АНОТАЦІЯ

Даний документ містить текст програмного мультимедійного комплексу для проведення інтерактивних заходів з підтримкою аудіо- та відеоконтенту.

Програма написана на мові C++ в середовищі програмування C++Builder.

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1 Головний файл проекту серверного модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

//--------------------------------------------------------------

USEFORM("Unit1.cpp", Form1);

USEFORM("Unit2.cpp", Form2);

//--------------------------------------------------------------

WINAPI WinMain(HINSTANCE, HINSTANCE, LPSTR, int)

{

try

{

Application->Initialize();

Application->CreateForm(\_\_classid(TForm1), &Form1);

Application->CreateForm(\_\_classid(TForm2), &Form2);

Application->Run();

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

catch (...)

{

try

{

throw Exception("");

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

}

return 0;

}

//--------------------------------------------------------------

2 Файл модулю головного вікна серверного модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

#include "Unit1.h"

#include "Unit2.h"

//--------------------------------------------------------------

#pragma package(smart\_init)

#pragma resource "\*.dfm"

#define sSize 256 // розмір тексту

#define aSize 15 // розмір масиву користувачів

TForm1 \*Form1;

int num\_players = 5;

int minT, maxT, intT;

AnsiString soundName1, soundName2;

TMemoryStream \*MS1 = new TMemoryStream ; // створення вхідного потоку

TMemoryStream \*MS2 = new TMemoryStream ; // створення вихідного потоку

typedef struct packMsg // пакет даних

{

unsigned short type; // packet type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

// 5 -

// 6 -

char ip[sSize]; // ip-address

char name[sSize]; // name or login

char word[sSize]; // password or answer

unsigned short mode; // mode type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

unsigned short opt; // option type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

} packMsg;

AnsiString lAddr, // IP-адреса локального компютера

nlAddr; // IP-адреса віддаленого компютера

AnsiString ArrAddr[3][aSize]; // масив IP-адрес, імен та статусів підключених користувачів

AnsiString lname, // імя локального користувача

nlname; // імя користувача, що передає повідомлення

packMsg pMsg, // пакет переданий

pMsgR; // пакет прийнятий

//--------------------------------------------------------------

\_\_fastcall TForm1::TForm1(TComponent\* Owner)

: TForm(Owner)

{

MediaPlayer1->AutoEnable = false;

MediaPlayer1->EnabledButtons = TButtonSet();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Screen1Click(TObject \*Sender)

{

if (Form1->Tag == 1)

{

Form1->Tag = 0;

Form1->BorderStyle = bsSizeable;

Form1->WindowState = wsNormal;

}

else

{

Form1->Tag = 1;

Form1->BorderStyle = bsNone;

Form1->WindowState = wsMaximized;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormResize(TObject \*Sender)

{

int w,mod;

w = TabSheet1->ClientWidth / num\_players;

mod = TabSheet1->ClientWidth % num\_players;

Panel1->Width = w;

Panel2->Width = w;

Panel3->Width = w;

Panel4->Width = w;

Panel5->Width = w;

Panel6->Width = w;

Panel7->Width = w;

Panel8->Width = w;

Panel9->Width = w;

Panel10->Width = w;

Image1Panel1->Left = 0;

Image1Panel1->Width = Panel1->ClientWidth-1;

Image1Panel2->Left = 0;

Image1Panel2->Width = Panel2->ClientWidth-1;

Image1Panel3->Left = 0;

Image1Panel3->Width = Panel3->ClientWidth-1;

Image1Panel4->Left = 0;

Image1Panel4->Width = Panel4->ClientWidth-1;

Image1Panel5->Left = 0;

Image1Panel5->Width = Panel5->ClientWidth-1;

Image1Panel6->Left = 0;

Image1Panel6->Width = Panel1->ClientWidth-1;

Image1Panel7->Left = 0;

Image1Panel7->Width = Panel1->ClientWidth-1;

Image1Panel8->Left = 0;

Image1Panel8->Width = Panel1->ClientWidth-1;

Image1Panel9->Left = 0;

Image1Panel9->Width = Panel1->ClientWidth-1;

Image1Panel10->Left = 0;

Image1Panel10->Width = Panel1->ClientWidth-1;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel1Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel1->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Exit1Click(TObject \*Sender)

{

Form1->Close();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = "0";

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = IntToStr(StrToInt(Label3Panel1->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = IntToStr(StrToInt(Label3Panel1->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = IntToStr(StrToInt(Label3Panel2->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = IntToStr(StrToInt(Label3Panel3->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = IntToStr(StrToInt(Label3Panel4->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = IntToStr(StrToInt(Label3Panel5->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = IntToStr(StrToInt(Label3Panel6->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = IntToStr(StrToInt(Label3Panel7->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = IntToStr(StrToInt(Label3Panel8->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = IntToStr(StrToInt(Label3Panel9->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = IntToStr(StrToInt(Label3Panel10->Caption)+1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = IntToStr(StrToInt(Label3Panel2->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = IntToStr(StrToInt(Label3Panel3->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = IntToStr(StrToInt(Label3Panel4->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = IntToStr(StrToInt(Label3Panel5->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = IntToStr(StrToInt(Label3Panel6->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = IntToStr(StrToInt(Label3Panel7->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = IntToStr(StrToInt(Label3Panel8->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = IntToStr(StrToInt(Label3Panel9->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = IntToStr(StrToInt(Label3Panel10->Caption)-1);

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = "0";

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = "0";

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = "0";

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::MediaPlayer1PostClick(TObject \*Sender,

TMPBtnType Button)

{

if (Button == btStop)

{

MediaPlayer1->Stop();

MediaPlayer1->Close();

MediaPlayer1->EnabledButtons = TButtonSet();

/\* Enable the Open button again. \*/

ToolButtonViewMediaOpen->Enabled = true;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonViewMediaOpenClick(TObject \*Sender)

{

TOpenDialog\* OpenMediaDialog;

OpenMediaDialog = new TOpenDialog(this);

OpenMediaDialog->Filter = "All Video Files (\*.avi)|\*.avi|All Audio Files (\*.mp3)|\*.mp3";

if (OpenMediaDialog->Execute())

{

/\* Assign a file to the media player. \*/

MediaPlayer1->FileName = OpenMediaDialog->FileName;

/\* Check if the file exists and is not a directory .\*/

if ((FileExists(OpenMediaDialog->FileName)) &&

(!DirectoryExists(OpenMediaDialog->FileName)))

{

/\* Open the files. \*/

MediaPlayer1->Wait = true;

MediaPlayer1->Open();

/\* Override automatic button controlling. \*/

MediaPlayer1->EnabledButtons =

TButtonSet() <<

btPause <<

btStop <<

btPlay;

/\* Enable the Stop button. \*/

ToolButtonViewMediaOpen->Enabled = false;

