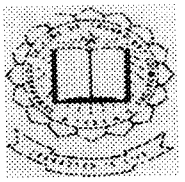
EXECUTIVE DOCUMENTING TOOL



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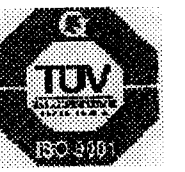


ISO 9001:2000
Certified

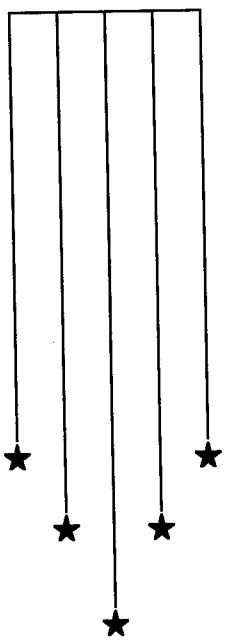
PROJECT REPORT

Submitted by

John Paul.H
Karthikeyan.C

Under the guidance of

Ms.S.Venkata Lakshmi B.E.



In partial fulfillment of the requirements for the award of degree of
Bachelor of Science Applied Science
Computer Technology
of Bharathiyar University, Coimbatore:641 046 .

DEPARTMENT OF COMPUTER TECHNOLOGY

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE:641 006.

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE:641 006

Estd-1984

ISO 9001:2000 Certified

Department of Computer Technology

Certificate

This is to certify that this project entitled

EXECUTIVE DOCUMENTING TOOL

has been submitted by

Mr. JOHN PAUL.H , KARTHIKEYAN.C

In partial fulfillment of the requirements for the award of degree of

Bachelor of Science Applied Science Computer Technology

of Bharathiyar University, Coimbatore:641 046

during the academic year 2002-2003.

(Guide) **(Head of the Department)**

Certified that the Candidate was Examined by us in the Project Work Viva-Voce Examination held on 24.03.2003

University Register Number 0028Q0130, 0028Q0134

(Internal Examiner) **(External Examiner)**

ACKNOWLEDGEMENT:

An endeavor over a long period, can be successful only the advice and support of many well wishers. We take this opportunity, to express our gratitude and appreciation to all of them.

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Above all we owe our gratitude to our parents and friends for their support and GOD for showering abundant blessings on us.

Sincerely yours,

John Paul.H

Karthikeyan.C

SYNOPSIS

SYNOPSIS:

This project is mainly focused to attract the beginners. This is also an utility software package which allows the user to use the various text editing features. An environment is provided which is highly user friendly. Text can be converted from one language to other language.

This text editor has the same feature as other editor .A direct tool is available for conversion of text entered by the user from one case to other case .

This project is aimed at developing utility software package. User can enjoy the following facilities which are implemented in visual basic are

- This word editor includes all the basic features which has found in other text editor such as editing, viewing and formatting commands.

- It provides a very high user friendly environment .So that other language user can make use of this editor in a very efficient manner.

- It also allows the user to convert the entire text from English language to Tamil language.

- Direct conversion of text entered from one case to other case and vise-versa.

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- INTEGRATION TESTING
- VALIDATION TESTING

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- SAMPLE FORMS

INTRODUCTION:

This project is mainly focused to attract the beginners. This is also an utility software package which allows the user to use the various text editing features. An environment is provided which is highly user friendly. Text can be converted from one language to other language.

This text editor has the same feature as other editor .A direct tool is available for conversion of text entered by the user from one case to other case .A separate window tool is provided which generates a horizontal files, vertical files and a cascading files.

The window tool bar provides a environment in Tamil environment by clicking the Tamil sub menu. The Tamil environment can be changed to English by clicking the English sub menu.

PROJECT OVERVIEW:

This project is aimed at developing utility software package. User can enjoy the following facilities which are implemented in visual basic and it includes all the basic features of other text editors such as editing , viewing & formatting commands. This provides an user friendly environment which makes the other language users to make use of it comfortably. This contains a special converter (BCU) that allows the user to convert the text from English language to Tamil language where the pronunciation remains the same .

This word editor includes all the basic features which has found in other text editor ,in addition it provides a Tamil language environment with all the options like editing , viewing and formatting.

A direct tool is available for conversion of text entered by the user from one case to other case with a complete font library.

A separate window tool is provided which permits the user to view more than one file at a time . The color of the font can also be changed using this tool.

PROJECT DESCRIPTION:

This project is mainly focused to attract the beginners. This is also an utility software package which allows the user to use the various text editing features. An environment is provided which is highly user friendly. Text can be converted from one language to other language.

This text editor has the same feature as other editors .A direct tool is available for conversion of text entered by the user from English to Tamil language. A separate window tool is provided which generates a horizontal files, vertical files and a cascading files.

The text can be entered by the user ,formatted as required and saved.

The project has three modules .They are,

- ***A WORD PROCESSOR (ENGLISH).***
- ***A ENGLISH – TAMIL ENVIRONMENT CONVERTOR.***
- ***A BILINGUAL CONVERSION UNIT(BCU).***

WORD PROCESSOR:

- **It gives the user faster access to developing documents that are better than simple text with all the advanced features.**
- **It includes essential features like a font library that gives the user a variety of fonts to use.**
- **The entire text entered by the user can be converted from lower case to upper case and vice-versa.**

ENGLISH-TAMIL ENVIRONMENT CONVERTER:

- **It converts the whole environment to Tamil.**
- **The caption of menus & status bar are stored in the temporary file (.ini).**
- **For Tamil environment, the equivalent Tamil words are read from the file and replaced.**

BILINGUAL CONVERSION UNIT:

- **It converts the text in English to Tamil.**
- **It contains two separate columns, one to enter the English text and the other for the output i.e. the converted text in Tamil.**
- **The pronunciation remains the same.**

ALGORITHM:

- **Two fonts required (Arial & Mcl-Mangai) to convert the entire text in English to Tamil.**
- **The equivalent English characters for each letter in Tamil is first stored in an array of string i.e. (246 characters + special characters).**
- **The maximum number of letters required for this is four. Eg: "zhai" The possible number of characters are four, three, two and one.**
- **The BCU checks in the descending order (4 to 1). First it checks for four.**
- **When the character is found, the equivalent Tamil character is printed from the array.**
- **If not it checks for the next possible number of characters. (three)and so on.**
- **If none of them coincide it checks for the special characters and gives the output.**
- **The coding is done in C and linked to the V-Basic through Dynamic Link Libraries.**

SYSTEM STUDY:

The project is being developed on the basis of analysis and references of its corresponding processes. The main function of the project is as follows

- **Text entered by the user can be edited by using various editing commands.**

- **The entire environment can be converted to any language according to the user wish.**

- **The text entered by the user can be converted from one language to any language according to the user wish.**

EXISTING SYSTEM:

When compared to proposed system the existing system has the following limitations

- **Time consumed in loading of certain components is very high.**
- **There is no separate language environment provided.**
- **Translation of text from one language to other language is not possible.**
- **No separate direct tool is provided for conversion of text from one case to other.**

PROPOSED SYSTEM:

The proposed system has the following advantages which eliminates some of drawbacks which exists in the present word processor.

- **Using tools of VISUAL BASIC 6.0 as Front End it reduces the consumption of time and manpower.**

- **It doesn't want to load any additional components as found in the other text editors hence time is reduced.**

- **The retrieval of information is very easy and the output produced is quite simple to understand.**

- **A separate additional tool is provided which converts the text from one case to other case.**

- **Other language users can make use of this system very easily.**

All these features make-up the proposed system a successful one.

