


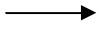



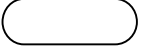


ملحق (أ)
يوضح شرح الرموز المستخدمة في
نمذجة وتحليل النظام

			
يوضح القائم بالمهمة	لتوضيح المهمة	لتوصيل المهام المعتمدة علي بعضها	للتوصيل

شرح الرموز المستخدمة في مخطط العمليات

			
لتوضيح النهاية	لتوضيح البداية	لإتخاذ القرار	لتوضيح النشاط

شرح الرموز المستخدمة في مخطط النشاطات

ملحق (ب)
نموذج لشجرة بناء النظام بلغة
دلفي 7

كود التحقق من هوية المستخدمين عبر
المفتاح

```
unit Unit1;  
interface  
uses  
    Windows, Messages, SysUtils,  
    Variants, Classes, Graphics,  
    Controls, Forms,  
    Dialogs, jpeg, ExtCtrls,  
    StdCtrls, Buttons, WinSkinData,  
    ComCtrls,  
    dwinlock, DB, ADODB, DCPcrypt,  
    Rijndael;  
type  
    Tfrm_lock = class(TForm)  
        Image1: TImage;  
        SkinData1: TSkinData;  
        Shape1: TShape;  
        Label1: TLabel;  
        Label2: TLabel;  
        bt_chk: TBitBtn;  
        lab1: TLabel;  
        t1: TTimer;  
        lab2: TLabel;  
        dWinLock1: TdWinLock;
```

```

    t2: TTimer;
    driv_inf: TADOTable;
    DCP_rijndael1: TDCP_rijndael;
    cipher_txt: TEdit;
    usr_chk: TEdit;
    t_usr_key: TADOTable;
    cont_txt: TEdit;
    t_usr_keywindows_user:
TStringField;
    t_usr_keykey_code:
TStringField;
    t_usr_keyusr_status:
TStringField;
    driv_infdrive_id: TBCDField;
    driv_infhard_volum:
TStringField;
    driv_infcomputer_name:
TStringField;
    driv_infdrive_letter:
TStringField;
    procedure t1Timer(Sender:
TObject);
    procedure bt_chkClick(Sender:
TObject);
    procedure FormShow(Sender:
TObject);
    procedure t2Timer(Sender:
TObject);
    procedure
cipher_txtChange(Sender: TObject);

```

```

        procedure
cont_txtChange(Sender: TObject);
        procedure
usr_chkChange(Sender: TObject);
        private
            { Private declarations }
        public
            { Public declarations }
        end;
var
    frm_lock: Tfrm_lock;
i,error_chk:integer;
implementation

uses    ShellApi, Base64,Unit4,
Unit5, pcMain, Unit8;

{$R *.dfm}

procedure
Tfrm_lock.t1Timer(Sender:
TObject);
begin
i:=i+10;
Lab2.Caption:=Lab2.Caption+'.';
if Lab2.Caption='....' then
Lab2.Caption:='';
if i=100 then
begin
i:=0;

```

```

lab1.Visible:=false;
lab2.Visible:=false;
T1.Enabled:=false;
t2.Enabled:=True;
end;
end;
procedure
Tfrm_lock.bt_chkClick(Sender:
TObject);
begin
bt_chk.Enabled:=false;
lab1.Visible:=true;
lab2.Visible:=true;
t1.Enabled:=true;
end;
procedure
Tfrm_lock.FormShow(Sender:
TObject);
begin
i:=0;
error_chk:=0;
cont_txt.Text:=IntToStr(error_chk);
frm_user_chk.bt1.Click;
usr_chk.Text:=frm_user_chk.usr_w_t
xt.text;
end;

procedure
Tfrm_lock.t2Timer(Sender:
TObject);

```

```

var
drive_letter,key,hdd_vlom,s:string
;
    Cipher: TDCP_blockcipher;
begin
t2.Enabled:=false;
driv_inf.Open;
drive_letter:=driv_infdrive_letter
.AsString;
hdd_vlom:=driv_infhard_volum.AsStr
ing;
driv_inf.Close;
frm_detect.ed_lett.Text:=drive_let
ter;
frm_detect.bt1.Click;
key:=frm_detect.ed.Text;
if key='' then
begin
//t2.Enabled:=false;
if cont_txt.Text<>'3' then
begin
MessageDlg('الرجاء التأكد من تركيب
المفتاح وإعدادات
السواقة',mtError,[mbOK],0);
eror_chk:=eror_chk+1;
cont_txt.Text:=IntToStr(eror_chk);
bt_chk.Enabled:=true;
end else
bt_chk.Enabled:=false;
end else

