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Prasetyo,D.P., 2004, " Aplikasi Database Client/Server Menggunakan Delphi dan MySQL", PT Elex Media Komputindo, Jakarta

Fathansyah, 2002, "Basis Data", Informatika Bandung.

UNIT PELAKSANA PERPUSTAKAAN UNIKOM

```
unit formLogin;

interface

uses
	Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
	Dialogs, StdCtrls, ExtCtrls;

type
	TfrmLogin = class(TForm)
		Panel1: TPanel;
		Image1: TImage;
		Panel2: TPanel;
		Label2: TLabel;
		Label3: TLabel;
		edUserName: TEdit;
		edPassword: TEdit;
		Button1: TButton;
		Image3: TImage;
		Button2: TButton;
		Button3: TButton;
		procedure Button1Click(Sender: TObject);
		procedure Button2Click(Sender: TObject);
		procedure Button3Click(Sender: TObject);
		procedure FormShow(Sender: TObject);
		procedure FormClose(Sender: TObject; var Action: TCloseAction);
	private
		{ Private declarations }
		procedure Redirect(dest:string);
	public
		{ Public declarations }
	end;

var
	frmLogin: TfrmLogin;

implementation

uses database, SqlExpr, Math, formRequestDaftar, DB, formAdmin, formInvest,
	DateUtils, formRAB, formREN, formPengadaan, formPemasaran, formMain;

{$R *.dfm}

procedure TfrmLogin.Redirect(dest:string);
begin
	frmLogin.Hide;
	if Uppercase(dest)='ALL' then
		frmAdmin.Showit(self,edUserName.Text)
	else
	if Uppercase(dest)='INV' then
		frmInvest.Showit(self,edUserName.Text)
	else
	if Uppercase(dest)='REN' then
		frmREN.Showit(self,edUserName.text)
	else
	if Uppercase(dest)='ADA' then
		frmPengadaan.Showit(self,edUserName.text)
	else
```

```
        if Uppercase(dest)='SAR' then
                frmPemasaran.Showit(self,edUserName.text)
        else
        if Uppercase(dest)='DAT' then
                frmMain.Showit(self,edUserName.text)
end;

procedure TfrmLogin.Button1Click(Sender: TObject);
var
        year,month,day,hh,mm,ss,ms:word;
        akses,val: string;
begin
        with modulData.SQLState do
        begin
                with SQL do
                begin
                        Clear;
                        Add('SELECT * FROM user WHERE
username='+QuotedStr(edusername.Text)+
                                        'and password='+QuotedStr(edPassword.Text));
                end;
                open;
                if RecordCount>0 then
                begin
                        if FieldByName('blok').AsInteger=1 then
                                ShowMessage('Maaf, account anda diblok. Silakan
hubungi administrator')
                        else
                        if FieldByName('request').AsInteger=1 then
                                ShowMessage('Maaf, account anda belum disetujui.
Silakan hubungi administrator')
                        else
                        begin
                                akses:=FieldByName('akses').AsString;
                                with Moduldata.SQLState2 do
                                begin
                                        SQL.Clear;
                                        SQL.Add('SELECT * FROM login WHERE
(username=' +

        QuotedStr(ModulData.SQLState.FieldByName('username').AsString) +
                                                        ') ORDER BY tgl DESC');
                                        open;
                                end;
                                if
(YearOf(modulData.SQLState2.FieldByName('logout').AsDateTime) =
                                                1899) and
(modulData.SQLState2.RecordCount>0) then
                                begin
                                        ShowMessage('Ada orang lain yang sedang
memakai account ini!!!'#13+
                                                        'Jika anda pemilik asli account
ini, silakan hubungi administrator');
                                end else
                                begin

        DecodeDateTime(Now,year,month,day,hh,mm,ss,ms);
                                        SQL.Clear;
```

```
                                        val :=format('NOW(), "%s", 0',
[edUserName.Text]);
                                        SQL.Add('INSERT INTO login (tgl, username,
logout) VALUES ('+val+')');
                                        ExecSQL(true);
                                        if rowsAffected=0 then
                                                showMessage('Ada kesalahan di
database, mohon periksa komputer server');
                                        Redirect(akses);
                                end;
                        end;
                end else
                begin
                        MessageDlg('Maaf, username tidak terdaftar atau password
salah. Ingat,'#13 +
                                        'password bersifat case-sensitive (huruf kapital
dan huruf '#13 +
                                        'kecil dibedakan)',mtError,[mbOK],0);
                        edUserName.SetFocus;
                end;
        end;
end;

procedure TfrmLogin.Button2Click(Sender: TObject);
begin
        close;
end;

procedure TfrmLogin.Button3Click(Sender: TObject);
begin
        frmRequestDaftar.ShowModal;
end;

procedure TfrmLogin.FormShow(Sender: TObject);
begin
        edUserName.Text := '';
        edPassword.Text := '';
        edUserName.SetFocus;
end;

procedure TfrmLogin.FormClose(Sender: TObject; var Action: TCloseAction);
begin
        If MessageDlg('Apakah anda yakin untuk mengakhiri SMPT?',mtConfirmation,
                        [mbOK,mbCancel],0)=mrOK then
                Action := caFree
        else
                Action := caNone;
end;

end.