SYSTEM REQUIREMENT SPECIFICATION(SRS):

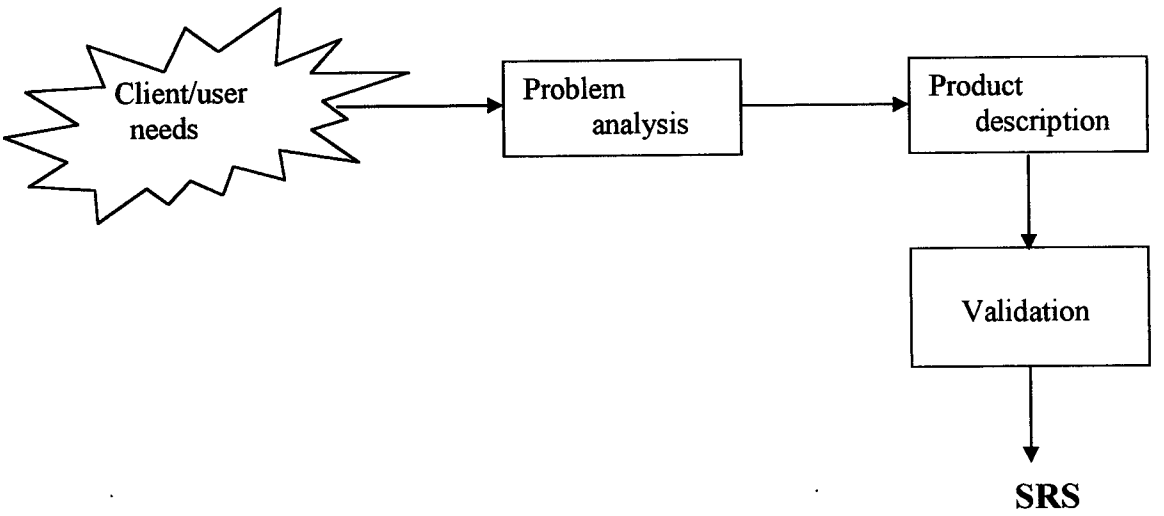
A high level quality SYSTEM REQUIREMENT SPECIFICATION is a document that describes WHAT the PROPOSED software should do without describing how the software do it.

In the "requirement phase", the basic goal is to produce the SRS requirements change frequently.

Hence the quality of the SYSTEM REQUIREMENT SPECIFICATION impacts the following

- User(and developer)satisfaction.
- System validation.
- Quality of the final software.

During "Requirement Analysis", the focus is on understanding the system and its requirements. Various structures are used during the analysis to represent the information to help view the system as a series of abstractions.



DIAGRAMATICAL REPRESENTATION OF SRS

BUSINESS PROCESS RE-ENGINEERING(BPR):

The redesigning strategic process in businesses is nothing but business processing re-engineering or process invocation. The BPR projects begins with the following requirements.

Begin organizational change:

- Asses the current state of the organization.
- Explain the need for change .
- Illustrate the desired state.
- Create a communication campaign for change.

Building the re-engineering organization:

- Establish a BPR organizational structure.
- Establish the roles for performing BPR.
- Choose the personnel who will re-engineer.

Identifying BPR opportunities:

- Identify the core/high-level processes.
- Recognize potential change enablers.
- Gather the performance metrics within and outside the industry.

Understanding the existing process

- **Understand why the current steps are being performed.**
- **Model the current process.**
- **Understand how technology and information is currently used.**
- **Understand the current organizational structure.**

Re-engineering the process

- **Ensure the diversity of the reengineering team.**
- **Evaluate the impact of new technologies.**
- **Consider the perspectives of stack holders.**

Blue print the new business system:

- **Define the new flow of work**
- **Model the new process and requirements.**
- **Record the new personnel management systems.**

Perform the transformation:

- **Develop a migration strategy.**
- **Create a migration action plan.**
- **Establish the new organizational structures.**

PRE-REQUITIES AND SECURITY

HARDWARE REQUIREMENT:

The minimum hardware configuration used is as follows

MODEL	**PENTIUM**
MAINPROCESSOR	**INTELPROCESSOR**
CLOCKSPEED	**300 MHZ**
RAM	**64 MB SD_RAM**
HARD DISK	**4.3 GB HDD**
FDD	**1.44 MB**
MONITOR	**14-INCH COLOR MONITOR**
PORTS	**2PP 1SP**
KEYBOARD	**108 KEYS**

SOFTWARE REQUIREMENT:

FRONT END: VISUAL BASIC6.0

PLATFORM:WINDOWS 98

SOFTWARE PACKAGES USED:

VISUAL BASIC 6.0:

VB is an efficient graphical user interface(GUI). It is connected to the backend by using ADO active-X method. The connectivity is totally flexible and easily extensible to any backend through ODBC and OLEDB list of software drives. VB is not a language, but an integrated development environment.

In access all the primary building blocks of any access database. Access forms serve two functions to present the data in a table which is very easy to view or update.

The performance of windows 98 makes it an ideal choice for today's organization. The platform supports the programs efficiently. It is an operating system where the programs run effectively and are secured.

Micro-soft visual basic the fastest and easiest way to create

applications for Ms-windows. The "visual" part refers to the method used to create the GUI, Rather than writing numerous lines of code to describe the appearance and location of interface elements.

The "basic" part refers to the BASIC language, a language used by more programmers than any other language in the history of computing. visual basic has evolved from the original BASIC language and now contains hundreds of statements, functions and keywords, many of which relate directly to the Windows GUI. The Visual-Basic programming language is not unique to visual-basic. The Visual-Basic programming system (VBPS) ,applications edition included in
MS-EXCEL, MS-ACCESS and many other Windows applications uses the same language. The VB scripting edition is widely used in scripting language

DYNAMIC LINK LIBRARIES:

DLLs (Dynamic Link Libraries) are an important aspect of Windows. A DLL contains functions that your executable program can call during execution. In other works, a DLL is a library of functions that your program can link with dynamically.

A link can be static or dynamic. Static links don't change. All the address information needed by your program to access the library function is fixed when the executable file is created and remains unchanged during execution.

Dynamic links are created as needed. When your program needs a function that is not in the executable file, Windows loads the dynamic link library (the DLL), making all of its functions available to your application. At that time, Windows resolves the address of each function and dynamically links it your application.

All Custom controls used in Visual Basic are DLLs. The only difference is that they require special handy in terms of messages received from Visual Basic.

The C run-time library has many useful functions that would not be available to Visual Basic programmers were it not for DLLs.

A DLL must contain the LibMain function. The LibMain function is called by the system to initialize the DLL. LibMain is called only once when the first program that requires the DLL is loaded.

In the small and medium model, all pointers are near by default. This means that the data is accessed by 16-bit offsets to either the data segment (DS) register, or the stack segment (SS) register. Unfortunately, the compiler has no way of knowing whether the offset is from the DS or the SS. In most programs this would not be a problem because the DS and SS point to the same segment. A DLL, however, is a special case.

A DLL has its own data segment but shares its stack with the calling program. This means that the DS and the SS do not point to the same location. The easiest solution to this problem is to build the DLL in the large memory model where all variables are referenced by a 32-bit value.0

Allocating memory dynamically is a Windows-friendly technique. Declaring large arrays of data takes up space in either your program's stack, which is limited to 64k, or you program's Data Segment, which wastes disk dpace and Windows memory.

SYSTEM DESIGN

SYSTEM DESIGN:

System study is the process of planning for the near future. System design can be defined as the process of planning a new system to replace an existing system.

The design specification describes the features of the systems, all the way the system interacts with the user.

In designing the system , a thorough study of the existing situations of the system and the fields that is to be considered while going for a new system.

STAGES OF SYSTEM DESIGN:

- Input design
- Output design

The data input screens are designed as to be more user friendly. The input is given in such a way that is accordingly to the required output.