}

delete OpenMediaDialog;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonViewImageClick(TObject \*Sender)

{

if(OpenPictureDialogView->Execute())

{

ImageView->Picture->LoadFromFile(OpenPictureDialogView->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonViewClearClick(TObject \*Sender)

{

ImageView->Picture->Bitmap->FreeImage();

ImageView->Picture->Bitmap = NULL;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormPaint(TObject \*Sender)

{

if ( MediaPlayer1->Mode == mpStopped )

{

MediaPlayer1->Position = 1;

MediaPlayer1->Position = 0;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonNameFontClick(TObject \*Sender)

{

FontDialog1Name->Font = Label1Panel1->Font;

if (FontDialog1Name->Execute())

{

Label1Panel1->Font = FontDialog1Name->Font;

Label1Panel2->Font = FontDialog1Name->Font;

Label1Panel3->Font = FontDialog1Name->Font;

Label1Panel4->Font = FontDialog1Name->Font;

Label1Panel5->Font = FontDialog1Name->Font;

Label1Panel6->Font = FontDialog1Name->Font;

Label1Panel7->Font = FontDialog1Name->Font;

Label1Panel8->Font = FontDialog1Name->Font;

Label1Panel9->Font = FontDialog1Name->Font;

Label1Panel10->Font = FontDialog1Name->Font;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonPlayerFontClick(TObject \*Sender)

{

FontDialog2Player->Font = Label2Panel1->Font;

if (FontDialog2Player->Execute())

{

Label2Panel1->Font = FontDialog2Player->Font;

Label2Panel2->Font = FontDialog2Player->Font;

Label2Panel3->Font = FontDialog2Player->Font;

Label2Panel4->Font = FontDialog2Player->Font;

Label2Panel5->Font = FontDialog2Player->Font;

Label2Panel6->Font = FontDialog2Player->Font;

Label2Panel7->Font = FontDialog2Player->Font;

Label2Panel8->Font = FontDialog2Player->Font;

Label2Panel9->Font = FontDialog2Player->Font;

Label2Panel10->Font = FontDialog2Player->Font;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonDigitFontClick(TObject \*Sender)

{

FontDialog3Digit->Font = Label3Panel1->Font;

if (FontDialog3Digit->Execute())

{

Label3Panel1->Font = FontDialog3Digit->Font;

Label3Panel2->Font = FontDialog3Digit->Font;

Label3Panel3->Font = FontDialog3Digit->Font;

Label3Panel4->Font = FontDialog3Digit->Font;

Label3Panel5->Font = FontDialog3Digit->Font;

Label3Panel6->Font = FontDialog3Digit->Font;

Label3Panel7->Font = FontDialog3Digit->Font;

Label3Panel8->Font = FontDialog3Digit->Font;

Label3Panel9->Font = FontDialog3Digit->Font;

Label3Panel10->Font = FontDialog3Digit->Font;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolBarCount1Click(TObject \*Sender)

{

ToolBarCount->Visible = ToolBarCount1->Checked;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolBarTimer1Click(TObject \*Sender)

{

ToolBarTimer->Visible = ToolBarTimer1->Checked;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolBarView1Click(TObject \*Sender)

{

ToolBarView->Visible = ToolBarView1->Checked;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonOpenPicClick(TObject \*Sender)

{

BitBtn1PicPanel1->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel2->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel3->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel4->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel5->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel6->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel7->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel8->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel9->Visible = ToolButtonOpenPic->Down;

BitBtn1PicPanel10->Visible = ToolButtonOpenPic->Down;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N12Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 1;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N22Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 2;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N31Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 3;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N41Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 4;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N51Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 5;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N61Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 6;

Panel6->Visible = true;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N71Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 7;

Panel7->Visible = true;

Panel6->Visible = true;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N81Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 8;

Panel8->Visible = true;

Panel7->Visible = true;

Panel6->Visible = true;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N91Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 9;

Panel9->Visible = true;

Panel8->Visible = true;

Panel7->Visible = true;

Panel6->Visible = true;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::N101Click(TObject \*Sender)

{

Panel1->Visible = false;

Panel2->Visible = false;

Panel3->Visible = false;

Panel4->Visible = false;

Panel5->Visible = false;

Panel6->Visible = false;

Panel7->Visible = false;

Panel8->Visible = false;

Panel9->Visible = false;

Panel10->Visible = false;

num\_players = 10;

Panel10->Visible = true;

Panel9->Visible = true;

Panel8->Visible = true;

Panel7->Visible = true;

Panel6->Visible = true;

Panel5->Visible = true;

Panel4->Visible = true;

Panel3->Visible = true;

Panel2->Visible = true;

Panel1->Visible = true;

FormResize(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel2Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel2->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel3Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel3->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel4Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel4->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel5Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel5->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel6Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel6->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel7Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel7->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel8Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel8->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel9Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel9->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1PicPanel10Click(TObject \*Sender)

{

AnsiString vAsCurDir;

vAsCurDir=GetCurrentDir();

OpenPictureDialog1->InitialDir = vAsCurDir;

if (OpenPictureDialog1->Execute())

{

Image1Panel10->Picture->LoadFromFile(OpenPictureDialog1->FileName);

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonTimerStartClick(TObject \*Sender)

{

if ((StrToInt(PanelTimer->Caption)!=maxT) && (SpeedButtonTimerModeUp->Down) ||

(StrToInt(PanelTimer->Caption)!=minT) && (SpeedButtonTimerModeDown->Down))

{

TimerTimer->Enabled = true;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonTimerStopClick(TObject \*Sender)

{

TimerTimer->Enabled = false;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormCreate(TObject \*Sender)

{

maxT = 60;

minT = 0;

intT = -1;

PanelTimer->Caption = IntToStr(maxT);

AnsiString vAsProgDir;

vAsProgDir=ExtractFilePath(Application->ExeName);

soundName1 = vAsProgDir + "\\sound\\ding.wav";

soundName2 = vAsProgDir + "\\sound\\gong.wav";

FontDialogTimer->Font = PanelTimer->Font;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ComboBox1Change(TObject \*Sender)

{

maxT = StrToInt(ComboBox1->Text);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::TimerTimerTimer(TObject \*Sender)

{

PanelTimer->Caption = IntToStr(StrToInt(PanelTimer->Caption)+intT);

// sndPlaySound('SystemExit', SND\_SYNC); // dynamic

if ((SpeedButtonTimerModeDown->Down && (StrToInt(PanelTimer->Caption)==minT)) ||

(SpeedButtonTimerModeUp->Down && (StrToInt(PanelTimer->Caption)==maxT)))

{

MediaPlayerTimer->FileName = soundName2;

TimerTimer->Enabled = false;

ToolButtonTimerStart->Enabled = false;

ToolButtonTimerStop->Enabled = false;

}

else

{

MediaPlayerTimer->FileName = soundName1;