```

unit formAdmin;

```
interface

uses
        Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
```

```
        Dialogs, StdCtrls, Buttons, ExtCtrls;

type
        TfrmAdmin = class(TForm)
                Panel1: TPanel;
                Image1: TImage;
                BitBtn1: TBitBtn;
                BitBtn2: TBitBtn;
                BitBtn4: TBitBtn;
                Panel2: TPanel;
                Label1: TLabel;
                Label2: TLabel;
                Panel3: TPanel;
                Label3: TLabel;
                Panel4: TPanel;
                Label4: TLabel;
                procedure BitBtn1Click(Sender: TObject);
                procedure BitBtn2Click(Sender: TObject);
                procedure FormClose(Sender: TObject; var Action: TCloseAction);
                procedure BitBtn4Click(Sender: TObject);
                procedure FormShow(Sender: TObject);
                procedure Showit(Sender: TObject; usr: string);
        private
                { Private declarations }
                user: string;
                procedure RefreshInfo;
        public
                { Public declarations }
        end;

var
        frmAdmin: TfrmAdmin;

implementation

uses formAdminPengguna, formAdminServer, formLogin, database, SqlExpr;

{$R *.dfm}

procedure TfrmAdmin.BitBtn1Click(Sender: TObject);
begin
        frmAdminPengguna.ShowModal;
        RefreshInfo;
end;

procedure TfrmAdmin.BitBtn2Click(Sender: TObject);
begin
        frmAdminServer.ShowModal;
        RefreshInfo;
end;

procedure TfrmAdmin.FormClose(Sender: TObject; var Action: TCloseAction);
begin
        with modulData.SQLState do
        begin
                SQL.Clear;
                SQL.Add('UPDATE login SET logout=NOW() WHERE
username='+QuotedStr(user)+
```

```
                                        ' and logout='+QuotedStr('0000-00-00 00:00:00'));
                ExecSQL(true);
                if RowsAffected=0 then
                        ShowMessage('Maaf, terjadi kesalahan pada server database
(E002)');
        end;
        Action := caHide;
        frmLogin.Show;
end;

procedure TfrmAdmin.RefreshInfo;
var
        accLogin,accActive, accReq, accBlocked: integer;
begin
        With ModulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE (blok=1)');
                        Open;
                        accBlocked := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((blok=0) and
(request=1))');
                        Open;
                        accReq := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((request=0) and
(blok=0)) ORDER BY username ASC');
                        Open;
                        accActive := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM login WHERE (login.logout=0)');
                        Open;
                        accLogin := RecordCount;
                        Close;
                end;
        end;
        Label3.Caption := Format('Jumlah pengguna: %d'#13'    %d Account Aktif'#13+
                        '    %d Account Menunggu Persetujuan'#13'    %d Account
Diblok'#13 +
                        '%d Account Sedang Login (termasuk administrator)',
                        [accActive+accReq+accBlocked,accActive, accReq, accBlocked,
accLogin]);
        if modulData.SQLConnection1.Connected then
                Label4.Caption := 'Server online dan berfungsi dengan normal'
        else
                Label4.Caption := 'Server offline!!! Harap periksa komputer server';
end;

procedure TfrmAdmin.FormShow(Sender: TObject);
begin
        RefreshInfo;
end;

procedure TfrmAdmin.Showit(Sender: TObject; usr: string);
begin
```

UNIT PELAKSANA TEKNIS PERPUSTAKAAN UNIKOM

```
        user := usr;
        show;
        FormShow(Sender);
end;

procedure TfrmAdmin.BitBtn4Click(Sender: TObject);
begin
        close;
end;

end.