The output design is the information required for decision making purpose. The output generally refers to the results generated by the system and is to decide upon the whole work.

DATA FLOW DIAGRAM(DFD):

There are two main flow diagrams followed in software engineering. They are

- Control flow diagram and
- Data flow diagram

In control flow diagram the process cannot be divided. The same process can be separated by using looping.

In data flow diagram the process can be divided into one or more module. Same process cannot be repeated (i.e.) there is no looping.

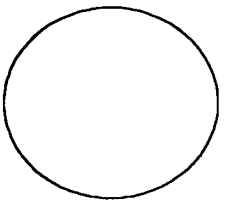
DFD is a graphical notation used to represent the data flow (i.e.) the input given to the system in the form of data , the data is being processed and the output given back to the end users in the data form.

The five data symbols are used in DFD is

- Functional symbol
- External entity symbol
- Data flow symbol
- Data store symbol
- Output symbol

Functional symbol:

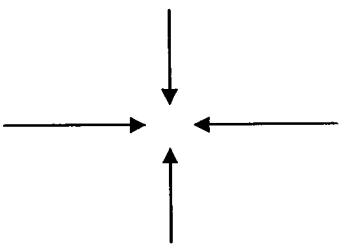
The circle represents this symbol. It is in the form of bubble in which the process is noted.



External entity symbol:

The rectangle represents this symbol. The external entities like vendor, manager, etc are represented inside this symbol. This entities are presented outside the software system. They interact with software system either for input of data or for the view of the data consumed by the system.

Data flow symbol:



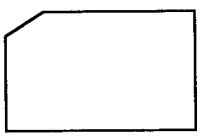
Arrow represents this symbol.

Data store symbol:

The open rectangular box represents this symbol.

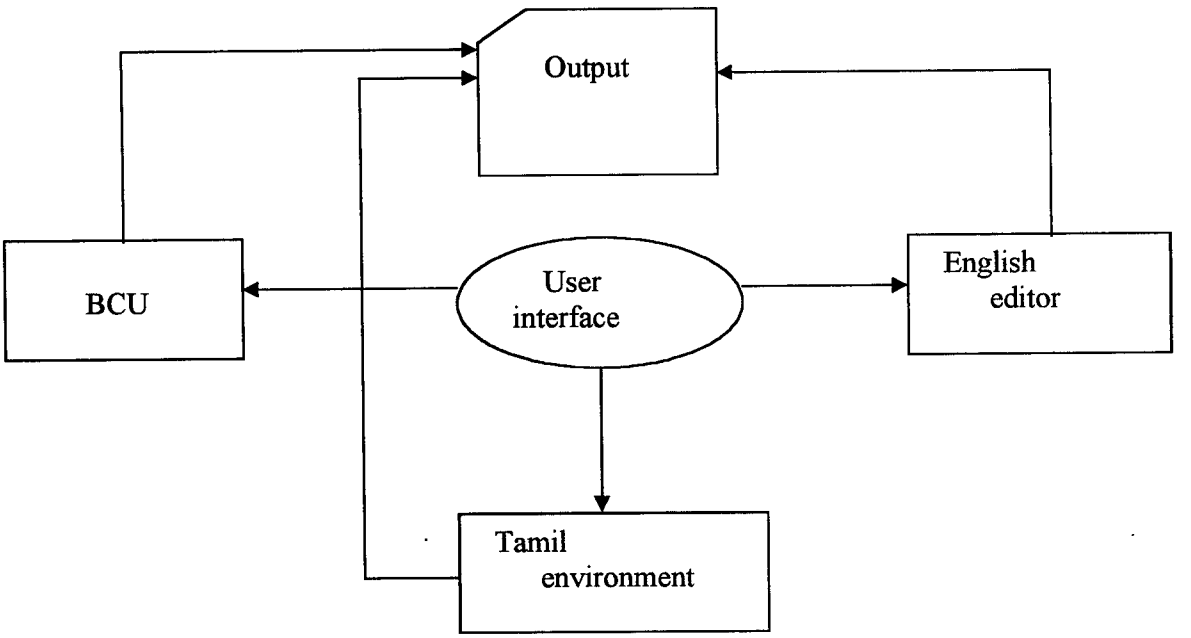
In DFD it is used to display information to client or end users. The arrow connects the data store and then process. If the data flow is towards the data store then it means the data is written into the data stores otherwise data is read from the store.

Output symbol:



It is used to show the output of the human system interaction.

DATA FLOW DIAGRAM(DFD):



QUALITY ASSURANCE

QUALITY ASSURANCE:

A crucial phase in the system development is the successful implementation of the new system. Implementation is the process of converting a new system design in to an operational one . This involves creating computer compactable files to store the data ,converting the data flow diagram into coding and documentation.

Software testing is the critical element of software quality assurance and represents the ultimate review of specification ,design and coding .Testing is a process of executing a program with the intent of finding an error.

UNIT TESTING :

Using important procedural description we can test to uncover errors within the boundary of the module .It is mainly focused on the smallest unit of software design to ensure proper information flow in and out of the program unit under list .

The unit test eliminates all the errors due to the incorrect function, errors due to data structure etc.,

INTEGRATION TESTING :

The test merely carried out to ensure that all the modules in the application are interacting satisfactory. The integrity and accuracy of data should be maintained and taken care by the integration testing using the inter-module communication.

VALIDATION TESTING :

A series of black box test were conducted to check whether the product was developed in complaints with requirements specified.

CONCLUSION

CONCLUSION :

Thus an efficient software utility package was developed. This project can be distributed to any system and to any language user. Thus making the software more user friendly and allowing the user to convert the text from English to Tamil. Like word operations(ie open,new,save,print,color,font)the entire environment can be changed in tamil and can be done in the same. This software can be further enhanced for converting to other languages. This can be done by without any complexity i.e., by adding the converter as a DLL.

VERSION ENHANCEMENT

VERSION ENHANCEMENT :

The main goal of this project is to develop a utility package with all text editing commands. It can also be extended for the following.

- **An exact flowchart diagrammer can be implemented.**
- **The entire environment can be changed to any language according to the user wish .**

Apart from the used tools, direct tools can be added and many submenus can be included.

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BIBILIOGRAPHY :

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- DIAMOND,RENNEY.