}

MediaPlayerTimer->Open();

MediaPlayerTimer->Play();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonTimerResetClick(TObject \*Sender)

{

if (SpeedButtonTimerModeDown->Down)

{

PanelTimer->Caption = IntToStr(maxT);

}

else

{

PanelTimer->Caption = IntToStr(minT);

}

ToolButtonTimerStart->Enabled = true;

ToolButtonTimerStop->Enabled = true;

TimerTimer->Enabled = false;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButton1Click(TObject \*Sender)

{

FontDialogTimer->Font = PanelTimer->Font;

if (FontDialogTimer->Execute())

{

PanelTimer->Font = FontDialogTimer->Font;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonTimerDingClick(TObject \*Sender)

{

AnsiString vAsProgDir;

vAsProgDir=ExtractFilePath(Application->ExeName);

OpenDialogTimer->InitialDir = vAsProgDir;

if (OpenDialogTimer->Execute())

{

soundName1 = OpenDialogTimer->FileName;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonTimerGongClick(TObject \*Sender)

{

AnsiString vAsProgDir;

vAsProgDir=ExtractFilePath(Application->ExeName);

OpenDialogTimer->InitialDir = vAsProgDir;

if (OpenDialogTimer->Execute())

{

soundName2 = OpenDialogTimer->FileName;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::SpeedButtonTimerModeDownClick(TObject \*Sender)

{

intT = -1;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::SpeedButtonTimerModeUpClick(TObject \*Sender)

{

intT = +1;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::InfoEditor1Click(TObject \*Sender)

{

Form2->ShowModal();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::GetInfo1Click(TObject \*Sender)

{

AnsiString vAsProgDir, vFile1, vFile2;

vAsProgDir = ExtractFilePath(Application->ExeName);

vFile1 = vAsProgDir+"info\\names.txt";

vFile2 = vAsProgDir+"info\\names\_add.txt";

TStringList \*List = new TStringList;

List->LoadFromFile(vFile1);

switch(List->Count)

{

case 10: Label1Panel10->Caption = List->Strings[9];

case 9: Label1Panel9->Caption = List->Strings[8];

case 8: Label1Panel8->Caption = List->Strings[7];

case 7: Label1Panel7->Caption = List->Strings[6];

case 6: Label1Panel6->Caption = List->Strings[5];

case 5: Label1Panel5->Caption = List->Strings[4];

case 4: Label1Panel4->Caption = List->Strings[3];

case 3: Label1Panel3->Caption = List->Strings[2];

case 2: Label1Panel2->Caption = List->Strings[1];

case 1: Label1Panel1->Caption = List->Strings[0]; break;

default:

{

if(List->Count>10)

{

Label1Panel10->Caption = List->Strings[9];

Label1Panel9->Caption = List->Strings[8];

Label1Panel8->Caption = List->Strings[7];

Label1Panel7->Caption = List->Strings[6];

Label1Panel6->Caption = List->Strings[5];

Label1Panel5->Caption = List->Strings[4];

Label1Panel4->Caption = List->Strings[3];

Label1Panel3->Caption = List->Strings[2];

Label1Panel2->Caption = List->Strings[1];

Label1Panel1->Caption = List->Strings[0];

}

}

}

List->LoadFromFile(vFile2);

switch(List->Count)

{

case 10: Label2Panel10->Caption = List->Strings[9];

case 9: Label2Panel9->Caption = List->Strings[8];

case 8: Label2Panel8->Caption = List->Strings[7];

case 7: Label2Panel7->Caption = List->Strings[6];

case 6: Label2Panel6->Caption = List->Strings[5];

case 5: Label2Panel5->Caption = List->Strings[4];

case 4: Label2Panel4->Caption = List->Strings[3];

case 3: Label2Panel3->Caption = List->Strings[2];

case 2: Label2Panel2->Caption = List->Strings[1];

case 1: Label2Panel1->Caption = List->Strings[0]; break;

default:

{

if(List->Count>10)

{

Label2Panel10->Caption = List->Strings[9];

Label2Panel9->Caption = List->Strings[8];

Label2Panel8->Caption = List->Strings[7];

Label2Panel7->Caption = List->Strings[6];

Label2Panel6->Caption = List->Strings[5];

Label2Panel5->Caption = List->Strings[4];

Label2Panel4->Caption = List->Strings[3];

Label2Panel3->Caption = List->Strings[2];

Label2Panel2->Caption = List->Strings[1];

Label2Panel1->Caption = List->Strings[0];

}

}

}

delete List; // видалення списку

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::ClearInfo1Click(TObject \*Sender)

{

Label1Panel10->Caption = "";

Label1Panel9->Caption = "";

Label1Panel8->Caption = "";

Label1Panel7->Caption = "";

Label1Panel6->Caption = "";

Label1Panel5->Caption = "";

Label1Panel4->Caption = "";

Label1Panel3->Caption = "";

Label1Panel2->Caption = "";

Label1Panel1->Caption = "";

Label2Panel10->Caption = "";

Label2Panel9->Caption = "";

Label2Panel8->Caption = "";

Label2Panel7->Caption = "";

Label2Panel6->Caption = "";

Label2Panel5->Caption = "";

Label2Panel4->Caption = "";

Label2Panel3->Caption = "";

Label2Panel2->Caption = "";

Label2Panel1->Caption = "";

Label3Panel10->Caption = "0";

Label3Panel9->Caption = "0";

Label3Panel8->Caption = "0";

Label3Panel7->Caption = "0";

Label3Panel6->Caption = "0";

Label3Panel5->Caption = "0";

Label3Panel4->Caption = "0";

Label3Panel3->Caption = "0";

Label3Panel2->Caption = "0";

Label3Panel1->Caption = "0";

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Server1Click(TObject \*Sender)

{

Server1->Checked = !Server1->Checked;

if(Server1->Checked)

{

IdUDPServer1->Active = true;

IdUDPClient1->Active = true;

}

else

{

IdUDPServer1->Active = false;

IdUDPClient1->Active = false;

}

ActionServerSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::IdUDPServer1UDPRead(TObject \*Sender,

TStream \*AData, TIdSocketHandle \*ABinding)

{

try

{

AData->Read(&pMsgR,sizeof(pMsgR));

nlAddr = ABinding->PeerIP;

switch (pMsgR.type)

{

// ===================== прийнято пакет авторизації адміна

case 1:

{

//

}

// ===================== прийнято пакет авторизації клієнта

case 2:

{

//

}

// ===================== прийнято пакет відповіді клієнта

case 3:

{

//

}

// ===================== прийнято пакет зміни режиму від адміна

case 4:

{

//

}

// ===================== прийнято пакет керування режимом від адміна

case 5:

{

//

}

} // end switch

} //end try

\_\_finally

{

};

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::ToolButtonPointsClick(TObject \*Sender)