```

```

begin
    Cipher:=
TDCP_blockcipher(DCP_rijndael1);
    Cipher.InitStr(hdd_vlom);
        s:=key;

Cipher.EncryptCFB(s[1],s[1],Length
(s));
    cipher_txt.Text:=
B64Encode(s);
end;
end;
procedure
Tfrm_lock.cipher_txtChange(Sender:
TObject);
begin
if cipher_txt.Text<>' 'then
begin
t_usr_key.Open;
if not
t_usr_key.Locate('key_code',cipher
_txt.Text,[ ])then
begin
t_usr_key.Close;
t1.Enabled:=false;
t2.Enabled:=false;
error_chk:=error_chk+1;
i:=0;
cont_txt.Text:=IntToStr(error_chk);
bt_chk.Enabled:=true;

```

```

t_usr_key.Close;
driv_inf.Close;
MessageDlg(' عفوا هذا المفتاح غير
مسجل بالنظام', mtError, [mbOK], 0);
end else
if usr_chk.Text <>
t_usr_keywindows_user.AsString
then
begin
t_usr_key.Close;
t1.Enabled:=false;
t2.Enabled:=false;
eror_chk:=eror_chk+1;
i:=0;
cont_txt.Text:=IntToStr(eror_chk);
bt_chk.Enabled:=true;
t_usr_key.Close;
driv_inf.Close;
MessageDlg(' عفوا هذا المفتاح خاص
بمستخدم آخر', mtError, [mbOK], 0);
end else
begin
dWinLock1.noAccessibilityShortcuts
:=False;
dWinLock1.noAltEsc:=False;
dWinLock1.noAltF4:=False;
dWinLock1.noAltReturn:=False;
dWinLock1.noAltTab:=False;
dWinLock1.noAppkey:=False;
dWinLock1.noCtrlAltDel:=False;

```



```

dWinLock1.noCtrlEsc:=False;
dWinLock1.noDesktop:=False;
dWinLock1.noRButton:=False;
dWinLock1.noStartbutton:=False;
dWinLock1.noTaskbar:=False;
dWinLock1.noTaskLinks:=False;
dWinLock1.noTaskTray:=False;
dWinLock1.noWinkeys:=False;
dWinLock1.ReplaceStartmenu:=False;
t_usr_key.Close;
t1.Enabled:=false;
t2.Enabled:=false;
error_chk:=error_chk+1;
i:=0;
cont_txt.Text:=IntToStr(error_chk);
bt_chk.Enabled:=true;
t_usr_key.Close;
driv_inf.Close;
frm_main.Timer1.Enabled:=true;
frm_lock.Hide;
frm_main.Show;
end;
end else
end;
procedure
Tfrm_lock.cont_txtChange(Sender:
TObject);
begin
if cont_txt.Text='3' then
begin

```

```

t1.Enabled:=false;
t2.Enabled:=false;
bt_chk.Enabled:=false;
frm_shut.ed_cmd.Text:='go';
end else
end;

```

كود ضبط خدمة الرسائل القصيرة

```

unit Unit7;
interface
uses
  Windows, Messages, SysUtils,
  Variants, Classes, Graphics,
  Controls, Forms,
  Dialogs, jpeg, ExtCtrls,
  StdCtrls, Buttons, DBCtrls, DB,
  ADODB;
type
  Tfrm_sms = class(TForm)
    Image1: TImage;
    Label1: TLabel;
    d_cmp: TDBLookupComboBox;
    Label2: TLabel;
    ed1: TEdit;
    Label3: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    cmp1: TComboBox;
    Label6: TLabel;
    cmp2: TComboBox;
    bt1: TBitBtn;

