

Open File (database) using OpenFileDialog & Save (New) File using SaveFileDialog component

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1. Create an MDI parent form and insert menu with Open and New.
2. Create another form as MDIChild with a TreeView control in it.(Refer my previous article of How to populate a TreeView control from an Access database....!)
3. On menuOpen_Click event add the given codes....

```
private void menuFileOpen_Click(object sender, System.EventArgs e)
{
    OpenFileDialog openDlg = new OpenFileDialog();
    openDlg.Filter = "DataBase Files (*.mdb)|*.mdb";
    openDlg.FileName = "";
    openDlg.DefaultExt = ".mdb";
    openDlg.CheckFileExists = true;
    openDlg.CheckPathExists = true;

    DialogResult res = openDlg.ShowDialog();

    if(res == DialogResult.OK)
    {
        if ( ! ( openDlg.FileName ).EndsWith(".mdb") && ! ( openDlg.FileName ).EndsWith (".MDB") )
            MessageBox.Show( "Invalid file format...!" ,
                            "Prajeesh" , MessageBoxButtons.OK ,
                            MessageBoxIcon.Exclamation );

        else
        {
            TreeView tree = new TreeView();
            tree.Close(); //ActiveMdiChild.Close();

            DatabaseName = openDlg.FileName;

            //Initialises the connection with the database with the
            datasource as "DatabaseName"
            TreeViewLoad( DatabaseName );
        }
    }
}
::-----:
public void TreeViewLoad(string dbName)
{
    TreeView tree = new TreeView();

    //passes the DatabaseName to the TreeView class.
    tree.DatabaseName = dbName;
    tree.MdiParent = this;
```

```
        tree.Show();  
    }
```

5. Create a template database as a source.

4. On menuNew_Click event add the given codes....

```
SaveFileDialog saveFileDialog = new SaveFileDialog();  
saveFileDialog.Filter = "Database File (*.mdb)|*.mdb" ;  
saveFileDialog.Title = "Create New Database";  
saveFileDialog.RestoreDirectory = false;  
if(saveFileDialog.ShowDialog() == DialogResult.OK)  
{  
    TreeView tree = new TreeView();  
  
    // Template database path  
    string sourceFile = @"C:\prajeesh\My  
Documents\SampleProject\Template.mdb";  
    DatabaseName = saveFileDialog.FileName;  
  
    try  
    {  
        File.Copy ( sourceFile , DatabaseName ) ;  
        TreeViewLoad ( DatabaseName );  
    }  
    catch ( Exception ex )  
    {  
        MessageBox.Show( ex.Message ) ;  
    }  
}
```

In the TreeView class you can do the following on form load event
Initialises the database connection

```
private string Provider = "Microsoft.Jet.OLEDB.4.0";  
private string User = "Admin";  
private string Password = "";  
private string Mode = "ReadWrite";  
public string DatabaseName;  
  
private void TreeView_Load(object sender, System.EventArgs e)  
{  
  
    this.dbConnection = new System.Data.OleDb.OleDbConnection();  
  
    StringBuilder strBuild = new StringBuilder();  
    strBuild.AppendFormat( "Provider={0};Password=\"{1}\";User ID={2};Data  
Source={3};Mode={4}",  
        Provider, Password, User, DatabaseName, Mode );  
  
    dbConnection2.ConnectionString = strBuild.ToString();  
}
```

~~~ End of Article ~~~