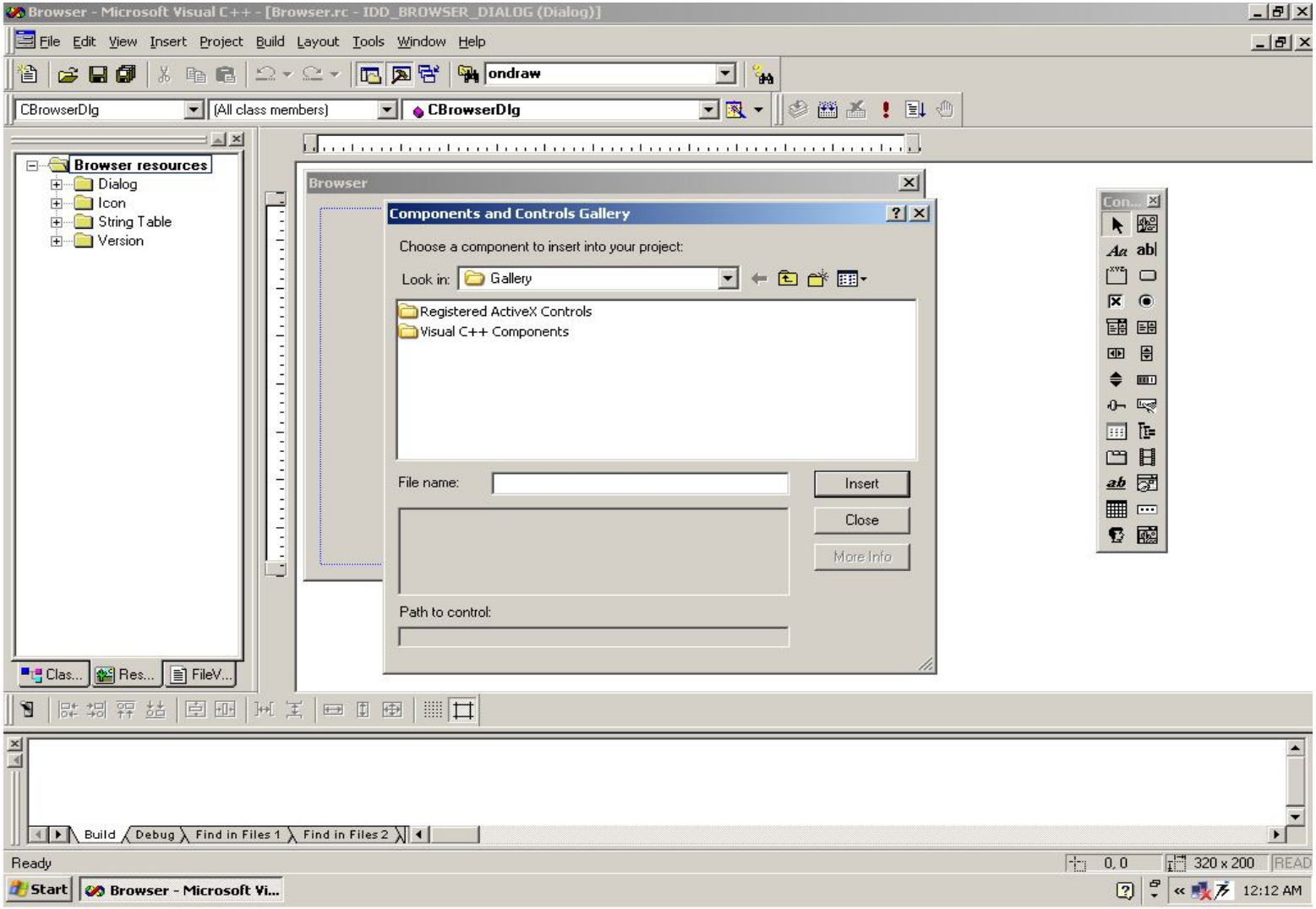