{

BitBtn1AddPanel1->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel1->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel1->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel2->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel2->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel2->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel3->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel3->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel3->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel4->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel4->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel4->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel5->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel5->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel5->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel6->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel6->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel6->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel7->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel7->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel7->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel8->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel8->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel8->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel9->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel9->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel9->Visible = ToolButtonPoints->Down;

BitBtn1AddPanel10->Visible = ToolButtonPoints->Down;

BitBtn1SubPanel10->Visible = ToolButtonPoints->Down;

BitBtn1ResetPanel10->Visible = ToolButtonPoints->Down;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Button2Click(TObject \*Sender)

{

// PageControl1->ActivePage = TabSheet2;

// TabSheet2->TabVisible = true;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ActionServerSendExecute(TObject \*Sender)

{

if ((GetSystemMetrics(SM\_NETWORK) & 0x01)) // чи є взагалі мережа

{

if (IdUDPServer1->Active) // якщо є звязок

{

IdUDPServer1->DefaultPort=7777;

IdUDPServer1->BroadcastEnabled=true;

IdUDPClient1->Port=7777;

IdUDPClient1->Host="127.0.0.1";

IdUDPClient1->BroadcastEnabled=true;

// формування пакету з даними

pMsg.type = 0;

// pMsg.ip = "0";

// pMsg.name = "0";

// pMsg.word = "0";

pMsg.mode = 0;

pMsg.opt = 0;

IdUDPClient1->SendBuffer(&pMsg, sizeof(pMsg));

}

}

}

//--------------------------------------------------------------

3 Заголовковий файл головного вікна серверного модулю

//--------------------------------------------------------------

#ifndef Unit1H

#define Unit1H

//--------------------------------------------------------------

#include <Classes.hpp>

#include <Controls.hpp>

#include <StdCtrls.hpp>

#include <Forms.hpp>

#include <ComCtrls.hpp>

#include <Menus.hpp>

#include <ExtCtrls.hpp>

#include <Buttons.hpp>

#include <Dialogs.hpp>

#include <ExtDlgs.hpp>

#include <Graphics.hpp>

#include <MPlayer.hpp>

#include <ToolWin.hpp>

#include <ImgList.hpp>

#include <IdBaseComponent.hpp>

#include <IdComponent.hpp>

#include <IdTCPServer.hpp>

#include <IdUDPBase.hpp>

#include <IdUDPServer.hpp>

#include <IdUDPClient.hpp>

#include <ActnList.hpp>

//--------------------------------------------------------------

class TForm1 : public TForm

{

\_\_published: // IDE-managed Components

TMainMenu \*MainMenu1;

TPageControl \*PageControl1;

TTabSheet \*TabSheet1;

TTabSheet \*TabSheet2;

TTabSheet \*TabSheet3;

TMenuItem \*File1;

TMenuItem \*Mode1;

TPanel \*Panel1;

TPanel \*Panel2;

TPanel \*Panel3;

TPanel \*Panel4;

TPanel \*Panel5;

TPanel \*Panel6;

TPanel \*Panel7;

TPanel \*Panel8;

TPanel \*Panel9;

TPanel \*Panel10;

TMenuItem \*Screen1;

TImage \*Image1Panel1;

TBitBtn \*BitBtn1PicPanel1;

TOpenPictureDialog \*OpenPictureDialog1;

TLabel \*Label1Panel1;

TMenuItem \*Exit1;

TLabel \*Label3Panel1;

TMenuItem \*ViewM1;

TMenuItem \*Count1;

TMenuItem \*View1;

TFontDialog \*FontDialog1Name;

TFontDialog \*FontDialog3Digit;

TBitBtn \*BitBtn1AddPanel1;

TBitBtn \*BitBtn1SubPanel1;

TBitBtn \*BitBtn1ResetPanel1;

TLabel \*Label2Panel1;

TMenuItem \*Timer1;

TFontDialog \*FontDialog2Player;

TLabel \*Label1Panel2;

TImage \*Image1Panel2;

TLabel \*Label2Panel2;

TLabel \*Label3Panel2;

TBitBtn \*BitBtn1AddPanel2;

TBitBtn \*BitBtn1SubPanel2;

TBitBtn \*BitBtn1ResetPanel2;

TLabel \*Label1Panel3;

TImage \*Image1Panel3;

TLabel \*Label2Panel3;

TLabel \*Label3Panel3;

TBitBtn \*BitBtn1AddPanel3;

TBitBtn \*BitBtn1SubPanel3;

TBitBtn \*BitBtn1ResetPanel3;

TLabel \*Label1Panel4;

TImage \*Image1Panel4;

TLabel \*Label2Panel4;

TLabel \*Label3Panel4;

TBitBtn \*BitBtn1AddPanel4;

TBitBtn \*BitBtn1SubPanel4;

TBitBtn \*BitBtn1ResetPanel4;

TLabel \*Label1Panel5;

TImage \*Image1Panel5;

TLabel \*Label2Panel5;

TLabel \*Label3Panel5;

TBitBtn \*BitBtn1AddPanel5;

TBitBtn \*BitBtn1SubPanel5;

TBitBtn \*BitBtn1ResetPanel5;

TLabel \*Label1Panel6;

TImage \*Image1Panel6;

TLabel \*Label2Panel6;

TLabel \*Label3Panel6;

TBitBtn \*BitBtn1AddPanel6;

TBitBtn \*BitBtn1SubPanel6;

TBitBtn \*BitBtn1ResetPanel6;

TLabel \*Label1Panel7;

TImage \*Image1Panel7;

TLabel \*Label2Panel7;

TLabel \*Label3Panel7;

TBitBtn \*BitBtn1AddPanel7;

TBitBtn \*BitBtn1SubPanel7;

TBitBtn \*BitBtn1ResetPanel7;

TLabel \*Label1Panel8;

TImage \*Image1Panel8;

TLabel \*Label2Panel8;

TLabel \*Label3Panel8;

TBitBtn \*BitBtn1AddPanel8;

TBitBtn \*BitBtn1SubPanel8;

TBitBtn \*BitBtn1ResetPanel8;

TLabel \*Label1Panel9;

TImage \*Image1Panel9;

TLabel \*Label2Panel9;

TLabel \*Label3Panel9;

TBitBtn \*BitBtn1AddPanel9;

TBitBtn \*BitBtn1SubPanel9;

TBitBtn \*BitBtn1ResetPanel9;

TLabel \*Label1Panel10;

TImage \*Image1Panel10;

TLabel \*Label2Panel10;

TLabel \*Label3Panel10;

TBitBtn \*BitBtn1AddPanel10;

TBitBtn \*BitBtn1SubPanel10;

TBitBtn \*BitBtn1ResetPanel10;

TMediaPlayer \*MediaPlayer1;

TPanel \*PanelDemo;

TImage \*ImageView;