VISUAL BASIC 6.0 CLIENTS /SERVER HOW-TO

-DAVID JUNG & DON KIELY, TECH MEDIA PUBLICATIONS, NEW DELHI

SOFTWARE ENGINEERING

-PANKAJ JALHOTE

APPENDIX

SAMPLE CODINGS

```
Public doccount As Integer
Public unsavedchanges As Boolean
Public fr As New Form1
Private Sub combo1_Click()
fr.rtb.SelFontName = combo1.Text
fr.SetFocus
End Sub
Private Sub Combo2_Click()
fr.rtb.SelFontSize = Combo2.Text
fr.SetFocus
End Sub
```

```
Private Sub MDIForm_Load()
Form6.conclose1.Enabled = False
Form6.converter1.Enabled = True
Call disable1
Call deftop
combo1.AddItem ("Times New Roman")
combo1.AddItem ("MS Sans Serif")
combo1.AddItem ("Impact")
combo1.AddItem ("Mcl Mangai")
combo1.AddItem ("Mcl Krishna")
combo1.AddItem ("Mcl Manimeghalai")
For i = 1 To 200 Step 5
   Combo2.AddItem (i)
Next
End Sub
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComCtlLib.Button)
  On Error Resume Next
   Select Case Button.Key
      Case "Align Right"
         ActiveForm.rtb.SelAlignment = rtfRight
      Case "Align Left"
         ActiveForm.rtb.SelAlignment = rtfLeft
      Case "New"
         Form2.new1_Click
```

```
    Case "Open"
      Form2.open1_Click
    Case "Cut"
      Form3.cut1_Click
    Case "Copy"
      Form3.copy1_Click
    Case "Paste"
      Form3.paste1_Click
    Case "Print"
      Form2.print1_Click
    Case "Italic"
      ActiveForm.rtb.SelItalic = Not ActiveForm.rtb.SelItalic
      Button.Value = IIf(ActiveForm.rtb.SelItalic, tbrPressed, tbrUnpressed)
    Case "Underline"
      ActiveForm.rtb.SelUnderline = Not ActiveForm.rtb.SelUnderline
      Button.Value = IIf(ActiveForm.rtb.SelUnderline, tbrPressed,
tbrUnpressed)
    Case "Bold"
      ActiveForm.rtb.SelBold = Not ActiveForm.rtb.SelBold
      Button.Value = IIf(ActiveForm.rtb.SelBold, tbrPressed, tbrUnpressed)
    Case "Center"
      ActiveForm.rtb.SelAlignment = rtfCenter
    Case "Justify"
      ActiveForm.rtb.SelAlignment = rtfjustify
    Case "Save"
      Form2.save1_Click
    Case "Small Caps"
      Form5.caps1_Click
    End Select
End Sub


Private Sub edit1_Click()
Form3.Show
Call labeldefault
End Sub

Private Sub file1_Click()
Form2.Show
Call labeldefault
```

```
End Sub

Private Sub format1_Click()
Form5.Show
Call labeldefault
End Sub

Private Sub lang1_Click()
Form6.Show
'tam.Visible = True
'eng.Visible = True
End Sub


Public Sub labeldefault()
Form2.new1.BackColor = &H8000000A
Form2.new1.ForeColor = &H80000012
Form2.open1.BackColor = &H8000000A
Form2.open1.ForeColor = &H80000012
Form2.close1.BackColor = &H8000000A
Form2.close1.ForeColor = &H80000012
Form2.save1.BackColor = &H8000000A
Form2.save1.ForeColor = &H80000012
Form2.saveas1.BackColor = &H8000000A
Form2.saveas1.ForeColor = &H80000012
Form2.print1.BackColor = &H8000000A
Form2.print1.ForeColor = &H80000012
Form2.exit1.BackColor = &H8000000A
Form2.exit1.ForeColor = &H80000012

Form3.copy1.BackColor = &H8000000A
Form3.copy1.ForeColor = &H80000012
Form3.cut1.BackColor = &H8000000A
Form3.cut1.ForeColor = &H80000012
Form3.paste1.BackColor = &H8000000A
Form3.paste1.ForeColor = &H80000012
Form3.select1.BackColor = &H8000000A
Form3.select1.ForeColor = &H80000012
```

```
Form4.cascade1.BackColor = &H8000000A
Form4.cascade1.ForeColor = &H80000012
Form4.vertical1.BackColor = &H8000000A
Form4.vertical1.ForeColor = &H80000012
Form4.horizontal1.BackColor = &H8000000A
Form4.horizontal1.ForeColor = &H80000012
Form4.newwindow1.BackColor = &H8000000A
Form4.newwindow1.ForeColor = &H80000012

Form5.caps1.BackColor = &H8000000A
Form5.caps1.ForeColor = &H80000012
Form5.font1.BackColor = &H8000000A
Form5.font1.ForeColor = &H80000012
Form5.find1.BackColor = &H8000000A
Form5.find1.ForeColor = &H80000012

Form6.eng.BackColor = &H8000000A
Form6.eng.ForeColor = &H80000012
Form6.tam.BackColor = &H8000000A
Form6.tam.ForeColor = &H80000012
Form6.converter1.BackColor = &H8000000A
Form6.converter1.ForeColor = &H80000012
Form6.conclose1.BackColor = &H8000000A
Form6.conclose1.ForeColor = &H80000012
End Sub



Public Function changefont()
MDIForm1.file1.Font = "Mcl Mangai"
Form2.new1.Font = "Mcl Mangai"
Form2.open1.Font = "Mcl Mangai"
Form2.close1.Font = "Mcl Mangai"
Form2.exit1.Font = "Mcl Mangai"
Form2.save1.Font = "Mcl Mangai"
Form2.saveas1.Font = "Mcl Mangai"
Form2.print1.Font = "Mcl Mangai"

MDIForm1.edit1.Font = "Mcl Mangai"
Form3.copy1.Font = "Mcl Mangai"
```

```
Form3.cut1.Font = "Mcl Mangai"
Form3.paste1.Font = "Mcl Mangai"
Form3.select1.Font = "Mcl Mangai"