```

```
unit formAdminPengguna;

interface

uses
        Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
        Dialogs, StdCtrls, Buttons, Grids, ExtCtrls, ComCtrls, DateUtils;

type
        TfrmAdminPengguna = class(TForm)
                Panel1: TPanel;
                Image1: TImage;
                PageControl1: TPageControl;
                tabAktif: TTabSheet;
                tabRequest: TTabSheet;
                tabBlok: TTabSheet;
                Label1: TLabel;
                Label2: TLabel;
                Label3: TLabel;
                Label4: TLabel;
                Label5: TLabel;
                Label6: TLabel;
                Label7: TLabel;
                Label8: TLabel;
                Label9: TLabel;
                Label10: TLabel;
                StringGrid1: TStringGrid;
                edUsername1: TEdit;
                edPassword1: TEdit;
                edNamaLengkap1: TEdit;
                edDivisi1: TEdit;
                cbAkses1: TComboBox;
                edJabatan1: TEdit;
                BitBtn1: TBitBtn;
                BitBtn2: TBitBtn;
                BitBtn3: TBitBtn;
                BitBtn4: TBitBtn;
                edEmail1: TEdit;
                Label11: TLabel;
                Label12: TLabel;
                Label13: TLabel;
                Label14: TLabel;
```

```
    Label15: TLabel;
    Label16: TLabel;
    Label17: TLabel;
    Label18: TLabel;
    edUsername2: TEdit;
    edPassword2: TEdit;
    edNamaLengkap2: TEdit;
    edDivisi2: TEdit;
    cbAkses2: TComboBox;
    edJabatan2: TEdit;
    BitBtn5: TBitBtn;
    BitBtn6: TBitBtn;
    BitBtn7: TBitBtn;
    BitBtn8: TBitBtn;
    edEmail2: TEdit;
    Label19: TLabel;
    Label20: TLabel;
    StringGrid2: TStringGrid;
    Label21: TLabel;
    Label22: TLabel;
    Label23: TLabel;
    Label24: TLabel;
    Label25: TLabel;
    Label26: TLabel;
    Label27: TLabel;
    Label28: TLabel;
    edUsername3: TEdit;
    edPassword3: TEdit;
    edNamaLengkap3: TEdit;
    edDivisi3: TEdit;
    cbAkses3: TComboBox;
    edJabatan3: TEdit;
    BitBtn9: TBitBtn;
    BitBtn10: TBitBtn;
    BitBtn11: TBitBtn;
    BitBtn12: TBitBtn;
    edEmail3: TEdit;
    Label29: TLabel;
    Label30: TLabel;
    StringGrid3: TStringGrid;
    BitBtn13: TBitBtn;
    BitBtn14: TBitBtn;
    BitBtn15: TBitBtn;
    BitBtn16: TBitBtn;
    BitBtn17: TBitBtn;
    BitBtn18: TBitBtn;
    procedure BitBtn2Click(Sender: TObject);
    procedure tabAktifShow(Sender: TObject);
    procedure StringGrid1SelectCell(Sender: TObject; ACol, ARow: Integer;
          var CanSelect: Boolean);
    procedure BitBtn1Click(Sender: TObject);
    procedure BitBtn13Click(Sender: TObject);
    procedure BitBtn3Click(Sender: TObject);
    procedure FormShow(Sender: TObject);
    procedure BitBtn4Click(Sender: TObject);
    procedure BitBtn14Click(Sender: TObject);
    procedure tabRequestShow(Sender: TObject);
    procedure StringGrid2SelectCell(Sender: TObject; ACol, ARow: Integer;
```

```
                var CanSelect: Boolean);
            procedure BitBtn5Click(Sender: TObject);
            procedure BitBtn15Click(Sender: TObject);
            procedure BitBtn16Click(Sender: TObject);
            procedure tabBlokShow(Sender: TObject);
            procedure StringGrid3SelectCell(Sender: TObject; ACol, ARow: Integer;
                var CanSelect: Boolean);
            procedure BitBtn8Click(Sender: TObject);
            procedure BitBtn18Click(Sender: TObject);
            procedure BitBtn17Click(Sender: TObject);
            procedure BitBtn9Click(Sender: TObject);
            procedure BitBtn12Click(Sender: TObject);
    private
            { Private declarations }
            procedure DisableControl1;
            procedure EnableControl1;
            procedure RefreshControl1;
            function isValidateOK1: boolean;
            procedure DisableControl2;
            procedure EnableControl2;
            function isValidateOK2: boolean;
            procedure RefreshControl2;
            procedure DisableControl3;
            procedure EnableControl3;
            function isValidateOK3: boolean;
            procedure RefreshControl3;
    public
            { Public declarations }
    end;

var
    frmAdminPengguna: TfrmAdminPengguna;

implementation

uses formAdminTambahPengguna, database, SqlExpr, DB;

{$R *.dfm}
procedure TfrmAdminPengguna.DisableControl1;
begin
            edUsername1.Text := '';
            edPassword1.Text := '';
            cbAkses1.ItemIndex := -1;
            edNamaLengkap1.Text := '';
            edDivisi1.Text := '';
            edJabatan1.Text := '';
            edEmail1.Text := '';
            edUsername1.Enabled := false;
            edPassword1.Enabled := false;
            cbAkses1.Enabled := false;
            edNamaLengkap1.Enabled := false;