TPanel \*PanelTimer;

TToolBar \*ToolBarTimer;

TToolButton \*ToolButtonTimerStart;

TToolButton \*ToolButtonTimerStop;

TToolButton \*ToolButtonTimerReset;

TToolButton \*ToolButton4;

TToolButton \*ToolButton5;

TToolBar \*ToolBarView;

TToolButton \*ToolButtonViewClear;

TToolButton \*ToolButtonViewImage;

TToolButton \*ToolButtonViewMediaOpen;

TToolButton \*ToolButton9;

TToolButton \*ToolButton10;

TToolButton \*ToolButton8;

TToolButton \*ToolButton11;

TOpenPictureDialog \*OpenPictureDialogView;

TToolButton \*ToolButton12;

TToolBar \*ToolBarCount;

TToolButton \*ToolButton13;

TToolButton \*ToolButtonNameFont;

TToolButton \*ToolButtonPlayerFont;

TToolButton \*ToolButtonDigitFont;

TToolButton \*ToolButton17;

TMenuItem \*ToolBarCount1;

TMenuItem \*ToolBarTimer1;

TMenuItem \*ToolBarView1;

TToolButton \*ToolButtonOpenPic;

TToolButton \*ToolButton15;

TBitBtn \*BitBtn1PicPanel2;

TBitBtn \*BitBtn1PicPanel3;

TBitBtn \*BitBtn1PicPanel4;

TBitBtn \*BitBtn1PicPanel5;

TBitBtn \*BitBtn1PicPanel6;

TBitBtn \*BitBtn1PicPanel7;

TBitBtn \*BitBtn1PicPanel8;

TBitBtn \*BitBtn1PicPanel9;

TBitBtn \*BitBtn1PicPanel10;

TMenuItem \*Edit1;

TMenuItem \*Players1;

TMenuItem \*N12;

TMenuItem \*N22;

TMenuItem \*N31;

TMenuItem \*N41;

TMenuItem \*N51;

TMenuItem \*N61;

TMenuItem \*N71;

TMenuItem \*N81;

TMenuItem \*N91;

TMenuItem \*N101;

TComboBox \*ComboBox1;

TToolButton \*ToolButton6;

TToolButton \*ToolButton16;

TSpeedButton \*SpeedButtonTimerModeDown;

TSpeedButton \*SpeedButtonTimerModeUp;

TToolButton \*ToolButtonTimerDing;

TToolButton \*ToolButtonTimerGong;

TToolButton \*ToolButton18;

TImageList \*ImageList1;

TImageList \*ImageList2;

TImageList \*ImageList3;

TOpenDialog \*OpenDialogTimer;

TTimer \*TimerTimer;

TToolButton \*ToolButton1;

TToolButton \*ToolButton2;

TMediaPlayer \*MediaPlayerTimer;

TFontDialog \*FontDialogTimer;

TMenuItem \*InfoEditor1;

TMenuItem \*Info1;

TMenuItem \*GetInfo1;

TMenuItem \*N1;

TMenuItem \*ClearInfo1;

TMenuItem \*N2;

TMenuItem \*Server1;

TEdit \*Edit2;

TIdUDPServer \*IdUDPServer1;

TToolButton \*ToolButtonPoints;

TIdUDPClient \*IdUDPClient1;

TActionList \*ActionList1;

TAction \*ActionServerSend;

void \_\_fastcall Screen1Click(TObject \*Sender);

void \_\_fastcall FormResize(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel1Click(TObject \*Sender);

void \_\_fastcall Exit1Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel10Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel10Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel10Click(TObject \*Sender);

void \_\_fastcall MediaPlayer1PostClick(TObject \*Sender,

TMPBtnType Button);

void \_\_fastcall ToolButtonViewMediaOpenClick(TObject \*Sender);

void \_\_fastcall ToolButtonViewImageClick(TObject \*Sender);

void \_\_fastcall ToolButtonViewClearClick(TObject \*Sender);

void \_\_fastcall FormPaint(TObject \*Sender);

void \_\_fastcall ToolButtonNameFontClick(TObject \*Sender);

void \_\_fastcall ToolButtonPlayerFontClick(TObject \*Sender);

void \_\_fastcall ToolButtonDigitFontClick(TObject \*Sender);

void \_\_fastcall ToolBarCount1Click(TObject \*Sender);

void \_\_fastcall ToolBarTimer1Click(TObject \*Sender);

void \_\_fastcall ToolBarView1Click(TObject \*Sender);

void \_\_fastcall ToolButtonOpenPicClick(TObject \*Sender);

void \_\_fastcall N12Click(TObject \*Sender);

void \_\_fastcall N22Click(TObject \*Sender);

void \_\_fastcall N31Click(TObject \*Sender);

void \_\_fastcall N41Click(TObject \*Sender);

void \_\_fastcall N51Click(TObject \*Sender);

void \_\_fastcall N61Click(TObject \*Sender);

void \_\_fastcall N71Click(TObject \*Sender);

void \_\_fastcall N81Click(TObject \*Sender);

void \_\_fastcall N91Click(TObject \*Sender);

void \_\_fastcall N101Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1PicPanel10Click(TObject \*Sender);

void \_\_fastcall ToolButtonTimerStartClick(TObject \*Sender);

void \_\_fastcall ToolButtonTimerStopClick(TObject \*Sender);

void \_\_fastcall FormCreate(TObject \*Sender);

void \_\_fastcall ComboBox1Change(TObject \*Sender);

void \_\_fastcall TimerTimerTimer(TObject \*Sender);

void \_\_fastcall ToolButtonTimerResetClick(TObject \*Sender);

void \_\_fastcall ToolButton1Click(TObject \*Sender);

void \_\_fastcall ToolButtonTimerDingClick(TObject \*Sender);

void \_\_fastcall ToolButtonTimerGongClick(TObject \*Sender);

void \_\_fastcall SpeedButtonTimerModeDownClick(TObject \*Sender);

void \_\_fastcall SpeedButtonTimerModeUpClick(TObject \*Sender);

void \_\_fastcall InfoEditor1Click(TObject \*Sender);

void \_\_fastcall GetInfo1Click(TObject \*Sender);

void \_\_fastcall ClearInfo1Click(TObject \*Sender);

void \_\_fastcall Server1Click(TObject \*Sender);

void \_\_fastcall IdUDPServer1UDPRead(TObject \*Sender,

TStream \*AData, TIdSocketHandle \*ABinding);

void \_\_fastcall ToolButtonPointsClick(TObject \*Sender);

void \_\_fastcall Button2Click(TObject \*Sender);

void \_\_fastcall ActionServerSendExecute(TObject \*Sender);

private: // User declarations

public: // User declarations

\_\_fastcall TForm1(TComponent\* Owner);

};

//--------------------------------------------------------------

extern PACKAGE TForm1 \*Form1;