MDIForm1.windows1.Font = "Mcl Mangai"
Form4.newwindow1.Font = "Mcl Mangai"
Form4.cascade1.Font = "Mcl Mangai"
Form4.horizontal1.Font = "Mcl Mangai"
Form4.vertical1.Font = "Mcl Mangai"


MDIForm1.format1.Font = "Mcl Mangai"
Form5.font1.Font = "Mcl Mangai"
Form5.caps1.Font = "Mcl Mangai"
Form5.find1.Font = "Mcl Mangai"


MDIForm1.lang1.Font = "Mcl Mangai"
Form6.tam.Font = "Mcl Mangai"
Form6.eng.Font = "Mcl Mangai"
Form6.converter1.Font = "Mcl Mangai"
Form6.conclose1.Font = "Mcl Mangai"
End Function


Public Function deffont()
MDIForm1.file1.Font = "MS Sans Serif"
Form2.new1.Font = "MS Sans Serif"
Form2.open1.Font = "MS Sans Serif"
Form2.close1.Font = "MS Sans Serif"
Form2.exit1.Font = "MS Sans Serif"
Form2.save1.Font = "MS Sans Serif"
Form2.saveas1.Font = "MS Sans Serif"
Form2.print1.Font = "MS Sans Serif"

MDIForm1.edit1.Font = "MS Sans Serif"
Form3.copy1.Font = "MS Sans Serif"
Form3.cut1.Font = "MS Sans Serif"
Form3.paste1.Font = "MS Sans Serif"
```

```
Form3.select1.Font = "MS Sans Serif"


MDIForm1.windows1.Font = "Ms Sans Serif"
Form4.newwindow1.Font = "Ms Sans Serif"
Form4.cascade1.Font = "Ms Sans Serif"
Form4.horizontal1.Font = "Ms Sans Serif"
Form4.vertical1.Font = "Ms Sans Serif"


MDIForm1.format1.Font = "Ms Sans Serif"
Form5.font1.Font = "Ms Sans Serif"
Form5.caps1.Font = "Ms Sans Serif"
Form5.find1.Font = "Ms Sans Serif"


MDIForm1.lang1.Font = "Ms Sans Serif"
Form6.tam.Font = "Ms Sans Serif"
Form6.eng.Font = "Ms Sans Serif"
Form6.converter1.Font = "Ms Sans Serif"
Form6.conclose1.Font = "Ms Sans Serif"
End Function

Private Sub windows1_Click()
Form4.Show
Call labeldefault
End Sub


Public Function disable1()
Form2.print1.Enabled = False
Form2.saveas1.Enabled = False
Form2.close1.Enabled = False
Form2.save1.Enabled = False

Form3.cut1.Enabled = False
Form3.copy1.Enabled = False
Form3.paste1.Enabled = False
Form3.select1.Enabled = False
```

```
Form4.cascade1.Enabled = False
Form4.vertical1.Enabled = False
Form4.horizontal1.Enabled = False

Form5.caps1.Enabled = False
Form5.font1.Enabled = False
Form5.find1.Enabled = False
End Function
Public Function enable1()
Form2.print1.Enabled = True
Form2.saveas1.Enabled = True
Form2.close1.Enabled = True
Form2.save1.Enabled = True

Form3.cut1.Enabled = True
Form3.copy1.Enabled = True
Form3.paste1.Enabled = True
Form3.select1.Enabled = True

Form4.cascade1.Enabled = True
Form4.vertical1.Enabled = True
Form4.horizontal1.Enabled = True

Form5.caps1.Enabled = True
Form5.font1.Enabled = True
Form5.find1.Enabled = True

End Function

Public Function changetop()
Form2.Top = 1000
Form3.Top = 1000
Form4.Top = 1000
Form5.Top = 1000
Form6.Top = 1000
End Function

Public Function deftop()
Form2.Top = 750
```

```
Form3.Top = 750
Form4.Top = 750
Form5.Top = 750
Form6.Top = 750
End Function



Public Sub close1_Click()
Dim Prompt As String
Dim Reply As Integer
MDIForm1.fr.cd.CancelError = True
On Error GoTo err:
If MDIForm1.unsavedchanges = True Then
   Prompt = "Would you like to save your changes?"
   Reply = MsgBox(Prompt, vbYesNoCancel)
   If Reply = vbYes Then
      MDIForm1.fr.cd.ShowSave
      ActiveForm.rtb.SaveFile ActiveForm.cd.FileName, rtfRTF
      MDIForm1.unsavedchanges = False
      MDIForm1.ActiveForm.Hide
      MDIForm1.doccount = MDIForm1.doccount - 1
   Else
      If Reply = vbNo Then
         MDIForm1.ActiveForm.Hide
         MDIForm1.doccount = MDIForm1.doccount - 1
      End If
    End If
Else
MDIForm1.ActiveForm.Hide
MDIForm1.doccount = MDIForm1.doccount - 1
End If
If MDIForm1.doccount = 0 Then
   Call MDIForm1.disable1
   Call MDIForm1.deftop
End If
err:
End Sub
```

```
Private Sub close1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.close1.BackColor = &HFF00&
Me.close1.ForeColor = &HFF0000
End Sub

Public Sub exit1_Click()
Dim Prompt As String
Dim Reply As Integer
MDIForm1.fr.cd.CancelError = True
On Error GoTo err:
If MDIForm1.unsavedchanges = True Then
   Prompt = "Would you like to save your changes?"
   Reply = MsgBox(Prompt, vbYesNo)
   If Reply = vbYes Then
      MDIForm1.fr.cd.ShowSave
      MDIForm1.fr.rtb.SaveFile MDIForm1.fr.cd.FileName, rtfRTF
      MDIForm1.unsavedchanges = False
   End If
End If
End
err:
End Sub

Private Sub exit1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.exit1.BackColor = &HFF00&
Me.exit1.ForeColor = &HFF0000
End Sub

Private Sub Form_LostFocus()
Me.Hide
End Sub

Public Sub new1_Click()
Me.Hide
Call MDIForm1.enable1
Call MDIForm1.changetop
```

