Database Management System

Select records (*.trd file)

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Copyright Declaration

Function

Read the *.trd file of the specified table, and select all record, then display in the list view CRecordsView.

1. Input

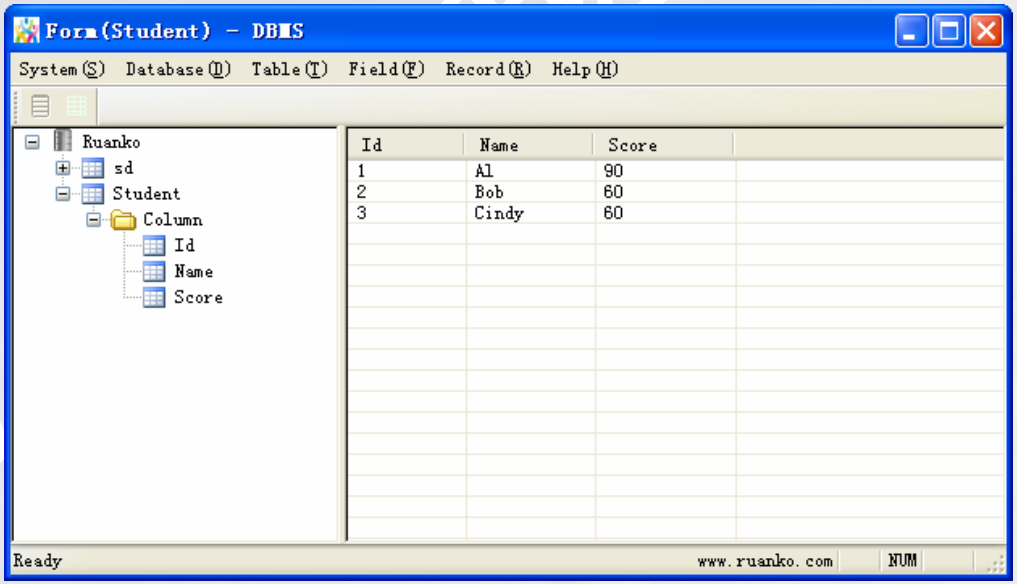
Select a table in the tree view, click on menu “record ->select record”.

2. Process

Read the record data from record file (*.trd) line by line based on the file sequence that record in the table definition file (*.tdf).

3. Output

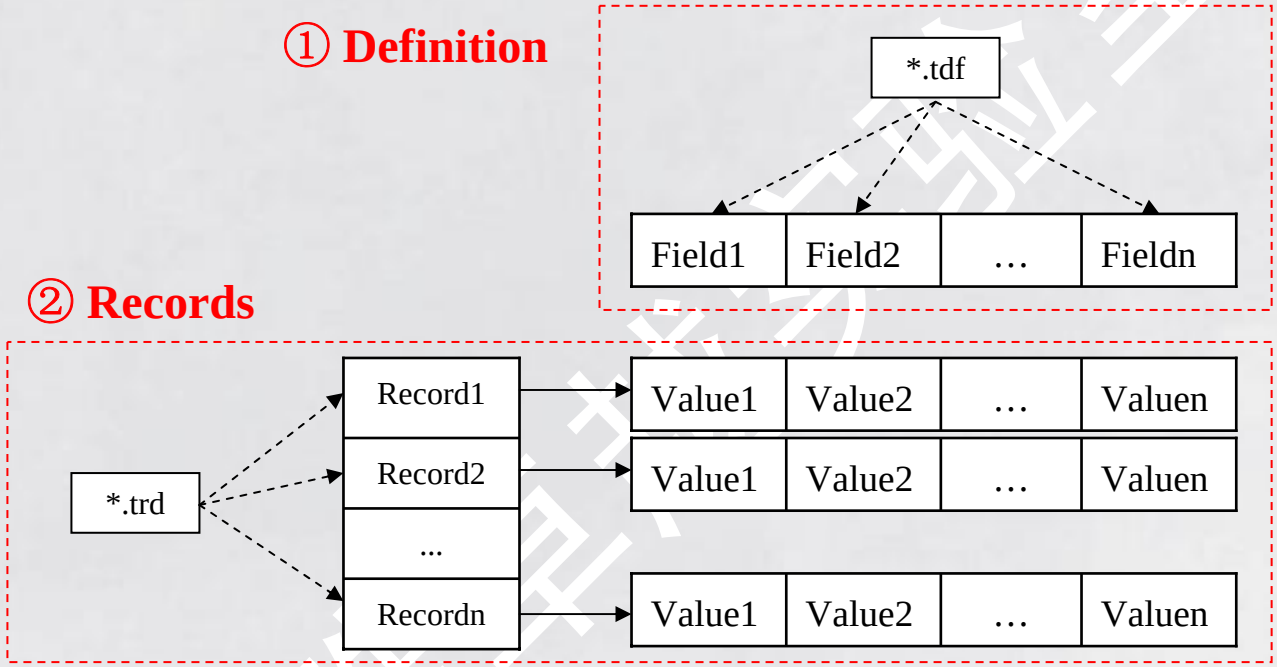
Display the queried record in list view CRecordsView.