            edDivisi1.Enabled := false;
            edJabatan1.Enabled := false;
            edEmail1.Enabled := false;
            bitbtn13.Enabled := false;
            BitBtn1.Enabled := false;
            BitBtn4.Enabled := false;
end;
```

```
procedure TfrmAdminPengguna.EnableControl1;
begin
                edUsername1.Enabled := true;
                edPassword1.Enabled := true;
                cbAkses1.Enabled := true;
                edNamaLengkap1.Enabled := true;
                edDivisi1.Enabled := true;
                edJabatan1.Enabled := true;
                edEmail1.Enabled := true;
                bitbtn13.Enabled := true;
                BitBtn1.Enabled := true;
                BitBtn4.Enabled := true;
end;

procedure TfrmAdminPengguna.BitBtn2Click(Sender: TObject);
begin
        frmAdminTambahPengguna.ShowModal;
        tabAktifShow(self);
end;

procedure TfrmAdminPengguna.tabAktifShow(Sender: TObject);
var
        i,accActive, accReq, accBlocked: integer;
        tmp: boolean;
begin
        StringGrid1.RowCount := 2;
        StringGrid1.rows[1].clear;
        StringGrid1.FixedRows := 1;
        StringGrid1.ColCount := 5;
        with StringGrid1.Rows[0] do
        begin
                Clear;
                add('Username');
                add('Divisi');
                add('Login terakhir');
                add('IP Login terakhir');
                add('Sedang login');
        end;
        With Moduldata do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE (blok=1)');
                        Open;
                        accBlocked := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((blok=0) and
(request=1))');
                        Open;
                        accReq := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((request=0) and
(blok=0)) ORDER BY username ASC');
                        Open;
                        accActive := RecordCount;
```

```
                Label1.Caption := format ('Daftar pengguna (%d) (%d account
menunggu '+
                                'persetujuan && %d account
diblok)',[accActive,accReq,accBlocked]);
                if accActive=0 then
                        StringGrid1.RowCount := 2
                else
                        StringGrid1.RowCount :=accActive+1;
                if accActive>0 then
                begin
                        First;
                        i:=1;
                        while not Eof do
                        begin
                                with SQLState2 do
                                begin
                                        ModulData.SQLState2.SQL.Clear;

        ModulData.SQLState2.SQL.Add('SELECT * FROM login WHERE (username=' +

        QuotedStr(SQLState.FieldByName('username').AsString) +
                                                        ') ORDER BY tgl
DESC');
                                        open;
                                end;
                                with StringGrid1.Rows[i] do
                                begin
                                        Clear;

        add(SQLState.FieldByName('username').AsString);

        add(SQLState.FieldByName('divisi').AsString);
                                        if sqlstate2.recordCount>0 then
                                        begin

        add(SQLState2.FieldByName('tgl').AsString);

        add(SQLState2.FieldByName('ip').AsString);
                                                if
YearOf(SQLState2.FieldByName('logout').AsDateTime)=1899 then
                                                        add('Ya')
                                                else
                                                        add('Tidak');
                                        end else
                                        begin
                                                add('-');
                                                add('-');
                                                add('Tidak');
                                        end;
                                end;
                                inc(i);
                                ModulData.SQLState.Next;
                        end;
                end;
        end;
        StringGrid1SelectCell(self,0,StringGrid1.Row,tmp);
end;
```

PERPUSTAKAAN UNIKOM

```
procedure TfrmAdminPengguna.RefreshControl1;
begin
	tabAktifShow(self);
	if StringGrid1.Cells[0,1]='' then
		DisableControl1;
end;

procedure TfrmAdminPengguna.DisableControl2;
begin
		edUsername2.Text := '';
		edPassword2.Text := '';
		cbAkses2.ItemIndex := -1;
		edNamaLengkap2.Text := '';
		edDivisi2.Text := '';
		edJabatan2.Text := '';
		edEmail2.Text := '';
		edUsername2.Enabled := false;
		edPassword2.Enabled := false;
		cbAkses2.Enabled := false;