```

```

        bt2: TBitBtn;
        bt3: TBitBtn;
        Image2: TImage;
        driver_info: TADOTable;
        driver_infocomputer_name:
TStringField;
        driver_infodrive_letter:
TStringField;
        driver_infowindows_user:
TStringField;
        driver_infousr_level:
TStringField;
        driver_infohard_volum:
TStringField;
        d_drive: TDataSource;
        t_sms: TADOTable;
        t_smswindows_user:
TStringField;
        t_smsusr_mob: TStringField;
        t_smsgsm_port: TStringField;
        t_smsgsm_statuse:
TStringField;
        t_smsrec_id: TBCDField;
        d_sms: TDataSource;
        procedure bt1Click(Sender:
TObject);
        procedure bt2Click(Sender:
TObject);
        procedure FormShow(Sender:
TObject);

```

```

        procedure bt3Click(Sender:
TObject);
    private
        { Private declarations }
    public
        { Public declarations }
    end;
var
    frm_sms: Tfrm_sms;
implementation
{$R *.dfm}
procedure
Tfrm_sms.bt1Click(Sender:
TObject);
begin
    bt1.Enabled:=false;
    bt2.Enabled:=true;
    bt3.Caption:='الغاء';
    d_cmp.Enabled:=true;
    driver_info.Open;
    ed1.Enabled:=true;
    cmp1.Enabled:=true;
    cmp2.Enabled:=true;
end;
procedure
Tfrm_sms.bt2Click(Sender:
TObject);
begin
    t_sms.Edit;
    t_smsusr_mob.AsString:=ed1.Text;

```

```

t_smsgsm_port.AsString:=cmp1.Text;
t_smsgsm_statuse.AsString:=cmp2.Te
xt;
t_sms.Post;
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Caption:='خروج';
cmp1.Enabled:=false;
cmp2.Enabled:=false;
d_cmp.Enabled:=false;
ed1.Enabled:=false;
MessageDlg('تم حفظ
الإعدادات',mtInformation,[mbOK],0);
end;
procedure
Tfrm_sms.FormShow(Sender:
TObject);
begin
t_sms.Open;
t_sms.Locate('rec_id','1',[]);
driver_info.Open;
ed1.Text:=t_smsusr_mob.AsString;
cmp1.Text:=t_smsgsm_port.AsString;
cmp2.Text:=t_smsgsm_statuse.AsStri
ng;
end;
procedure
Tfrm_sms.bt3Click(Sender:
TObject);
begin

```

```

if bt3.Caption='الغاء' then
begin
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Caption:='خروج';
cmp1.Enabled:=false;
cmp2.Enabled:=false;
d_cmp.Enabled:=false;
ed1.Enabled:=false;
end else
close;
end;
end.

```

كود إضافة حسابات نظام التشغيل

```

unit Unit6;
interface
uses
  Windows, Messages, SysUtils,
  Variants, Classes, Graphics,
  Controls, Forms,
  Dialogs, jpeg, ExtCtrls,
  StdCtrls, DBCtrls, Mask, Buttons,
  DB, ADODB;
type
  Tfrm_win_users = class(TForm)
    Image1: TImage;
    Label1: TLabel;
    d_cmp: TDBLookupComboBox;
    Label2: TLabel;

```

```

Label3: TLabel;
ed1: TEdit;
bt1: TBitBtn;
bt2: TBitBtn;
bt3: TBitBtn;
bt4: TBitBtn;
t_users: TADOTable;
q1: TADOQuery;
q1drive_id: TBCDField;
q1hard_volum: TStringField;
q1computer_name: TStringField;
d_q: TDataSource;
d_t: TDataSource;
cmp1: TComboBox;
t_userscomputer_name:
TStringField;
t_userswindows_user:
TStringField;
t_usersusr_level:
TStringField;
BitBtn1: TBitBtn;
procedure bt1Click(Sender:
TObject);
procedure bt2Click(Sender:
TObject);
procedure bt3Click(Sender:
TObject);
procedure bt4Click(Sender:
TObject);

```

```

        procedure BitBtn1Click(Sender:
TObject);
    private
        { Private declarations }
    public
        { Public declarations }
    end;

```

```

var
    frm_win_users: Tfrm_win_users;
    flag:string;
implementation
uses Unit3;
{$R *.dfm}
procedure
Tfrm_win_users.bt1Click(Sender:
TObject);
begin
    bt1.Enabled:=false;
    bt2.Enabled:=true;
    bt3.Enabled:=false;
    bt4.Caption:='إلغاء';
    q1.Open;
    t_users.Open;
    t_users.Insert;
    ed1.Enabled:=true;
    d_cmp.Enabled:=true;
    cmp1.Enabled:=true;
    d_cmp.SetFocus;
    flag:='INS';