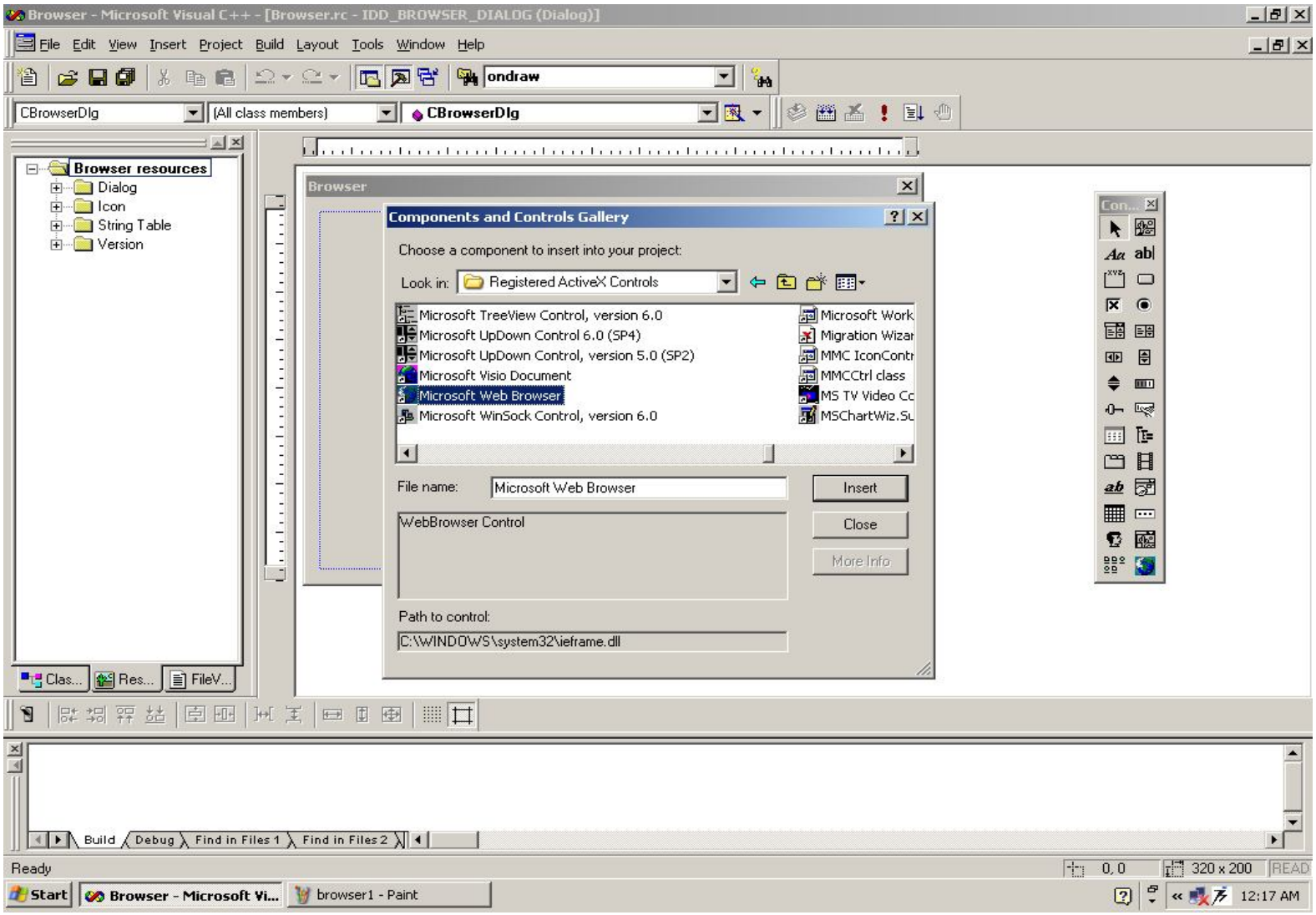
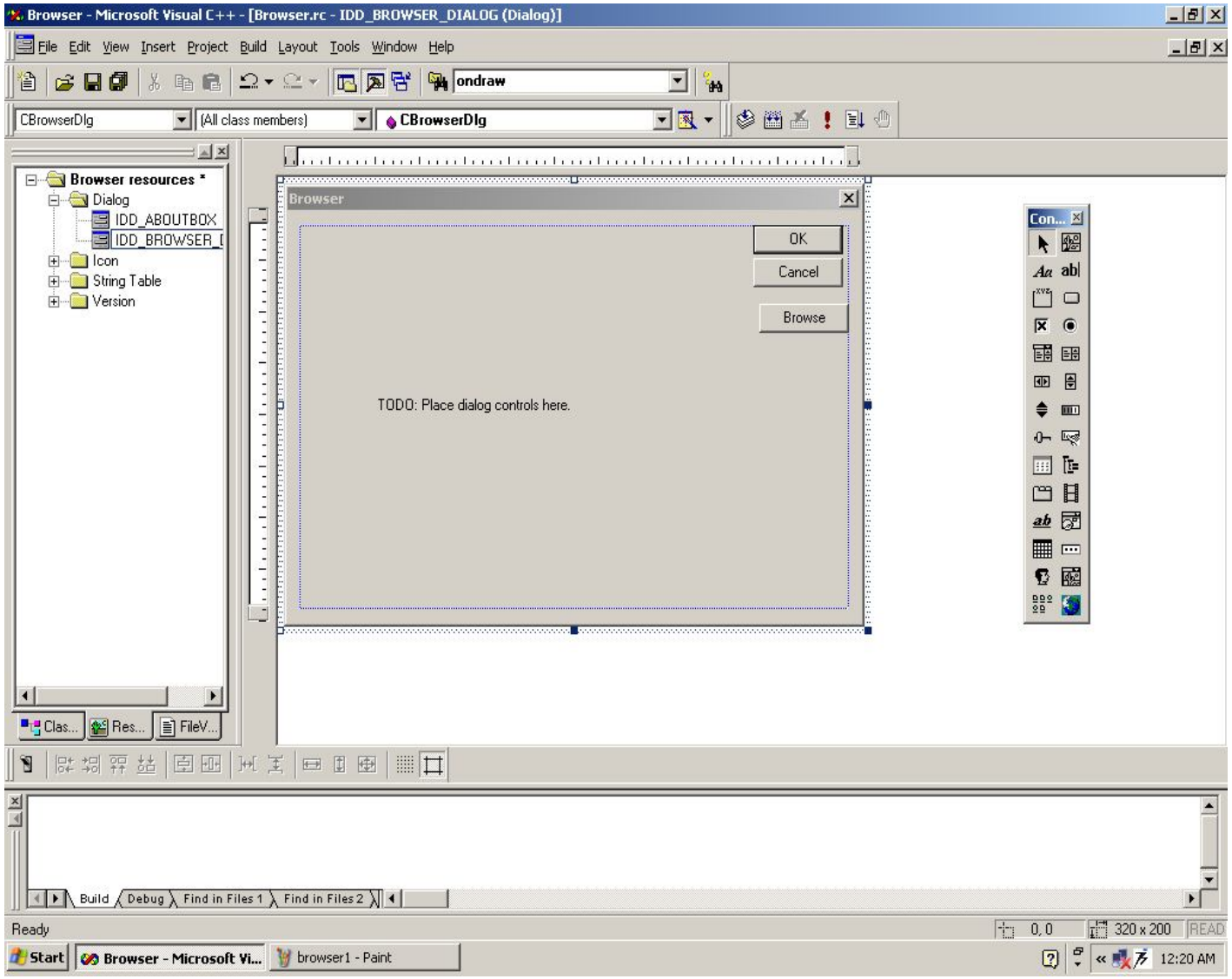
Creating Internet Program Including a Web Browser