Design

Iterative development based on the “insert record” function.

When query record, read the query table structure of table definition file (*.tdf) first, and read the data in the record files (*.trd) based on the table structure, then return to the logic layer.



Create CRecordDao::SelectAll() function, and query all reocrds in the specified table.

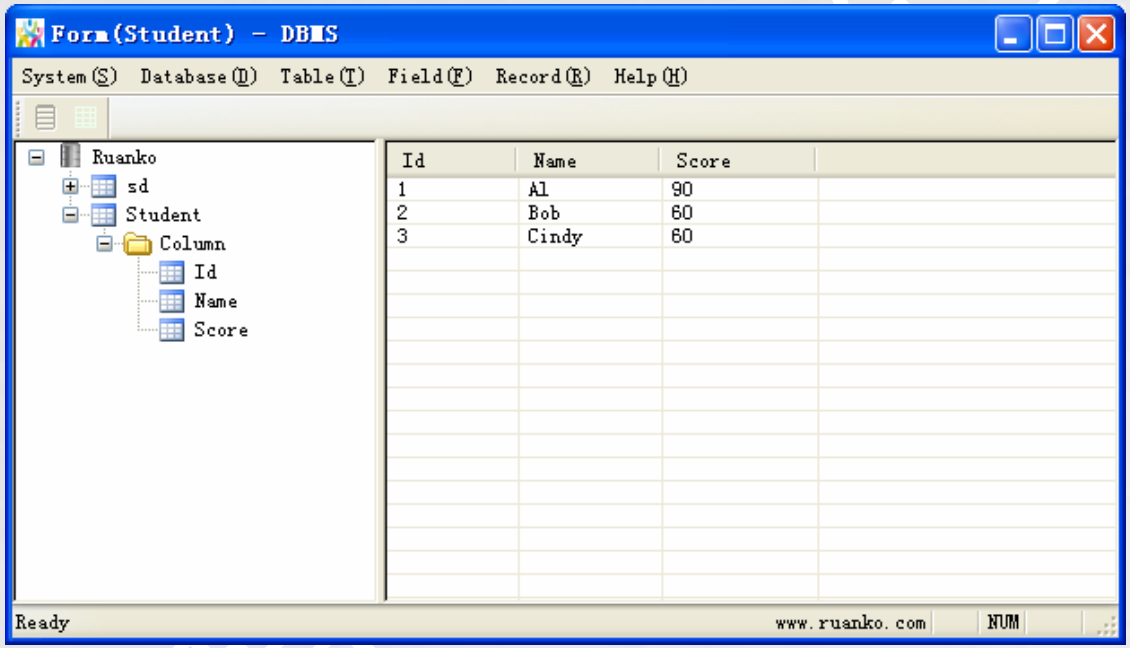
Define array m_arrRecord in the document class CRKDBMSDo, and save the queried record.

Create the list view CRecordsView, and display the query results.

Design

1. Interface design

Add a list view CRecordsView for displaying record information. The line head of list is the table filed name. The content in each line is the value of each field in a record.



When select the menu “record -> Select record”, switch the right side view in separate window to CRecordsView by CSpliterWnd::CreateView() function.

2. Data transfer

Select the wanted table name in the tree view CDBView by mouse.

Through the **menu** "record -> select record" message response function, get the record in the table by the way of calling document class, then display the record in the list view CRecordsView.

(1) **Frame class** CMainFrame

CMianFrame::OnOpenTable() call the document class of CRKDBMSDoc::LoadRecord() function to query record.

(2) **Document class** CRKDBMSDoc

CRKDBMSDoc::LoadRecords() call the CRecordLogic::SelectAll() function, and transfer the wanted table information m_pEditTable to business logic layer, and get the record array that queried.

(3) **Logic class** CRecordLogic

CRecordLogic::SelectAll()function call the CRecordDao::SelectAll() function to get record array.

(4) **Data access class** CRecordDao

The CRecordDao::SelectAll() function read the “*.trd ”file, and get record information, then return to the logic layer through **CReocrdEntity array.**

(5) **View class** CRecordsView

Send UPDATE_OPEN_TABLE message by calling CRKDBMSDoc::UpdataAllViews() function, and notify view updated. After the CRecordsView receive the message, display the record information.

Implementation

Iterative development based on the “insert record” function. Query all records in this table from record file (.trd) based on the table structure, and display record in the list view CRecordsView.

The implementation steps are as follows:

Step 1: Add list view CRecordsView

Step 2: Select records in the data access layer CRecordDao

Step 3: Select records in the business logic layer CRecordLogic

Step 4: Display record in the view layer CRecordsView

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Thanks

Select records