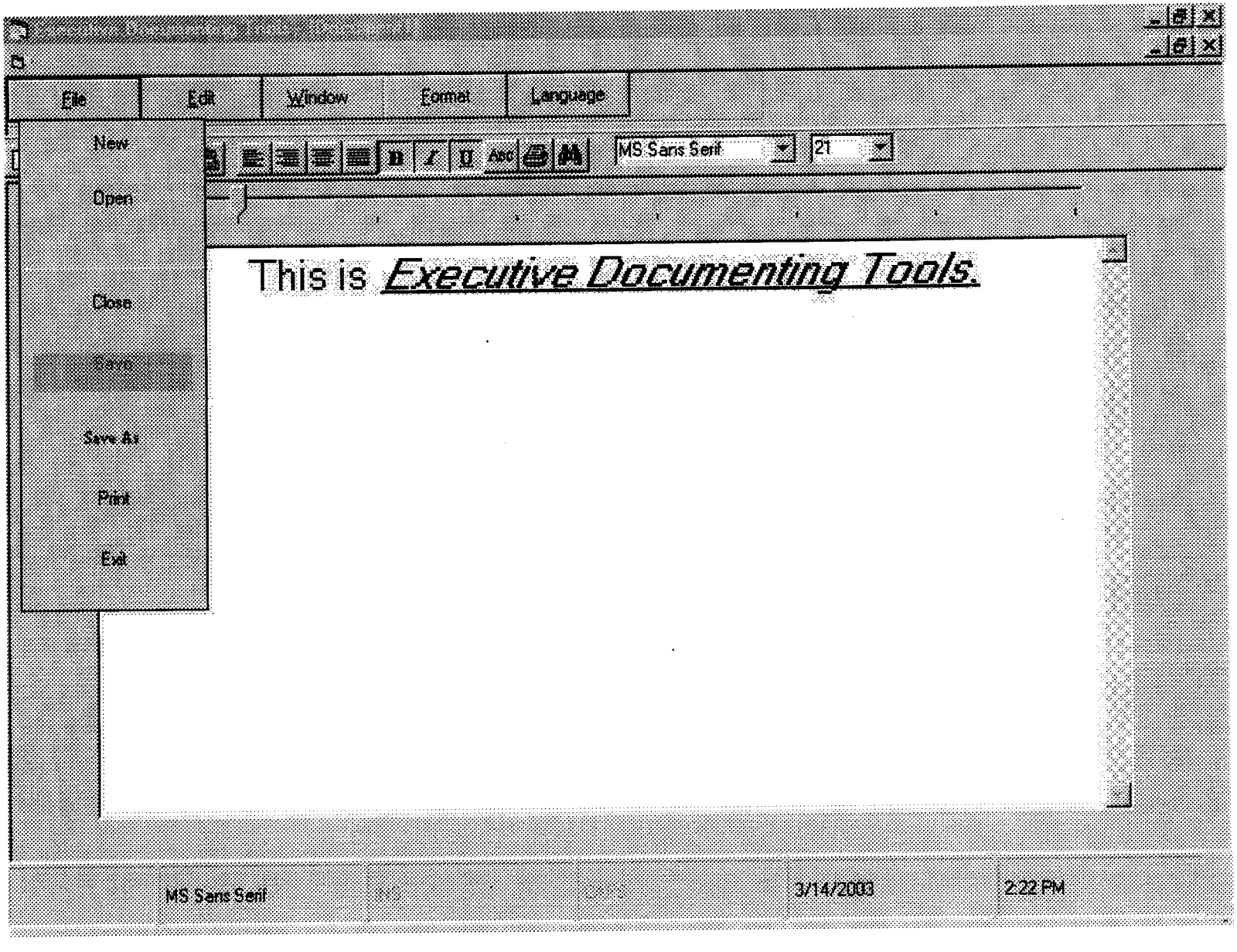
```
MDIForm1.doccount = MDIForm1.doccount + 1
Set MDIForm1.fr = New Form1
MDIForm1.fr.Caption = "Document" & MDIForm1.doccount
MDIForm1.fr.Show
End Sub

Private Sub new1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.new1.BackColor = &HFF00&
Me.new1.ForeColor = &HFF0000
End Sub

Public Sub open1_Click()
Me.Hide
Call MDIForm1.enable1
Call MDIForm1.changetop
Set MDIForm1.fr = New Form1
Dim sfile As String
MDIForm1.fr.cd.CancelError = True
On Error GoTo err:
MDIForm1.fr.cd.Filter = "All Files(*.*)|*.*|Text Files(*.txt)|*.txt"
MDIForm1.fr.cd.Flags = cdlOFNFileMustExist
MDIForm1.fr.cd.ShowOpen
MDIForm1.fr.rtb.LoadFile MDIForm1.fr.cd.FileName
MDIForm1.fr.rtb.FileName = MDIForm1.fr.cd.FileName
sfile = MDIForm1.fr.cd.FileName
MDIForm1.fr.Caption = MDIForm1.fr.cd.FileName
MDIForm1.sb1.Panels(1) = MDIForm1.fr.cd.FileName
MDIForm1.doccount = doccount + 1
err:
Set ActiveForm = MDIForm1.fr
End Sub
Private Sub Open1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.open1.BackColor = &HFF00&
Me.open1.ForeColor = &HFF0000
End Sub
```

```
Public Sub print1_Click()
Me.Hide
MDIForm1.fr.rtb.SelPrint (Printer.hDC)
End Sub


Private Sub print1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.print1.BackColor = &HFF00&
Me.print1.ForeColor = &HFF0000
End Sub

Public Sub save1_Click()
Me.Hide
MDIForm1.fr.cd.CancelError = True
On Error GoTo err:
MDIForm1.fr.cd.ShowSave
MDIForm1.fr.rtb.SaveFile MDIForm1.fr.cd.FileName, rtfRTF
MDIForm1.unsavedchanges = False
MDIForm1.fr.Caption = MDIForm1.fr.cd.FileName
MDIForm1.sb1.Panels(1).Text = MDIForm1.fr.cd.FileName
err:
End Sub

Private Sub save1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.save1.BackColor = &HFF00&
Me.save1.ForeColor = &HFF0000
End Sub

Private Sub saveas1_Click()
Me.Hide
MDIForm1.fr.cd.CancelError = True
On Error GoTo err:
    MDIForm1.fr.cd.ShowSave
    MDIForm1.fr.rtb.SaveFile MDIForm1.fr.cd.FileName, rtfRTF
    MDIForm1.fr.Caption = MDIForm1.fr.cd.FileName
    MDIForm1.sb1.Panels(1).Text = MDIForm1.fr.cd.FileName
```

```
    MDIForm1.unsavedchanges = False
err:
End Sub

Private Sub saveas1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.saveas1.BackColor = &HFF00&
Me.saveas1.ForeColor = &HFF0000
End Sub


Private Sub cascade1_MouseMove(Button As Integer, Shift As Integer, x As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.cascade1.BackColor = &H8000000D
Me.cascade1.ForeColor = &H8000000A
End Sub

Private Sub horizontal1_Click()
Me.Hide
MDIForm1.Arrange vbTileHorizontal
End Sub

Private Sub horizontal1_MouseMove(Button As Integer, Shift As Integer, x
As Single, Y As Single)
Call MDIForm1.labeldefault
Me.horizontal1.BackColor = &H8000000D
Me.horizontal1.ForeColor = &H8000000A
End Sub


Private Sub newwindow1_Click()
Me.Hide
Call MDIForm1.enable1
Form2.new1_Click
End Sub
```

```
Private Sub newwindow1_MouseMove(Button As Integer, Shift As Integer, x
As Single, Y As Single)
Call MDIForm1.labeldefault
Me.newwindow1.BackColor = &H8000000D
Me.newwindow1.ForeColor = &H8000000A
End Sub
Private Sub vertical1_Click()
Me.Hide
MDIForm1.Arrange vbTileVertical
End Sub

Private Sub vertical1_MouseMove(Button As Integer, Shift As Integer, x As
Single, Y As Single)
Call MDIForm1.labeldefault
Me.vertical1.BackColor = &H8000000D
Me.vertical1.ForeColor = &H8000000A
End Sub
```