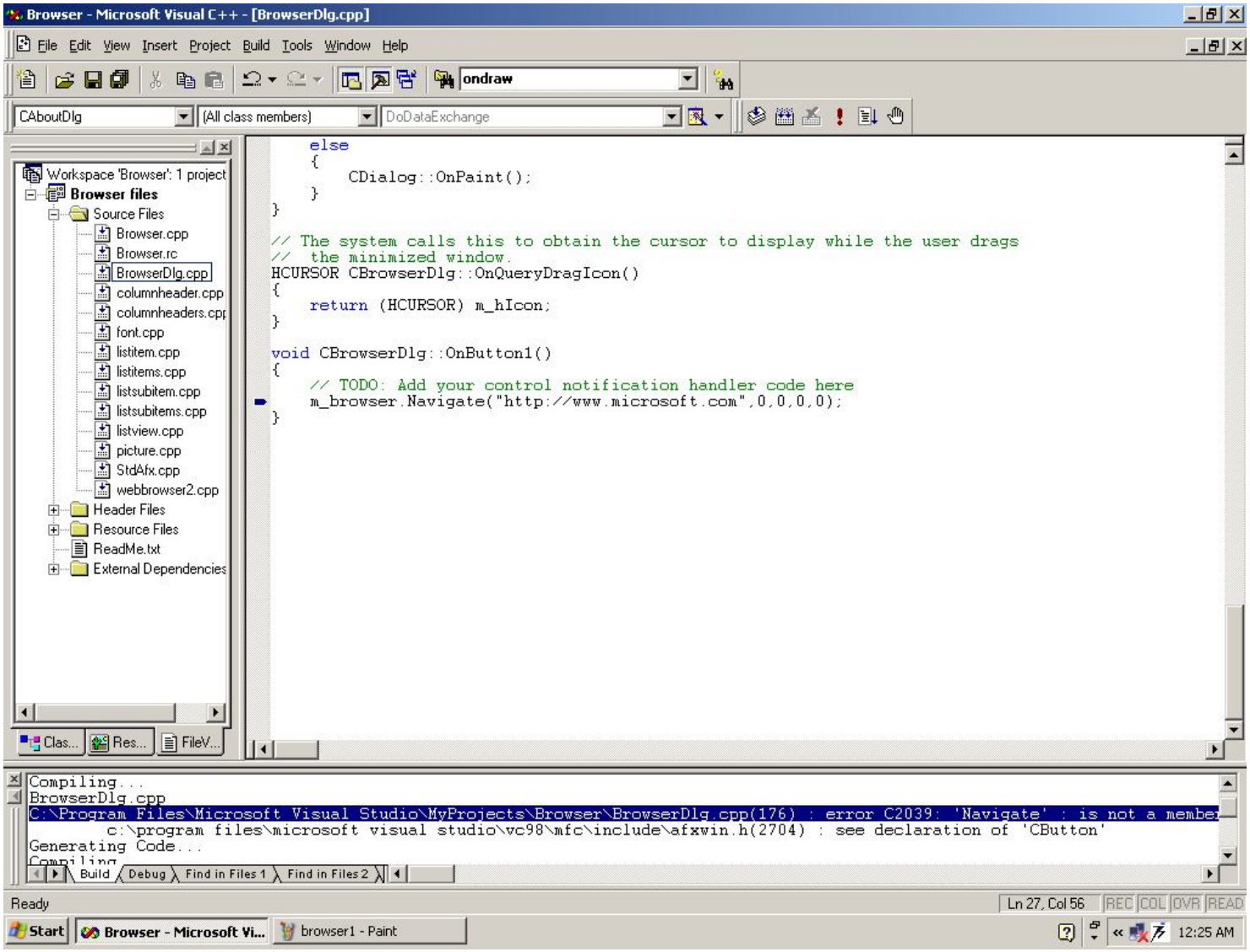
Steps

- Create a dialog based program named “Browser
- Select Project->Add to Project->Components and Controls
- Double click on Registered Active X controls to open ActiveX Controls in your system.
- Click on control on Microsoft Web Browser and click on Insert Button.


Browser - Microsoft Visual C++ - [Browser.rc - IDD_BROWSER_DIALOG (Dialog)]
File Edit View Insert Project Build Layout Tools Window Help
ondraw
CBrowserDlg
(All class members)
CBrowserDlg
Browser resources
Dialog
Icon
String Table
Version
Clas...
Res...
FileV...
Browser
Components and Controls Gallery
Choose a component to insert into your project:
Look in:
Gallery
Registered ActiveX Controls
Visual C++ Components
File name:
Insert
Close
More Info
Path to control:
Build
Debug
Find in Files 1
Find in Files 2
Ready
0, 0
320 x 200
READ
Start
Browser - Microsoft Vi...
12:12 AM