```



```

end;
procedure
Tfrm_win_users.bt2Click(Sender:
TObject);
begin
if flag='INS' then
begin
if(ed1.Text=' ')or(cmp1.Text=' ')or(
d_cmp.Text=' ')then
MessageDlg(' لا يمكن ترك حقل فارغ',mtInformation,[mbOK],0)else
begin
t_userswindows_user.AsString:=ed1.
Text;
t_usersusr_level.AsString:=cmp1.Te
xt;
t_users.Post;
t_users.Close;
ed1.Clear;
cmp1.Text:=' ';
q1.Close;
ed1.Enabled:=false;
cmp1.Enabled:=false;
d_cmp.Enabled:=false;
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Enabled:=true;
bt4.Caption:=' خروج';

```

```

MessageDlg(' تم تسجيل معلومات المستخدم
المستخدم
' ,mtInformation,[mbOK],0);
end;
end else
if flag='ED' then
begin
if(ed1.Text='' )or(cmp1.Text='' )or(
d_cmp.Text='' ) then
MessageDlg(' لا يمكن ترك حقل فارغ
' ,mtInformation,[mbOK],0) else
begin
t_users.Edit;
t_userswindows_user.AsString:=ed1.
Text;
t_usersusr_level.AsString:=cmp1.Te
xt;
t_users.Post;
t_users.Close;
ed1.Clear;
cmp1.Text:='';
q1.Close;
ed1.Enabled:=false;
cmp1.Enabled:=false;
d_cmp.Enabled:=false;
bt3.Caption:='بحث';
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Enabled:=true;
bt4.Caption:='خروج';

```

```

MessageDlg(' تم تعديل معلومات المستخدم
المستخدم
'بنجاح', mtInformation, [mbOK], 0);
end;
end;
end;
procedure
Tfrm_win_users.bt3Click(Sender:
TObject);
var
    NewString: string;
    ClickedOK: Boolean;
begin
    if bt3.Caption='بحث' then
    begin
        NewString := '';
        ClickedOK := InputQuery(' أدخل
إسم المستخدم المسجل في ويندوز', 'إسم
المستخدم', NewString);
        if ClickedOK then
        begin
            if NewString='' then
            MessageDlg(' أدخل إسم
المستخدم', mtError, [mbOK], 0) else
            begin
                t_users.Open;
                if not
t_users.Locate('windows_user', NewS
tring, [loPartialKey]) then
                begin

```

```

t_users.Close;
  MessageDlg('إسم المستخدم غير مسجل',mtError,[mbOK],0);
  end else
  begin
    q1.Open;
d_cmp.Enabled:=true;
ed1.Enabled:=true;
cmp1.Enabled:=true;
ed1.Text:=t_userswindows_user.AsString;
cmp1.Text:=t_usersusr_level.AsString;
bt1.Enabled:=false;
bt2.Enabled:=true;
bt3.Caption:='حذف';
bt3.Enabled:=true;
bt4.Enabled:=true;
bt4.Caption:='إلغاء';
flag:='ED';
  end;
  end;

end;
end else
if bt3.Caption='حذف' then
begin
if MessageDlg('هل تريد حذف السجل بالفعل',mtConfirmation,[mbYes,mbNo],0)=mryes then

```

```

begin
t_users.Delete;
t_users.Close;
ed1.Clear;
cmp1.Text:='';
q1.Close;
ed1.Enabled:=false;
cmp1.Enabled:=false;
d_cmp.Enabled:=false;
bt3.Caption:='بحث';
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Enabled:=true;
bt4.Caption:='خروج';
end else
end;
end;
procedure
Tfrm_win_users.bt4Click(Sender:
TObject);
begin
if bt4.Caption='إلغاء' then
begin
t_users.Close;
ed1.Clear;
cmp1.Text:='';
q1.Close;
ed1.Enabled:=false;
cmp1.Enabled:=false;
d_cmp.Enabled:=false;

```

```

bt3.Caption:='بحث' ;
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Enabled:=true;
bt4.Caption:='اخراج' ;
end else
close;
end;
procedure
Tfrm_win_users.BitBtn1Click(Sender
: TObject);
begin
frm_win_users.Hide;
frm_keys.ShowModal;
end;

end.