SAMPLE FORMS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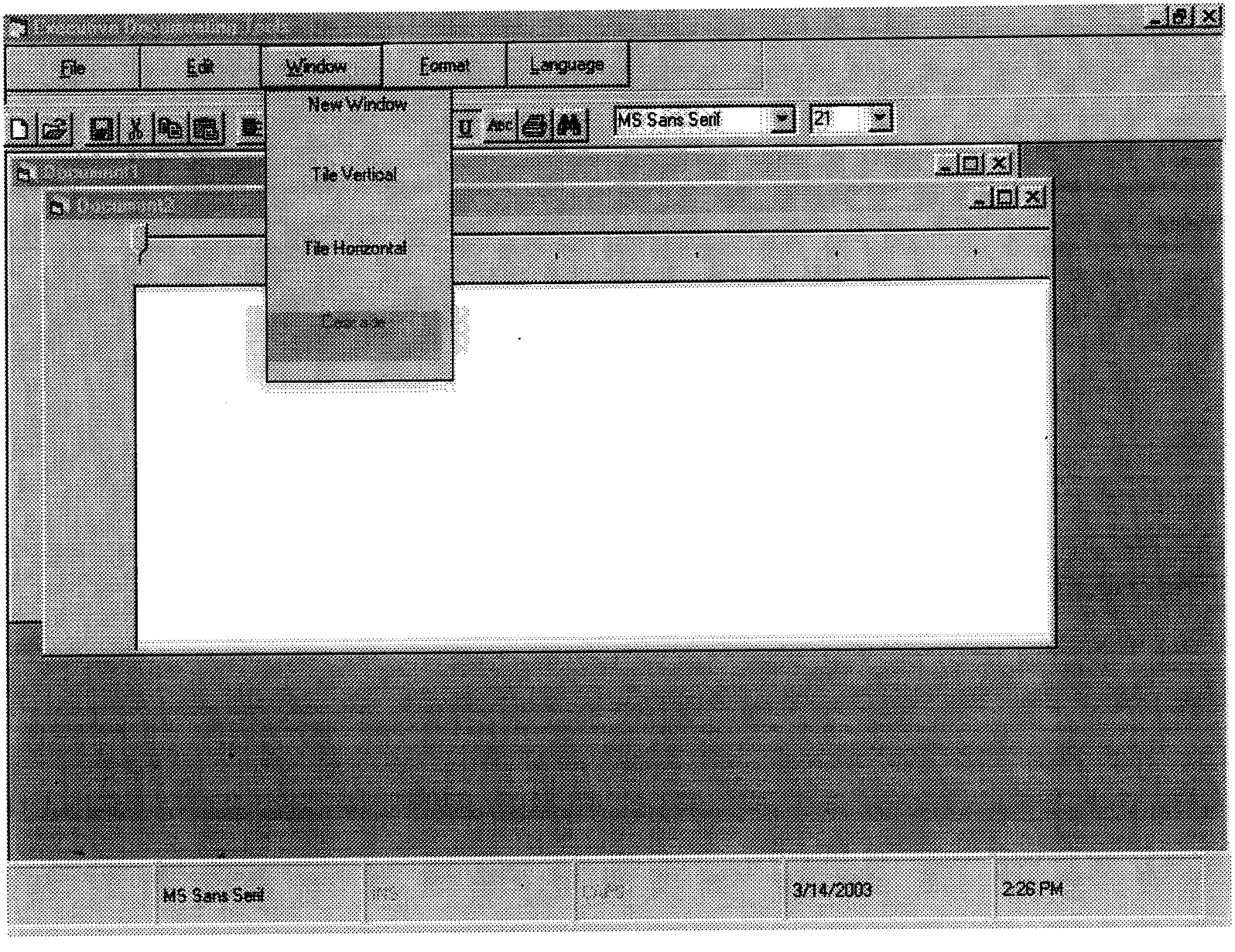
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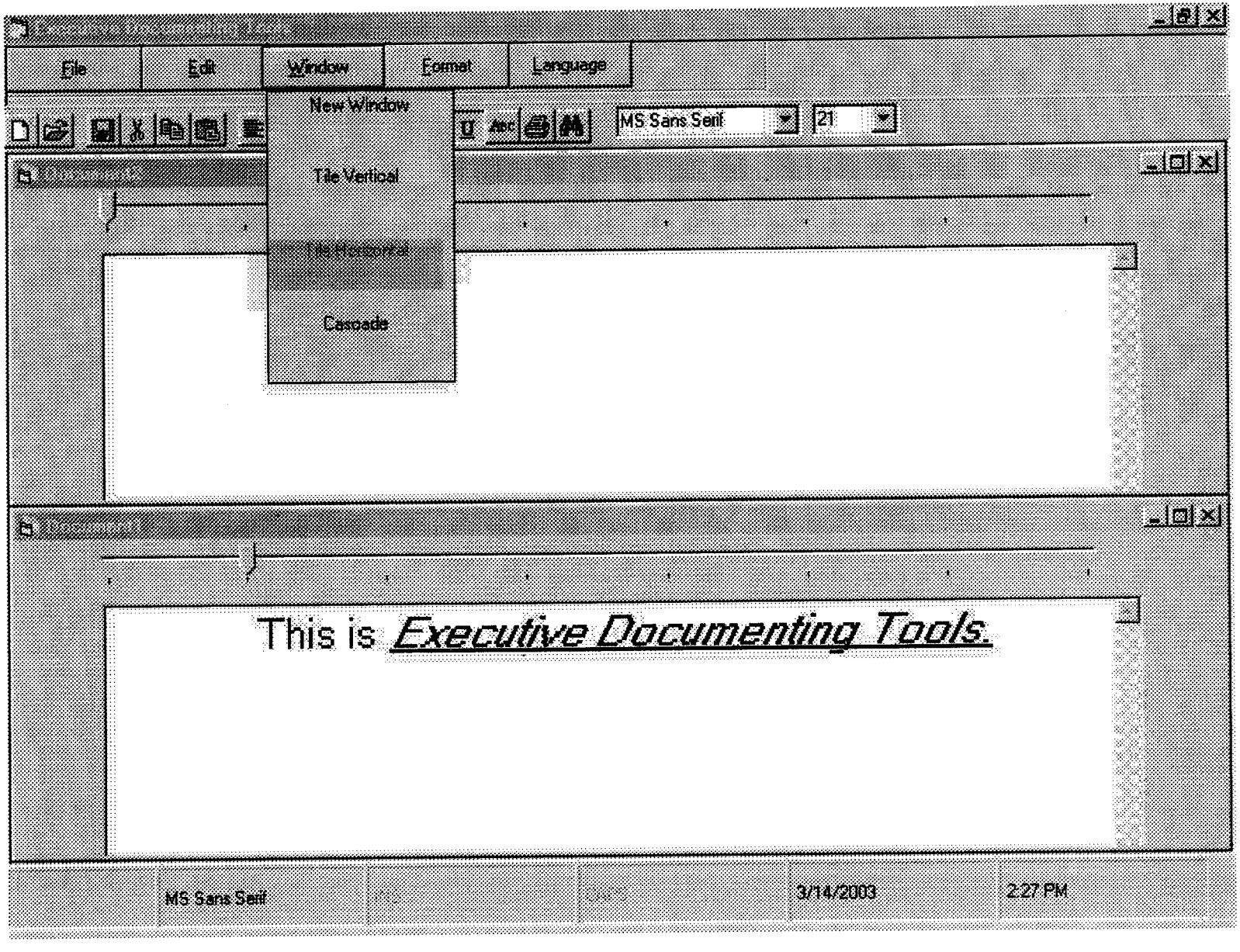
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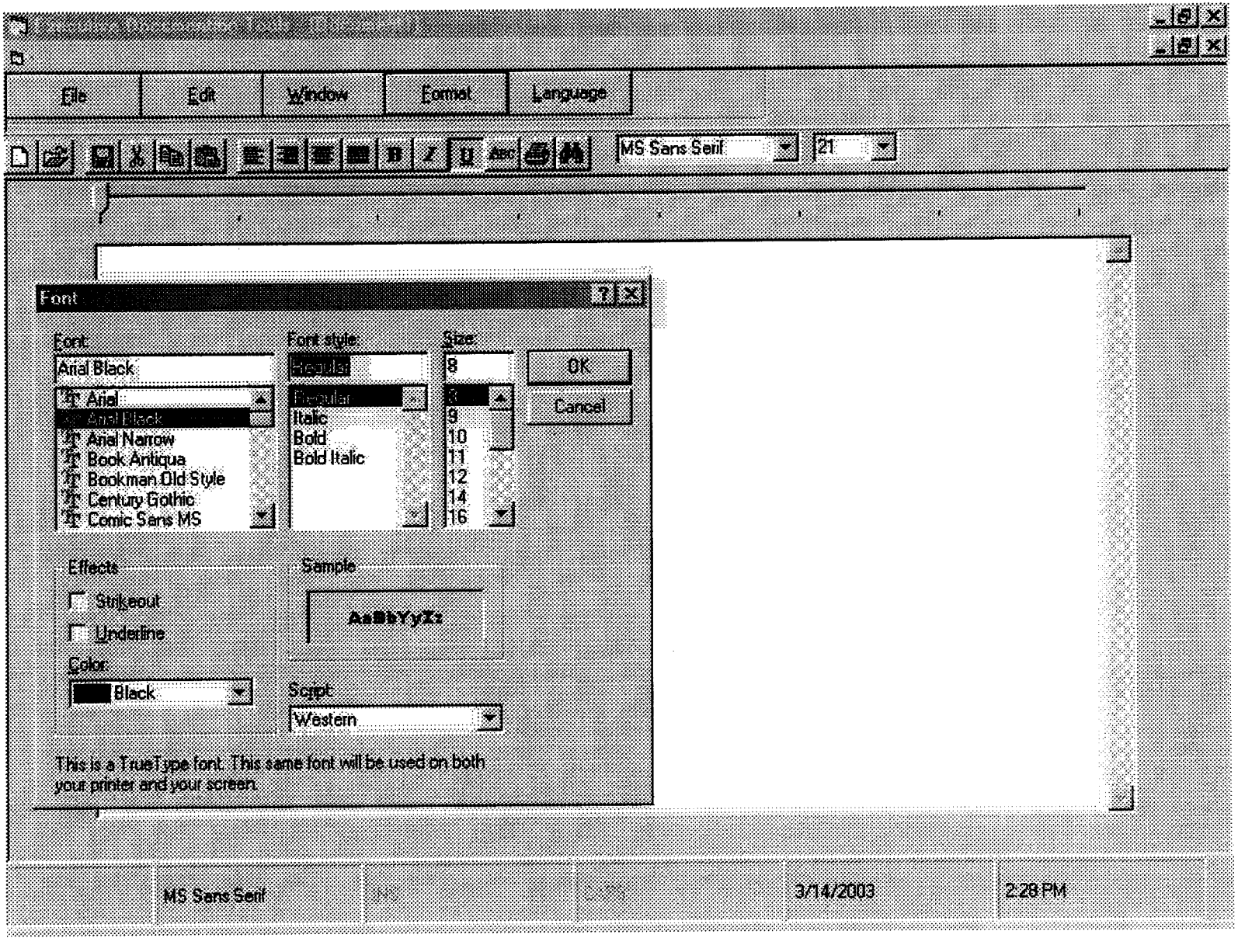
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Century Gothic
Comic Sans MS
Font style:
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Regular