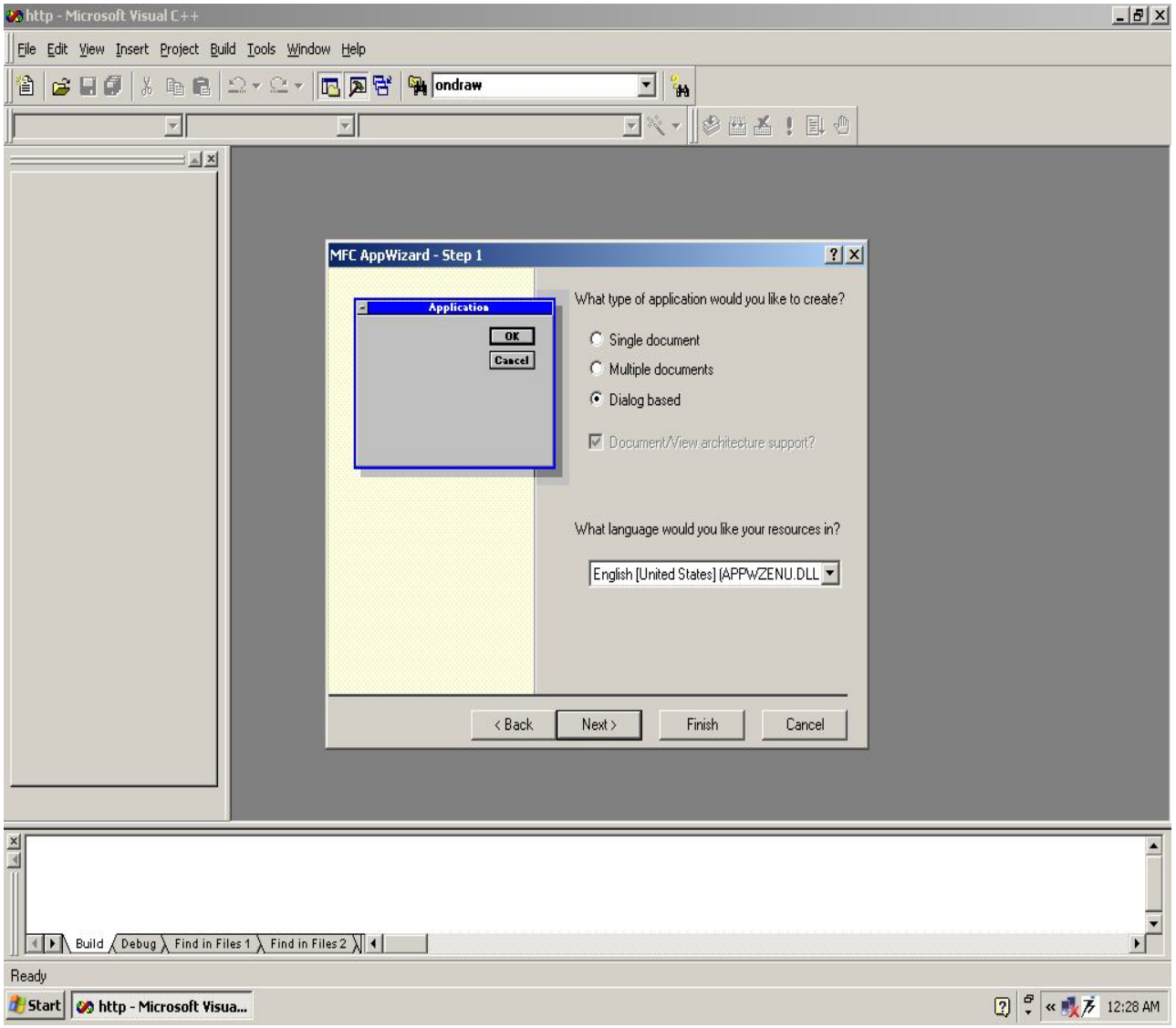

Browser - Microsoft Visual C++ - [Browser.rc - IDD_BROWSER_DIALOG (Dialog)]
File Edit View Insert Project Build Layout Tools Window Help
ondraw
CBrowserDlg
(All class members)
CBrowserDlg
Browser resources
Dialog
Icon
String Table
Version
Clas...
Res...
FileV...
Browser
Components and Controls Gallery
Choose a component to insert into your project:
Look in:
Registered ActiveX Controls
Microsoft TreeView Control, version 6.0
Microsoft UpDown Control 6.0 (SP4)
Microsoft UpDown Control, version 5.0 (SP2)
Microsoft Visio Document
Microsoft Web Browser
Microsoft WinSock Control, version 6.0
Microsoft Work
Migration Wizar
MMC IconContr
MMCCtrl class
MS TV Video Cc
MSChartWiz.Su
File name:
Microsoft Web Browser
Insert
Close
More Info
WebBrowser Control
Path to control:
C:\WINDOWS\system32\ieframe.dll
Build
Debug
Find in Files 1
Find in Files 2
Ready
0, 0
320 x 200
READ
Start
Browser - Microsoft Vi...
browser1 - Paint
12:17 AM