//--------------------------------------------------------------#endif

//--------------------------------------------------------------

4 Файл модулю вікна редактора інформації серверного модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

#include "Unit2.h"

//--------------------------------------------------------------

#pragma package(smart\_init)

#pragma resource "\*.dfm"

TForm2 \*Form2;

//--------------------------------------------------------------

\_\_fastcall TForm2::TForm2(TComponent\* Owner)

: TForm(Owner)

{

}

//--------------------------------------------------------------

void \_\_fastcall TForm2::ToolButton7Click(TObject \*Sender)

{

Form2->Close();

}

//--------------------------------------------------------------

void \_\_fastcall TForm2::ToolButton2Click(TObject \*Sender)

{

AnsiString vAsProgDir, vFile;

vAsProgDir = ExtractFilePath(Application->ExeName);

vFile = vAsProgDir+"info\\names.txt";

Memo1->Lines->LoadFromFile(vFile);

StatusBar1->SimpleText = vFile;

}

//--------------------------------------------------------------

void \_\_fastcall TForm2::ToolButton3Click(TObject \*Sender)

{

AnsiString vAsProgDir, vFile;

vAsProgDir = ExtractFilePath(Application->ExeName);

vFile = vAsProgDir+"info\\names\_add.txt";

Memo1->Lines->LoadFromFile(vFile);

StatusBar1->SimpleText = vFile;

}

//--------------------------------------------------------------

void \_\_fastcall TForm2::ToolButton5Click(TObject \*Sender)

{

if(StatusBar1->SimpleText!="")

{

Memo1->Lines->SaveToFile(StatusBar1->SimpleText);

}

}

//--------------------------------------------------------------

5 Заголовковий файл модуля редактора інформації серверного модулю

//--------------------------------------------------------------

#ifndef Unit2H

#define Unit2H

//--------------------------------------------------------------

#include <Classes.hpp>

#include <Controls.hpp>

#include <StdCtrls.hpp>

#include <Forms.hpp>

#include <ComCtrls.hpp>

#include <ImgList.hpp>

#include <ToolWin.hpp>

//--------------------------------------------------------------

class TForm2 : public TForm

{

\_\_published: // IDE-managed Components

TToolBar \*ToolBar1;

TToolButton \*ToolButton1;

TToolButton \*ToolButton2;

TToolButton \*ToolButton3;

TToolButton \*ToolButton4;

TToolButton \*ToolButton5;

TToolButton \*ToolButton6;

TImageList \*ImageListInfoEditor;

TMemo \*Memo1;

TStatusBar \*StatusBar1;

TToolButton \*ToolButton7;

TToolButton \*ToolButton8;

void \_\_fastcall ToolButton7Click(TObject \*Sender);

void \_\_fastcall ToolButton2Click(TObject \*Sender);

void \_\_fastcall ToolButton3Click(TObject \*Sender);

void \_\_fastcall ToolButton5Click(TObject \*Sender);

private: // User declarations

public: // User declarations

\_\_fastcall TForm2(TComponent\* Owner);

};

//--------------------------------------------------------------

extern PACKAGE TForm2 \*Form2;

//--------------------------------------------------------------

#endif

//--------------------------------------------------------------

6 Головний файл проекту адміністративного модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

//--------------------------------------------------------------

USEFORM("Unit1.cpp", Form1);

//--------------------------------------------------------------

WINAPI WinMain(HINSTANCE, HINSTANCE, LPSTR, int)

{

try

{

Application->Initialize();

Application->CreateForm(\_\_classid(TForm1), &Form1);

Application->Run();

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

catch (...)

{

try

{

throw Exception("");

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

}

return 0;

}

//--------------------------------------------------------------

7 Файл модулю головного вікна адміністративного модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

#include "Unit1.h"

//--------------------------------------------------------------

#pragma package(smart\_init)

#pragma resource "\*.dfm"

#define sSize 256 // розмір тексту

#define aSize 15 // розмір масиву користувачів

TForm1 \*Form1;

int num\_players = 5;

//int minT, maxT, intT;

//AnsiString soundName1, soundName2;

TMemoryStream \*MS1 = new TMemoryStream ; // створення вхідного потоку

TMemoryStream \*MS2 = new TMemoryStream ; // створення вихідного потоку

typedef struct packMsg // пакет даних

{

unsigned short type; // packet type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

// 5 -

// 6 -

char ip[sSize]; // ip-address

char name[sSize]; // name or login

char word[sSize]; // password or answer

unsigned short mode; // mode type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

unsigned short opt; // option type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

} packMsg;

AnsiString lAddr, // IP-адреса локального компютера

nlAddr; // IP-адреса віддаленого компютера

AnsiString ArrAddr[3][aSize]; // масив IP-адрес, імен та статусів підключених користувачів

AnsiString lname, // імя локального користувача

nlname; // імя користувача, що передає повідомлення

packMsg pMsg, // пакет переданий

pMsgR; // пакет прийнятий

//--------------------------------------------------------------

\_\_fastcall TForm1::TForm1(TComponent\* Owner)

: TForm(Owner)

{

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Screen1Click(TObject \*Sender)

{

if (Form1->Tag == 1)

{

Form1->Tag = 0;

Form1->BorderStyle = bsSizeable;

Form1->WindowState = wsNormal;

}

else

{

Form1->Tag = 1;

Form1->BorderStyle = bsNone;

Form1->WindowState = wsMaximized;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormResize(TObject \*Sender)

{

int w,mod;

w = TabSheet1->ClientWidth / num\_players;

mod = TabSheet1->ClientWidth % num\_players;

Panel1->Width = w;

Panel2->Width = w;

Panel3->Width = w;

Panel4->Width = w;

Panel5->Width = w;

Panel6->Width = w;

Panel7->Width = w;

Panel8->Width = w;

Panel9->Width = w;

Panel10->Width = w;

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Exit1Click(TObject \*Sender)

{

Form1->Close();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = IntToStr(StrToInt(Label3Panel1->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel1Click(TObject \*Sender)

{

Label3Panel1->Caption = IntToStr(StrToInt(Label3Panel1->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = IntToStr(StrToInt(Label3Panel2->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = IntToStr(StrToInt(Label3Panel3->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = IntToStr(StrToInt(Label3Panel4->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = IntToStr(StrToInt(Label3Panel5->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = IntToStr(StrToInt(Label3Panel6->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = IntToStr(StrToInt(Label3Panel7->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = IntToStr(StrToInt(Label3Panel8->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = IntToStr(StrToInt(Label3Panel9->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1AddPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = IntToStr(StrToInt(Label3Panel10->Caption)+1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = IntToStr(StrToInt(Label3Panel2->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = IntToStr(StrToInt(Label3Panel3->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = IntToStr(StrToInt(Label3Panel4->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = IntToStr(StrToInt(Label3Panel5->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = IntToStr(StrToInt(Label3Panel6->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = IntToStr(StrToInt(Label3Panel7->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = IntToStr(StrToInt(Label3Panel8->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = IntToStr(StrToInt(Label3Panel9->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1SubPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = IntToStr(StrToInt(Label3Panel10->Caption)-1);

