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Course: Data Base A

Data base manager system

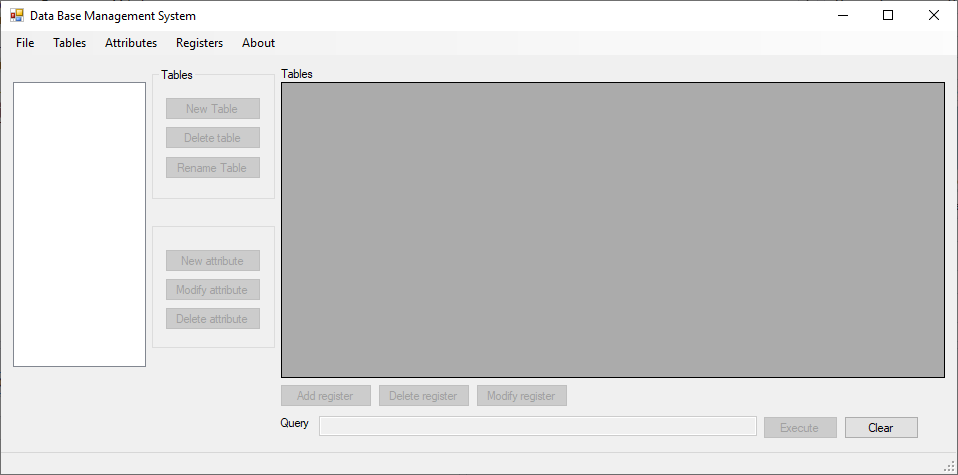
Data Base A project

# Installation

To install the project, unzip in the desired location. This will create the DBMS executable.

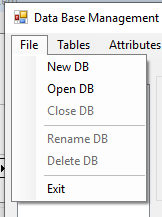
# Executing the program

To launch the program, double click on exe. The following screen will show up:



In the left control, the current database tables can be located. Controls to the tables and attributes are next to this control. The tables are shown in the right control. Register operations buttons are in the bottom. Query sentences can be executed at the bottom textbox.

The menu bar is located at the top, it contains all the basic commands, and every button action in the program. You can resize and minimize the window. This program automatically saves the database after every action (insert register, delete register, modify register, etc.).

In the “File” menu you can find these commands:

**New DB:** create a DB folder in the preferred location with name.

**Open DB**: open a DB folder: this must be exclusively a folder created with this project. If any other folder is opened, it will cause error.

**Close DB:** closes currently opened database.

**Rename DB:** rename the current database

**Delete DB:** deletes currently opened database from Windows explorer

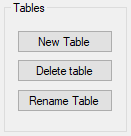
**Exit:** closes the program

# Managing databases

## Create, delete and rename tables

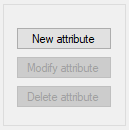
Different actions can be done in databases that are opened or created. The first thing to do is to create Tables. Select “New table button” to create tables. You can also rename a table or delete it by just click on the name in the left control, and then click on “Delete table” button, or “Rename table” button.

A table can only be deleted or renamed only if it it’s primary key is not used as foreign key in another table.



## Add, modify or delete attributes

A table must be selected to make attributes operations. After selecting a table in the left control, you can add, remove or modify an attribute.

Clicking on “**New attribute”** button opens a dialog. You must enter all attribute metadata to add an attribute to the table.

The modify and delete buttons are only activated if the current table has no registers. If a table has registers you can delete all registers and the buttons will be activated.

To delete and modify and attribute, first you must select it’s column name from the data grid. Then the buttons will be activated.