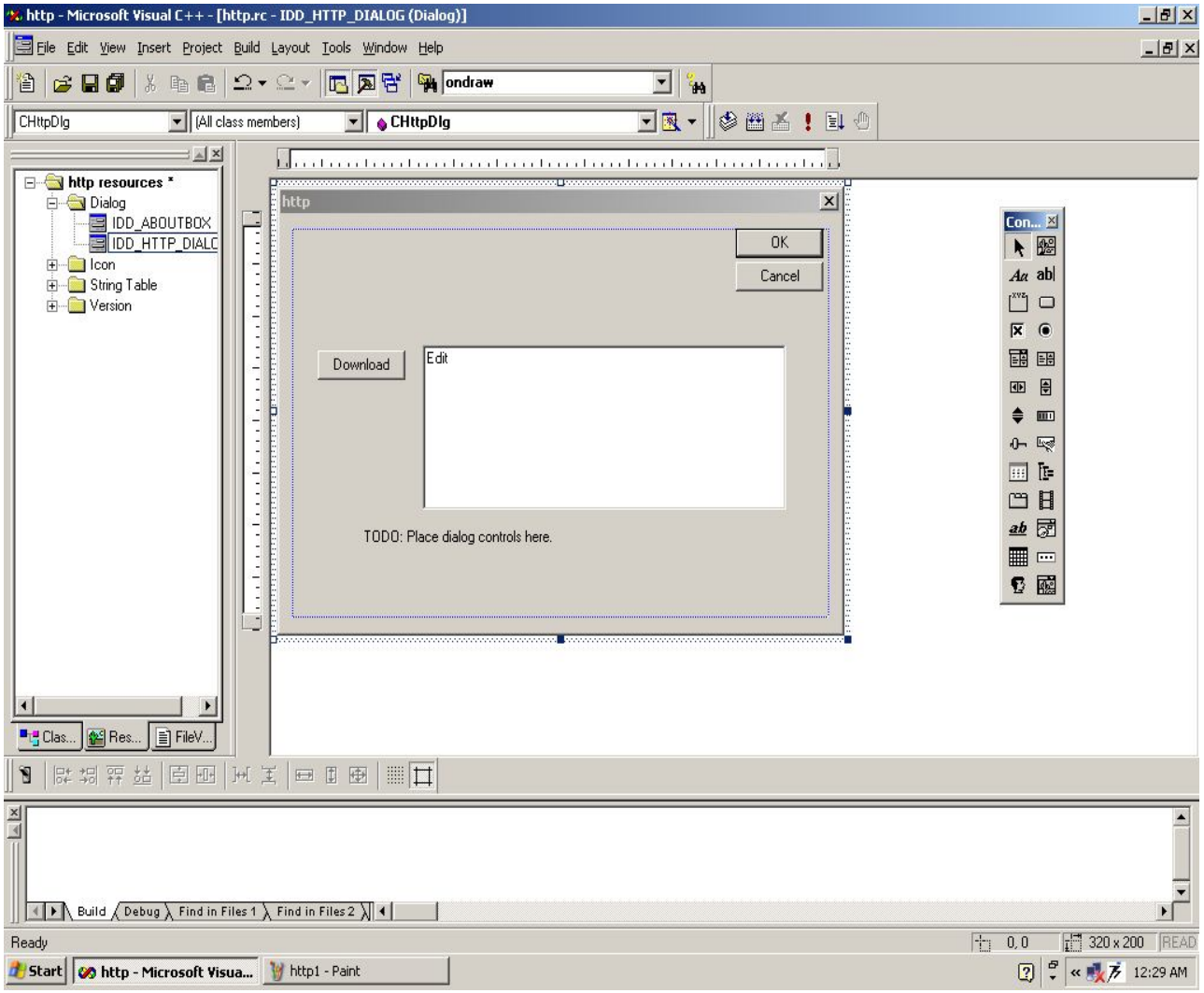

Browser - Microsoft Visual C++ - [Browser.rc - IDD_BROWSER_DIALOG (Dialog)]
File Edit View Insert Project Build Layout Tools Window Help
ondraw
CBrowserDlg
(All class members)
CBrowserDlg
Browser resources *
Dialog
IDD_ABOUTBOX
IDD_BROWSER_[
Icon
String Table
Version
Clas...
Res...
FileV...
Browser
OK
Cancel
Browse
TODO: Place dialog controls here.
Con...
Build
Debug
Find in Files 1
Find in Files 2
Ready
0, 0
320 x 200
READ
Start
Browser - Microsoft Vi...
browser1 - Paint
12:20 AM