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel2Click(TObject \*Sender)

{

Label3Panel2->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel3Click(TObject \*Sender)

{

Label3Panel3->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel4Click(TObject \*Sender)

{

Label3Panel4->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel5Click(TObject \*Sender)

{

Label3Panel5->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel6Click(TObject \*Sender)

{

Label3Panel6->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel7Click(TObject \*Sender)

{

Label3Panel7->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel8Click(TObject \*Sender)

{

Label3Panel8->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel9Click(TObject \*Sender)

{

Label3Panel9->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::BitBtn1ResetPanel10Click(TObject \*Sender)

{

Label3Panel10->Caption = "0";

ActionDataSendExecute(Sender);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormCreate(TObject \*Sender)

{

AnsiString vAsProgDir;

vAsProgDir=ExtractFilePath(Application->ExeName);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ClearInfo1Click(TObject \*Sender)

{

Label1Panel10->Caption = "";

Label1Panel9->Caption = "";

Label1Panel8->Caption = "";

Label1Panel7->Caption = "";

Label1Panel6->Caption = "";

Label1Panel5->Caption = "";

Label1Panel4->Caption = "";

Label1Panel3->Caption = "";

Label1Panel2->Caption = "";

Label1Panel1->Caption = "";

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ActionDataSendExecute(TObject \*Sender)

{

if ((GetSystemMetrics(SM\_NETWORK) & 0x01)) // чи є взагалі мережа

{

if (IdUDPServer1->Active) // якщо є звязок

{

IdUDPServer1->DefaultPort=7777;

IdUDPServer1->BroadcastEnabled=true;

IdUDPClient1->Port=7777;

IdUDPClient1->Host="127.0.0.1";

IdUDPClient1->BroadcastEnabled=true;

// формування пакету з даними

pMsg.type = 0;

// pMsg.ip = "0";

// pMsg.name = "0";

// pMsg.word = "0";

pMsg.mode = 0;

pMsg.opt = 0;

IdUDPClient1->SendBuffer(&pMsg, sizeof(pMsg));

}

}

}

//--------------------------------------------------------------

8 Заголовковий файл головного вікна адміністративного модулю

//--------------------------------------------------------------

#ifndef Unit1H

#define Unit1H

//--------------------------------------------------------------

#include <Classes.hpp>

#include <Controls.hpp>

#include <StdCtrls.hpp>

#include <Forms.hpp>

#include <ComCtrls.hpp>

#include <Menus.hpp>

#include <ExtCtrls.hpp>

#include <Buttons.hpp>

#include <Dialogs.hpp>

#include <ExtDlgs.hpp>

#include <Graphics.hpp>

#include <MPlayer.hpp>

#include <ToolWin.hpp>

#include <ImgList.hpp>

#include <IdBaseComponent.hpp>

#include <IdComponent.hpp>

#include <IdTCPServer.hpp>

#include <IdTCPClient.hpp>

#include <IdTCPConnection.hpp>

#include <IdUDPBase.hpp>

#include <IdUDPClient.hpp>

#include <IdUDPServer.hpp>

#include <ActnList.hpp>

//--------------------------------------------------------------

class TForm1 : public TForm

{

\_\_published: // IDE-managed Components

TMainMenu \*MainMenu1;

TMenuItem \*File1;

TMenuItem \*Mode1; TMenuItem \*Screen1;

TMenuItem \*Exit1; TMenuItem \*N2;

TMenuItem \*Server1;

TIdUDPClient \*IdUDPClient1; TIdUDPServer \*IdUDPServer1;

TPageControl \*PageControl1;

TTabSheet \*TabSheet1;

TPanel \*Panel1;

TLabel \*Label1Panel1;

TLabel \*Label3Panel1;

TBitBtn \*BitBtn1AddPanel1;

TBitBtn \*BitBtn1SubPanel1;

TBitBtn \*BitBtn1ResetPanel1;

TPanel \*Panel2;

TLabel \*Label1Panel2;

TLabel \*Label3Panel2;

TBitBtn \*BitBtn1AddPanel2;

TBitBtn \*BitBtn1SubPanel2;

TBitBtn \*BitBtn1ResetPanel2;

TPanel \*Panel3;

TLabel \*Label1Panel3;

TLabel \*Label3Panel3;

TBitBtn \*BitBtn1AddPanel3;

TBitBtn \*BitBtn1SubPanel3;

TBitBtn \*BitBtn1ResetPanel3;

TPanel \*Panel4;

TLabel \*Label1Panel4;

TLabel \*Label3Panel4;

TBitBtn \*BitBtn1AddPanel4;

TBitBtn \*BitBtn1SubPanel4;

TBitBtn \*BitBtn1ResetPanel4;

TPanel \*Panel5;

TLabel \*Label1Panel5;

TLabel \*Label3Panel5;

TBitBtn \*BitBtn1AddPanel5;

TBitBtn \*BitBtn1SubPanel5;

TBitBtn \*BitBtn1ResetPanel5;

TPanel \*Panel6;

TLabel \*Label1Panel6;

TLabel \*Label3Panel6;

TBitBtn \*BitBtn1AddPanel6;

TBitBtn \*BitBtn1SubPanel6;

TBitBtn \*BitBtn1ResetPanel6;

TPanel \*Panel7;

TLabel \*Label1Panel7;

TLabel \*Label3Panel7;

TBitBtn \*BitBtn1AddPanel7;

TBitBtn \*BitBtn1SubPanel7;

TBitBtn \*BitBtn1ResetPanel7;

TPanel \*Panel8;

TLabel \*Label1Panel8;

TLabel \*Label3Panel8;

TBitBtn \*BitBtn1AddPanel8;

TBitBtn \*BitBtn1SubPanel8;

TBitBtn \*BitBtn1ResetPanel8;

TPanel \*Panel9;

TLabel \*Label1Panel9;

TLabel \*Label3Panel9;

TBitBtn \*BitBtn1AddPanel9;

TBitBtn \*BitBtn1SubPanel9;

TBitBtn \*BitBtn1ResetPanel9;

TPanel \*Panel10;

TLabel \*Label1Panel10;

TLabel \*Label3Panel10;

TBitBtn \*BitBtn1AddPanel10;

TBitBtn \*BitBtn1SubPanel10;

TBitBtn \*BitBtn1ResetPanel10;

TPanel \*Panel11; TLabel \*Label1;

TPanel \*Panel12; TLabel \*Label2;

TBitBtn \*BitBtnTimerStart; TBitBtn \*BitBtnTimerStop;

