**Unit1.cpp:**

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

#include <vcl.h>

#pragma hdrstop

#include <IniFiles.hpp>

#include "Unit1.h"

#include "Unit2.h"

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

#pragma package(smart\_init)

#pragma resource "\*.dfm"

TForm1 \*Form1;

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

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

: TForm(Owner)

{

}

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

int mode; //1=terms;2=help

AnsiString Dir\_for\_file;

String rates[5];

int answer;

int current\_rate;

int current\_q;

int num\_of\_rates;

bool start;

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

void start\_form\_ini(TForm1 \*f)//start form

{

f->Caption="Начальное окно";

f->Width=400;

f->Height=200;

//начать определение

f->Button1->Visible=1;

f->Button1->Width=300;

f->Button1->Height=30;

//термины

f->Button3->Visible=1;

f->Button3->Width=300;

f->Button3->Height=30;

f->Button3->Font->Size=12;

f->Button3->Caption="Словарь";

//справка

f->Button4->Visible=1;

f->Button4->Width=300;

f->Button4->Height=30;

f->Button4->Font->Size=12;

f->Button4->Caption="Справка";

f->Button1->Left=(f->Width-f->Button1->Width)/2;

f->Button1->Top=3\*(f->Height-f->Button1->Height)/4;

f->Button3->Left=(f->Width-f->Button1->Width)/2;

f->Button3->Top=(f->Height-f->Button3->Height)/8;

f->Button4->Left=(f->Width-f->Button1->Width)/2;

f->Button4->Top=3\*(f->Height-f->Button3->Height)/8;

f->Memo1->Visible=0;

f->Panel1->Visible=0;

f->Panel2->Visible=0;

f->Button2->Visible=0;

f->Button5->Visible=0;

}

void q\_form\_ini(TForm1 \*f)//form for questions

{

f->Width=700;

f->Height=400;

//кнопки ДА и НЕТ

f->Panel1->Width=f->Width/4;

f->Panel1->Height=f->Height/10;

f->Panel2->Width=f->Width/4;

f->Panel2->Height=f->Height/10;

//кнопка ДАЛЕЕ

f->Button2->Height=f->Panel2->Height;

f->Button2->Width=f->Width/8;

//кнопка СНАЧАЛА

f->Button5->Height=f->Panel2->Height;

f->Button5->Width=f->Width/8;

//кнопка СЛОВАРЬ

f->Button3->Height=f->Panel2->Height;

f->Button3->Width=f->Width/8;

f->Button3->Font->Size=8;

//кнопка СПРАВКА

f->Button4->Height=f->Panel2->Height;

f->Button4->Width=f->Width/8;

f->Button4->Font->Size=8;

//окно для вопросов

f->Memo1->Width=f->Width-f->Button2->Width-30;

f->Memo1->Height=0.75\*f->Height;

f->Memo1->Font->Size=16;

f->Memo1->Left=0;

f->Memo1->Top=0;

f->Panel1->Left=f->Width/7;

f->Panel1->Top=0.75\*f->Height+10;

f->Panel2->Left=3\*f->Width/8;

f->Panel2->Top=0.75\*f->Height+10;

f->Button3->Top=0;

f->Button3->Left=f->Memo1->Left+f->Memo1->Width;

f->Button4->Top=f->Button3->Top+f->Button3->Height+8;

f->Button4->Left=f->Memo1->Left+f->Memo1->Width;

f->Button2->Top=0.75\*f->Height+10;

f->Button2->Left=f->Button3->Left;

f->Button5->Top=f->Button4->Top+f->Button4->Height+50;

f->Button5->Left=f->Button3->Left;

f->Button1->Visible=0;

f->Memo1->Visible=1;

f->Panel1->Caption="ДА";

f->Panel2->Caption="НЕТ";

f->Button3->Caption="Словарь";

f->Button4->Caption="Справка";

f->Button5->Caption="Сначала";

f->Caption="Определение возрастного рейтинга";

f->Panel1->Visible=1;

f->Panel2->Visible=1;

f->Button2->Visible=1;

f->Button5->Visible=1;

}

void init\_rates()

{

num\_of\_rates=5;

current\_rate=0;

current\_q=1;

rates[0]="18+";

rates[1]="16+";

rates[2]="12+";

rates[3]="6+";

rates[4]="0+";

}

void Show\_rate(TForm1 \*f)

{

start\_form\_ini(f);

f->Button1->Caption="Возрастной рейтинг: "+rates[current\_rate];

}

String read\_from\_file(String rate,int q\_num)

{

String q=""; //return text of the question

AnsiString FilePath=Dir\_for\_file;

TIniFile \* SettingIniFile;

SettingIniFile = new TIniFile(FilePath+"\\"+"questions.txt");

try{

q=SettingIniFile->ReadString(rate,"Q"+IntToStr(q\_num),"");

}

catch (EFOpenError&)

{

//file not exist

Application->MessageBox("Не найден файл данных.","Ошибка",MB\_OK);

