtGallery\ArtGallery\bin\Debug).



Search and Delete Functionality

For those functionalities to work the user needs to enter the ID before press the button, but it's not necessary to fill the other fields.

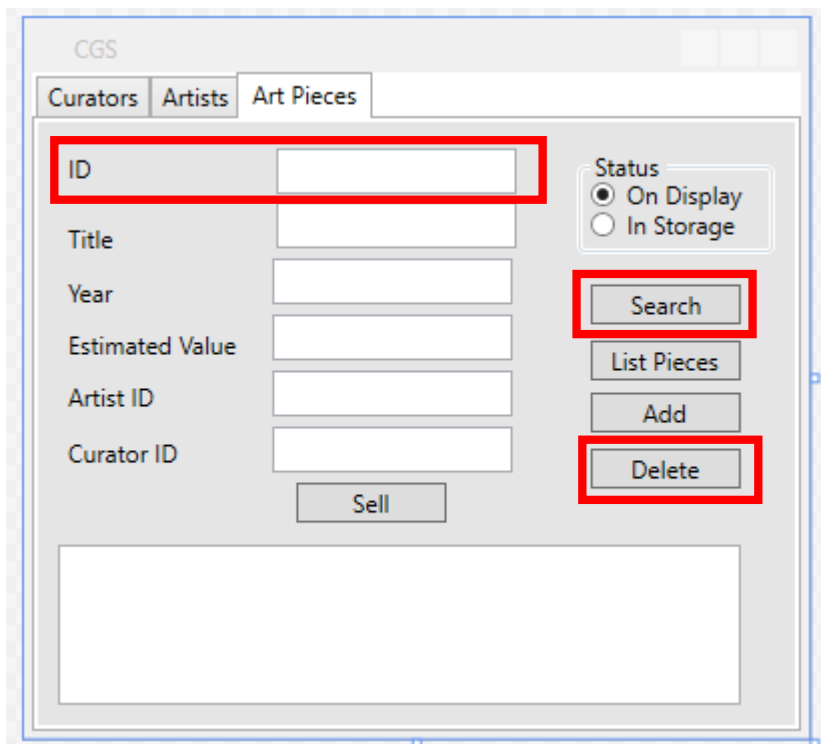


Figure 1

Delivery

The project has 2 folders with coding with the following content:

- CGSLibrary (Class Library Project): contains the implementation of the classes Person, Artist, Curator and the modified class Gallery.
- ArtGallery (WPF Application Project): contains the implementation of the ArtGallery class using the CGSLibrary reference.

Upgrades

- Upgrade information's registered.
 - Ex: change curator associated with an art piece, change estimated value of an art piece
- Login using Enter key