Italic
Bold
Bold Italic
Size:
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8
9
10
11
12
14
16
OK
Cancel
Effects
Strikeout
Underline
Color:
Black
Sample
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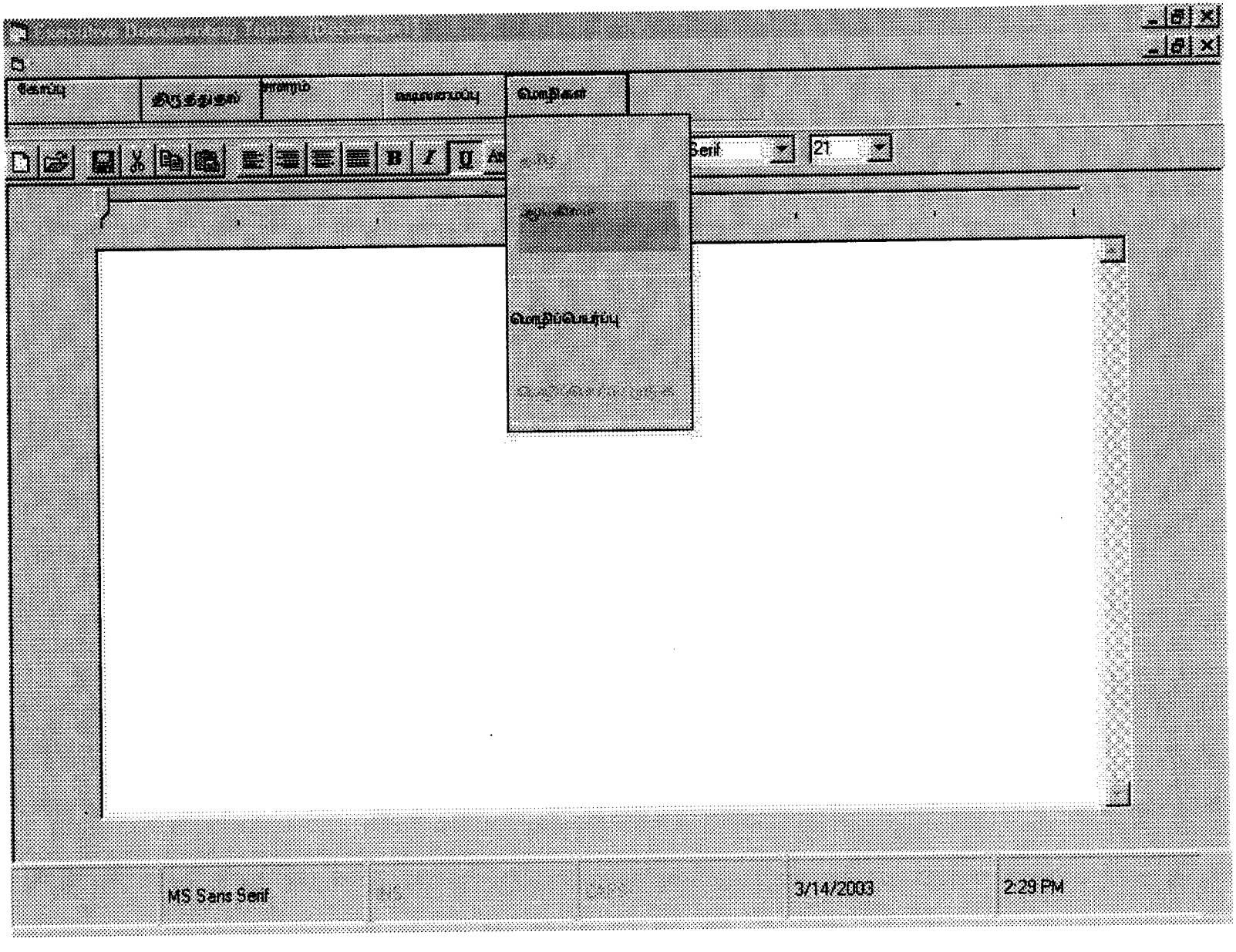
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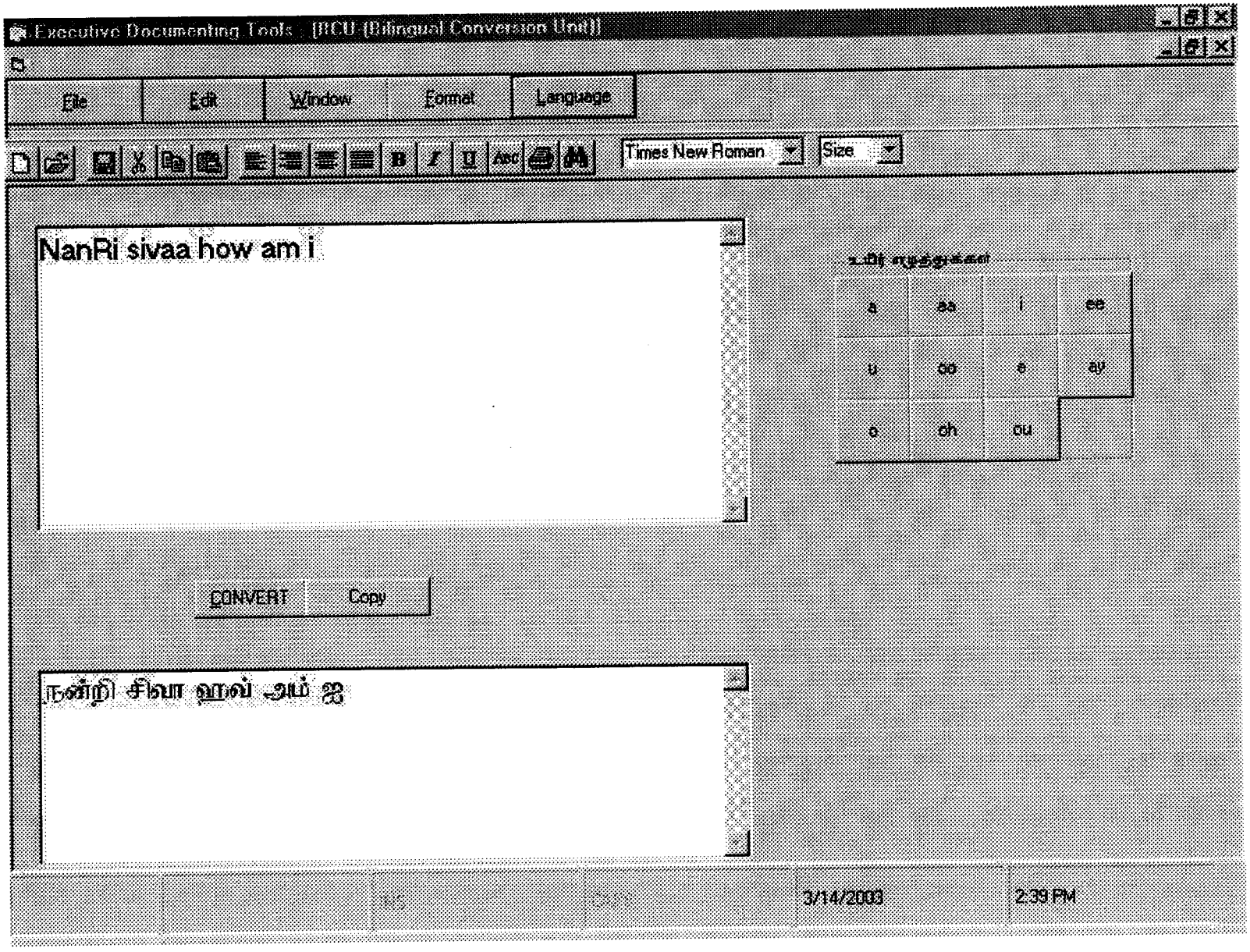
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