		edNamaLengkap2.Enabled := false;
		edDivisi2.Enabled := false;
		edJabatan2.Enabled := false;
		edEmail2.Enabled := false;
		bitbtn5.Enabled := false;
		BitBtn8.Enabled := false;
		BitBtn16.Enabled := false;
end;

procedure TfrmAdminPengguna.EnableControl2;
begin
		edUsername2.Enabled := true;
		edPassword2.Enabled := true;
		cbAkses2.Enabled := true;
		edNamaLengkap2.Enabled := true;
		edDivisi2.Enabled := true;
		edJabatan2.Enabled := true;
		edEmail2.Enabled := true;
		bitbtn5.Enabled := true;
		BitBtn8.Enabled := true;
		BitBtn16.Enabled := true;
end;

procedure TfrmAdminPengguna.StringGrid1SelectCell(Sender: TObject; ACol,
	ARow: Integer; var CanSelect: Boolean);
begin
	if StringGrid1.Cells[0,1]='' then
	begin
		DisableControl1;
		exit;
	end;
	EnableControl1;
	with modulData do
	begin
		with SQLState do
		begin
			SQL.Clear;
```

```
                SQL.Add('SELECT * FROM user WHERE
username='+QuotedStr(StringGrid1.Cells[0,ARow]));
                open;
                edUsername1.Text := FieldByName('username').AsString;
                edPassword1.Text := FieldByName('password').AsString;
                cbAkses1.ItemIndex :=
cbAkses1.Items.IndexOf(FieldByName('akses').AsString);
                edNamaLengkap1.Text :=
FieldByName('namalengkap').AsString;
                edDivisi1.Text := FieldByName('divisi').AsString;
                edJabatan1.Text := FieldByName('jabatan').AsString;
                try
                        edEmail1.Text := FieldByName('email').AsString;
                except
                        on EVariantTypeCastError do
                                edEmail1.Text := '';
                end;
        end;
    end;
end;

function TfrmAdminPengguna.isValidateOK1: boolean;
begin
    if length(edUsername1.Text)<5 then
    begin
        showMessage('username minimal 5 karakter');
        edUsername1.SetFocus;
        result := false;
        exit;
    end else
    if length(edPassword1.Text)<6 then
    begin
        ShowMessage('password minimal 6 karekter');
        edPassword1.SetFocus;
        result := false;
        Exit;
    end else
    if cbAkses1.ItemIndex = -1 then
    begin
        ShowMessage('Hak akses tidak boleh kosong');
        cbAkses1.SetFocus;
        result := false;
        exit;
    end;
    result := true;
end;

procedure TfrmAdminPengguna.BitBtn1Click(Sender: TObject);
begin
    if not edUsername1.Enabled then
        exit;
    if not isValidateOK1 then
        exit;
    if MessageDlg('Apakah anda yakin untuk mengupdate informasi account ini?',
            mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
        exit;
    with modulData do
    begin
```

```
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('UPDATE user SET
username='+QuotedStr(edUsername1.Text)+
                                        ', password='+QuotedStr(edPassword1.Text)+
                                        ', akses='+QuotedStr(cbAkses1.Text)+
                                        ',
namalengkap='+QuotedStr(edNamaLengkap1.Text)+
                                        ', divisi='+QuotedStr(edDivisi1.Text)+
                                        ', jabatan='+QuotedStr(edJabatan1.Text)+
                                        ', email='+QuotedStr(edEmail1.Text)+
                                        ' WHERE
username='+QuotedStr(StringGrid1.Cells[0,StringGrid1.Row]));
                        ExecSQL(True);
                end;
        end;
        with StringGrid1.Rows[StringGrid1.Row] do
        begin
                strings[0] := edUsername1.Text;
                Strings[1] := edDivisi1.Text;
        end;
end;

procedure TfrmAdminPengguna.BitBtn13Click(Sender: TObject);
begin
        if not edUsername1.Enabled then
                exit;
        if MessageDlg('Apakah anda yakin untuk memblok account ini ('+
                        QuotedStr(StringGrid1.Cells[0,StringGrid1.Row])+')?'#13+
                        'Perhatian: Account ini tidak akan bisa digunakan untuk login
lagi.',
                        mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
                exit;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('UPDATE user SET blok=1 WHERE username='+

        QuotedStr(StringGrid1.Cells[0,StringGrid1.Row]));
                        ExecSQL(True);
                        if rowsAffected=0 then
                                ShowMessage('Terjadi kesalahan di database...'#13+
                                                'Mohon periksa komputer server');
                end;
        end;
        StringGrid1.Rows[StringGrid1.Row].Clear;
        RefreshControl1;
end;

procedure TfrmAdminPengguna.BitBtn3Click(Sender: TObject);
begin
        close;
end;

procedure TfrmAdminPengguna.FormShow(Sender: TObject);
```

```
begin