}

return q;

}

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

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

{

start=1;

mode=0;

Dir\_for\_file=GetCurrentDir();

start\_form\_ini(Form1);

start=0;

}

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

void \_\_fastcall TForm1::Button1Click(TObject \*Sender)

{

start=1;

q\_form\_ini(Form1);

answer=-1;

//start test

init\_rates();// array of rates

String q=read\_from\_file(rates[current\_rate],current\_q);

Memo1->Text=q;

start=0;

}

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

void \_\_fastcall TForm1::Panel1Click(TObject \*Sender)

{

//effect of click

Panel1->BevelInner=bvLowered;

Panel2->BevelInner=bvNone;

answer=1;//yes

}

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

void \_\_fastcall TForm1::Panel2Click(TObject \*Sender)

{

//effect of click

Panel2->BevelInner=bvLowered;

Panel1->BevelInner=bvNone;

answer=0;//no

}

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

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

{

start=1;

//îòâåò íå âûáðàí

Panel1->BevelInner=bvNone;

Panel2->BevelInner=bvNone;

if (answer==-1)

{

Application->MessageBox("Выберите вариант ответа","Ошибка",MB\_OK);

return;

}

if (answer==1)

{

Show\_rate(Form1);

return;

}

if (answer==0)

{

answer=-1;

current\_q++;

String q=read\_from\_file(rates[current\_rate],current\_q);

if (q!="")//åñëè åñòü åù¸ âîïðîñû â ýòîì âîçðàñòå

Memo1->Text=q; //âûâîä âîïðîñà

else

{

if (current\_rate!=num\_of\_rates-1)

{

current\_rate++;//â ñëåäóþùóþ âîçðàñò. ãðóïïó

current\_q=1; //ñ ïåðâîãî âîïðîñà

String q=read\_from\_file(rates[current\_rate],current\_q);

//äîøëè äî 0+

if (current\_rate==4)

Show\_rate(Form1);

else

Memo1->Text=q;

}

else

Show\_rate(Form1);

}

}

start=0;

}

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

void \_\_fastcall TForm1::Panel1DblClick(TObject \*Sender)

{

Button2->OnClick(this);

}

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

void \_\_fastcall TForm1::Panel2DblClick(TObject \*Sender)

{

Button2->OnClick(this);

}

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

void \_\_fastcall TForm1::FormCanResize(TObject \*Sender, int &NewWidth,

int &NewHeight, bool &Resize)

{

if (start!=1)

Resize=0;

}

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

void \_\_fastcall TForm1::Button3Click(TObject \*Sender)

{

//terms

mode=1;

Form2->OnCreate(Form2);

}

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

void \_\_fastcall TForm1::Button4Click(TObject \*Sender)

{

//help

mode=2;

Form2->OnCreate(Form2);

}

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

void \_\_fastcall TForm1::Button5Click(TObject \*Sender)

{

Form1->Button1->OnClick(this);

}

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

**Unit2.cpp :**

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

#include <vcl.h>

#pragma hdrstop

#include <IniFiles.hpp>

#include "Unit2.h"

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

#pragma package(smart\_init)

#pragma resource "\*.dfm"

TForm2 \*Form2;

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

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

: TForm(Owner)

{

}

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

extern int mode; //1=terms;2=help

extern AnsiString Dir\_for\_file;

int start\_f2;

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

void init\_form(TForm2 \*f)

{

if (mode==1 || mode==2)

{

f->Width=600;

f->Height=550;

f->Left=Screen->Width-f->Width;

f->Top=0;

f->ListBox1->Left=0;

f->ListBox1->Height=0;

f->ListBox1->Width=f->Width-28;

f->ListBox1->Height=f->Height-18;

f->VertScrollBar->Visible=0;

f->HorzScrollBar->Visible=0;

f->Visible=1;

}

if (mode==1)

f->Caption="Словарь";

if (mode==2)

f->Caption="Справка";

}

TStringList\* read(String filename)

{

TStringList \*list=new TStringList; //return text from file

AnsiString FilePath=Dir\_for\_file;

try{

list->LoadFromFile(FilePath+"\\"+filename+".txt");

}

catch (EFOpenError&)

{

list->Add("Data not found.");

}

return list;

}

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

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

{

ListBox1->Font->Size=12;

start\_f2=1;

init\_form(Form2);

AnsiString text="first";

ListBox1->Clear();

if (mode==1)

{

ListBox1->Items=read("terms");

}

if (mode==2)

{

ListBox1->Items=read("help");

}

start\_f2=0;

}

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

void \_\_fastcall TForm2::FormCanResize(TObject \*Sender, int &NewWidth,

int &NewHeight, bool &Resize)

{

if (start\_f2==0)

Resize=0;

}

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

в файл README :

В папке с файлами приложения следует разместить три файла данных:

* help.txt – справка пользователя;
* questions.txt – список вопросов;
* terms.txt – основные, используемые определения.