TBitBtn \*BitBtnTimerReset; TBitBtn \*BitBtnViewStart;

TBitBtn \*BitBtnViewStop; TBitBtn \*BitBtnViewReset;

TActionList \*ActionList1; TAction \*ActionDataSend;

void \_\_fastcall Screen1Click(TObject \*Sender);

void \_\_fastcall FormResize(TObject \*Sender);

void \_\_fastcall Exit1Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel1Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1AddPanel10Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1SubPanel10Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel2Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel3Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel4Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel5Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel6Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel7Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel8Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel9Click(TObject \*Sender);

void \_\_fastcall BitBtn1ResetPanel10Click(TObject \*Sender);

void \_\_fastcall FormCreate(TObject \*Sender);

void \_\_fastcall ClearInfo1Click(TObject \*Sender);

void \_\_fastcall ActionDataSendExecute(TObject \*Sender);

private: // User declarations

public: // User declarations

\_\_fastcall TForm1(TComponent\* Owner);

};

//--------------------------------------------------------------

extern PACKAGE TForm1 \*Form1;

//--------------------------------------------------------------

#endif

//--------------------------------------------------------------

9 Головний файл проекту клієнтського модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

//--------------------------------------------------------------

USEFORM("Unit1.cpp", Form1);

//--------------------------------------------------------------

WINAPI WinMain(HINSTANCE, HINSTANCE, LPSTR, int)

{

try

{

Application->Initialize();

Application->CreateForm(\_\_classid(TForm1), &Form1);

Application->Run();

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

catch (...)

{

try

{

throw Exception("");

}

catch (Exception &exception)

{

Application->ShowException(&exception);

}

}

return 0;

}

//--------------------------------------------------------------

10 Файл модулю головного вікна клієнтського модулю

//--------------------------------------------------------------

#include <vcl.h>

#pragma hdrstop

#include "Unit1.h"

//--------------------------------------------------------------

#pragma package(smart\_init)

#pragma resource "\*.dfm"

#define sSize 256 // розмір тексту

#define aSize 15 // розмір масиву користувачів

TForm1 \*Form1;

TMemoryStream \*MS1 = new TMemoryStream ; // створення вхідного потоку

TMemoryStream \*MS2 = new TMemoryStream ; // створення вихідного потоку

typedef struct packMsg // пакет даних

{

unsigned short type; // packet type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

// 5 -

// 6 -

char ip[sSize]; // ip-address

char name[sSize]; // name or login

char word[sSize]; // password or answer

unsigned short mode; // mode type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

unsigned short opt; // option type: 0 -

// 1 -

// 2 -

// 3 -

// 4 -

} packMsg;

AnsiString lAddr, // IP-адреса локального компютера

nlAddr; // IP-адреса віддаленого компютера

AnsiString ArrAddr[3][aSize]; // масив IP-адрес, імен та статусів підключених користувачів

AnsiString lname, // імя локального користувача

nlname; // імя користувача, що передає повідомлення

packMsg pMsg, // пакет переданий

pMsgR; // пакет прийнятий

//--------------------------------------------------------------

\_\_fastcall TForm1::TForm1(TComponent\* Owner)

: TForm(Owner)

{

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Screen1Click(TObject \*Sender)

{

if (Form1->Tag == 1)

{

Form1->Tag = 0;

Form1->BorderStyle = bsSizeable;

Form1->WindowState = wsNormal;

}

else

{

Form1->Tag = 1;

Form1->BorderStyle = bsNone;

Form1->WindowState = wsMaximized;

}

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::Exit1Click(TObject \*Sender)

{

Form1->Close();

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::FormCreate(TObject \*Sender)

{

AnsiString vAsProgDir;

vAsProgDir=ExtractFilePath(Application->ExeName);

}

//--------------------------------------------------------------

void \_\_fastcall TForm1::ActionDataSendExecute(TObject \*Sender)

{

if ((GetSystemMetrics(SM\_NETWORK) & 0x01)) // чи є взагалі мережа

{

if (IdUDPServer1->Active) // якщо є звязок

{

IdUDPServer1->DefaultPort=7777;

IdUDPServer1->BroadcastEnabled=true;

IdUDPClient1->Port=7777;

IdUDPClient1->Host="127.0.0.1";

IdUDPClient1->BroadcastEnabled=true;

// формування пакету з даними

pMsg.type = 0;

// pMsg.ip = "0";

// pMsg.name = "0";

// pMsg.word = "0";

pMsg.mode = 0;

pMsg.opt = 0;

IdUDPClient1->SendBuffer(&pMsg, sizeof(pMsg));

}

}

}

//--------------------------------------------------------------

11 Заголовковий файл головного вікна клієнтського модулю

//--------------------------------------------------------------

#ifndef Unit1H

#define Unit1H

//--------------------------------------------------------------

#include <Classes.hpp>

#include <Controls.hpp>

#include <StdCtrls.hpp>

#include <Forms.hpp>

#include <ComCtrls.hpp>

#include <Menus.hpp>

#include <ExtCtrls.hpp>

#include <Buttons.hpp>

#include <Dialogs.hpp>

#include <ExtDlgs.hpp>

#include <Graphics.hpp>

#include <MPlayer.hpp>

#include <ToolWin.hpp>

#include <ImgList.hpp>

#include <IdBaseComponent.hpp>

#include <IdComponent.hpp>

#include <IdTCPServer.hpp>

#include <IdTCPClient.hpp>

#include <IdTCPConnection.hpp>

#include <IdUDPBase.hpp>

#include <IdUDPClient.hpp>

#include <IdUDPServer.hpp>

#include <ActnList.hpp>

//--------------------------------------------------------------

class TForm1 : public TForm

{

\_\_published: // IDE-managed Components

TMainMenu \*MainMenu1;

TMenuItem \*File1;

TMenuItem \*Mode1;

TMenuItem \*Screen1;

TMenuItem \*Exit1;

TMenuItem \*N2;

TMenuItem \*Server1;

TIdUDPClient \*IdUDPClient1;

TIdUDPServer \*IdUDPServer1;

TPageControl \*PageControl1;

TTabSheet \*TabSheet1;

TPanel \*Panel11;

TLabel \*Label1;

TBitBtn \*BitBtnTimerStart;

TEdit \*Edit1;

TActionList \*ActionList1;

TAction \*ActionDataSend;

void \_\_fastcall Screen1Click(TObject \*Sender);

void \_\_fastcall Exit1Click(TObject \*Sender);

void \_\_fastcall FormCreate(TObject \*Sender);

void \_\_fastcall ActionDataSendExecute(TObject \*Sender);

private: // User declarations

public: // User declarations

\_\_fastcall TForm1(TComponent\* Owner);

};

//--------------------------------------------------------------

extern PACKAGE TForm1 \*Form1;

//--------------------------------------------------------------

#endif

//--------------------------------------------------------------