```

كود إضافة شفرات المفاتيح للنظام

```

unit Unit3;
interface
uses
  Windows, Messages, SysUtils,
  Variants, Classes, Graphics,
  Controls, Forms,
  Dialogs, jpeg, ExtCtrls,
  StdCtrls, Buttons, DB, ADODB,
  DCPcrypt, Rijndael,
  DBCtrls;
type

```

```

Tfrm_keys = class(TForm)
    Image1: TImage;
    Label2: TLabel;
    Label3: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    ed3: TEdit;
    Label6: TLabel;
    bt_enc: TBitBtn;
    driver_info: TADOTable;
    DCP_rijndael1: TDCP_rijndael;
    bt1: TBitBtn;
    bt2: TBitBtn;
    bt3: TBitBtn;
    t_keys: TADOTable;
    Label7: TLabel;
    cmp1: TComboBox;
    bt4: TBitBtn;
    d_cmp: TDBLookupComboBox;
    d_drive: TDataSource;
    d_key: TDataSource;
    t_keyswindows_user:
TStringField;
    t_keyskkey_code: TStringField;
    t_keysusr_status:
TStringField;
    driver_infocomputer_name:
TStringField;
    driver_infodrive_letter:
TStringField;

```

```

        driver_infowindows_user:
TStringField;
        driver_infousr_level:
TStringField;
        driver_infohard_volum:
TStringField;
        procedure bt_encClick(Sender:
TObject);
        procedure bt1Click(Sender:
TObject);
        procedure bt2Click(Sender:
TObject);
        procedure bt4Click(Sender:
TObject);
        procedure bt3Click(Sender:
TObject);
        private
            { Private declarations }
        public
            { Public declarations }
        end;
var
    frm_keys: Tfrm_keys;
    comp_name:string;
implementation
uses
    ShellApi, Base64, Unit4, Unit10;
{$R *.dfm}

```



```

procedure
Tfrm_keys.bt_encClick(Sender:
TObject);
var
key,s:string;
drive_letter,hdd_vlom:string;
  Cipher: TDCP_blockcipher;
begin
drive_letter:=driver_infodrive_let
ter.AsString;
hdd_vlom:=driver_infohard_volum.As
String;
comp_name:=driver_infocomputer_nam
e.AsString;
frm_detect.ed_lett.Text:=drive_let
ter;
frm_detect.bt1.Click;
key:=frm_detect.ed.Text;
if key='' then
MessageDlg('الرجاء التأكد من تركيب
المفتاح وإعدادات
السواقة',mtError,[mbOK],0) else
begin
  Cipher:=
TDCP_blockcipher(DCP_rijndael1);
  Cipher.InitStr(hdd_vlom);
  s:=key;

Cipher.EncryptCFB(s[1],s[1],Length
(s));

```

```

        ed3.Text:= B64Encode(s);
end;
end;
procedure
Tfrm_keys.bt1Click(Sender:
TObject);
begin
bt1.Enabled:=false;
bt2.Enabled:=true;
bt3.Enabled:=false;
bt4.Caption:='الغاء';
driver_info.Open;
t_keys.Open;
t_keys.Insert;
cmp1.Enabled:=true;
bt_enc.Enabled:=true;
cmp1.Enabled:=true;
d_cmp.Enabled:=true;
cmp1.SetFocus;
end;
procedure
Tfrm_keys.bt2Click(Sender:
TObject);
begin
if(d_cmp.Text='')or(cmp1.Text='')o
r(ed3.Text='')then
MessageDlg('لا يمكن ترك حقل فارغ',mtInformation,[mbOK],0)else
begin

```

```

t_keyusr_status.AsString:=cmp1.Te
xt;
t_keykey_code.AsString:=ed3.Text;
t_keys.Post;
t_keys.Close;
cmp1.Text:='';
ed3.Clear;
bt_enc.Enabled:=false;
cmp1.Enabled:=false;
bt1.Enabled:=true;
bt2.Enabled:=false;
bt3.Enabled:=true;
bt4.Caption:='اخراج';
MessageDlg('تم تسجيل المستخدم
والمفتاح
بنجاح',mtInformation,[mbOK],0);
end;
end;
procedure
Tfrm_keys.bt4Click(Sender:
TObject);
begin
close;
end;
procedure
Tfrm_keys.bt3Click(Sender:
TObject);
begin
frm_key_search.ShowModal;
end;

```

end.