Browser - Microsoft Visual C++ - [BrowserDlg.cpp]
File Edit View Insert Project Build Tools Window Help
ondraw
CAboutDlg
(All class members)
DoDataExchange
Workspace 'Browser': 1 project
Browser files
Source Files
Browser.cpp
Browser.rc
BrowserDlg.cpp
columnheader.cpp
columnheaders.cpp
font.cpp
listitem.cpp
listitems.cpp
listsubitem.cpp
listsubitems.cpp
listview.cpp
picture.cpp
StdAfx.cpp
webbrowser2.cpp
Header Files
Resource Files
ReadMe.txt
External Dependencies
Clas...
Res...
FileV...
else
{
CDialog::OnPaint();
}
}
// The system calls this to obtain the cursor to display while the user drags
// the minimized window.
HCURSOR CBrowserDlg::OnQueryDragIcon()
{
return (HCURSOR) m_hIcon;
}
void CBrowserDlg::OnButton1()
{
// TODO: Add your control notification handler code here
m_browser.Navigate("http://www.microsoft.com",0,0,0,0);
}
Compiling...
BrowserDlg.cpp
C:\Program Files\Microsoft Visual Studio\MyProjects\Browser\BrowserDlg.cpp(176) : error C2039: 'Navigate' : is not a member
c:\program files\microsoft visual studio\vc98\mfc\include\afxwin.h(2704) : see declaration of 'CButton'
Generating Code...
Compiling
Build
Debug
Find in Files 1
Find in Files 2
Ready
Ln 27, Col 56
REC COL OVR READ
Start
Browser - Microsoft Vi...
browser1 - Paint
12:25 AM

- Build and Execute the web browser navigates to the microsoft home page.

Reaching the Internet with HTTP


http - Microsoft Visual C++
File Edit View Insert Project Build Tools Window Help
ondraw
MFC AppWizard - Step 1
Application
OK
Cancel
What type of application would you like to create?
Single document
Multiple documents
Dialog based
Document/View architecture support?
What language would you like your resources in?
English [United States] (APPWZENU.DLL
< Back
Next >
Finish
Cancel
Build
Debug
Find in Files 1
Find in Files 2
Ready
Start
http - Microsoft Visua...
12:28 AM


http - Microsoft Visual C++ - [http.rc - IDD_HTTP_DIALOG (Dialog)]
File Edit View Insert Project Build Layout Tools Window Help
ondraw
CHttpDlg
(All class members)
CHttpDlg
http resources *
Dialog
IDD_ABOUTBOX
IDD_HTTP_DIALC
Icon
String Table
Version
Clas...
Res...
FileV...
http
OK
Cancel
Download
Edit
TODO: Place dialog controls here.
Con...
Build
Debug
Find in Files 1
Find in Files 2
Ready
0, 0
320 x 200
READ
Start
http - Microsoft Visua...
http1 - Paint
12:29 AM

```
void CHttpDlg::OnButton1()
{
    // TODO: Add your control notification handler code here

    CInternetSession* pInternetSession;
    pInternetSession = new CInternetSession();
    if(!pInternetSession)
    {
        AfxMessageBox("Could not establish Internet Session",MB_OK);
        return;

    }
    CStdioFile*pFile = NULL;
    char* buffer;
    buffer = new char[1000];
    pFile = pInternetSession->OpenURL(CString ("http://www.microsoft.com"));
    pFile->Read(buffer,1000);
    UpdateData(false);
    pFile->Close();
    pInternetSession->Close();
}
```

- By Clicking on the download the web page button .This download the first 1000 characters of the Microsoft home web page and dislay them.

Connecting to the internet with FTP

- Void CFTPDlg :: OnButton1()
- {
- CInternetSession* pInternetSession;
- pInternetSession = new CInternetSession();
- If(!pInternetSession)
- {
- AfxMessageBox("Could not establish InternetSession", MB_OK);
- Return;
- }

- pFTPConnection = pInternetSession->GetFtpConnection(Cstring(ftp.microsoft.com));
- If(!pFTPConnection){
- AfxMessageBox("Could not establish FTP Connection",MB_OK);
- return;
- }
- else{
- m_text ="Downloading";
- UpdateData(false);

pFTPConnection->GetFile(Cstring(“disclaimer.txt”),Cstring (“dis claimer.txt”));

- pFTPConnection->Close();
- pI nternetSession->Close();
- }
- }