

Transaction Logic

The term transaction logic is used to describe all activities which are executed from the beginning to the end of a logical transaction.

A logical transaction also comprises all data modifications which have been confirmed as a unit by the end user.

Logical transactions are supported by the frames for main dialogs, subdialogs, and modal windows. The start and end of transactions takes place in a main dialog.

The following topics are covered below:

- Transaction Logic of the Modification Functions
 - Cancelling a Transaction
-

Transaction Logic of the Modification Functions

The frame gallery transaction logic guarantees that data modifications resulting from a single transaction are either all applied or are not at all applied to the database.

The user receives a personal copy of the data records to be modified. This copy is identified using a user identifier and a unique time stamp for the transaction.

All modifications are initially applied to the preliminary copies only. Only at the termination of the transaction are the modifications applied to the original database.

Cancelling a Transaction

In that data modifications are only applied to preliminary files of the original data, all data modifications can easily be removed by simply deleting the preliminary files and any possible locking markers.