        PageControl1.ActivePageIndex := 0;
end;

procedure TfrmAdminPengguna.BitBtn4Click(Sender: TObject);
begin
        if not edUsername1.Enabled then
                exit;
        if MessageDlg('Apakah anda yakin untuk menghapus account ini ('+
                        QuotedStr(StringGrid1.Cells[0,StringGrid1.Row])+')?',
                        mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
                exit;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('DELETE FROM user WHERE username='+

        QuotedStr(StringGrid1.Cells[0,StringGrid1.Row]));
                        ExecSQL(True);
                        if rowsAffected=0 then
                                ShowMessage('Terjadi kesalahan di database...'#13+
                                                'Mohon periksa komputer server');
                end;
        end;
        StringGrid1.Rows[StringGrid1.Row].Clear;
        RefreshControl1;
end;

procedure TfrmAdminPengguna.BitBtn14Click(Sender: TObject);
begin
        RefreshControl1;
end;

procedure TfrmAdminPengguna.tabRequestShow(Sender: TObject);
var
        i,accActive, accReq, accBlocked: integer;
        tmp: boolean;
begin
        StringGrid2.RowCount := 2;
        StringGrid2.rows[1].clear;
        StringGrid2.FixedRows := 1;
        StringGrid2.ColCount := 4;
        with StringGrid2.Rows[0] do
        begin
                Clear;
                add('Username');
                add('Divisi');
                add('Nama lengkap');
                add('Jabatan');
        end;
        With Moduldata do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE (blok=1)');
```

```
                        Open;
                        accBlocked := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((request=0) and
(blok=0)) ORDER BY username ASC');
                        Open;
                        accActive := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((blok=0) and
(request=1))');
                        Open;
                        accReq := RecordCount;
                        Label11.Caption := format ('Daftar Permintaan Pendaftaran (%d)
'+
                                        '(%d account aktif && %d account diblok)',
                                        [accReq,accActive,accBlocked]);
                        if accReq=0 then
                                StringGrid2.RowCount := 2
                        else
                                StringGrid2.RowCount :=accReq+1;
                        if accReq>0 then
                        begin
                                First;
                                i:=1;
                                while not Eof do
                                begin
                                        with StringGrid2.Rows[i] do
                                        begin
                                                Clear;

        add(FieldByName('username').AsString);
                                                add(FieldByName('divisi').AsString);

        add(FieldByName('namalengkap').AsString);
                                                add(FieldByName('jabatan').AsString);
                                        end;
                                        inc(i);
                                        Next;
                                end;
                        end;
                end;
        end;
        StringGrid2SelectCell(self,0,StringGrid2.Row,tmp);
end;

procedure TfrmAdminPengguna.StringGrid2SelectCell(Sender: TObject; ACol,
        ARow: Integer; var CanSelect: Boolean);
begin
        if StringGrid2.Cells[0,1]='' then
        begin
                DisableControl2;
                exit;
        end;
        EnableControl2;
        with modulData do
        begin
                with SQLState do
                begin
```

```
                SQL.Clear;
                SQL.Add('SELECT * FROM user WHERE username=' +
                        QuotedStr(StringGrid2.Cells[0,ARow]));
                open;
                edUsername2.Text := FieldByName('username').AsString;
                edPassword2.Text := FieldByName('password').AsString;
                cbAkses2.ItemIndex :=
cbAkses2.Items.IndexOf(FieldByName('akses').AsString);
                edNamaLengkap2.Text :=
FieldByName('namalengkap').AsString;
                edDivisi2.Text := FieldByName('divisi').AsString;
                edJabatan2.Text := FieldByName('jabatan').AsString;
                try
                        edEmail2.Text := FieldByName('email').AsString;
                except
                        on EVariantTypeCastError do
                                edEmail2.Text := '';
                end;
        end;
    end;
end;

function TfrmAdminPengguna.isValidateOK2: boolean;
begin
    if length(edUsername2.Text)<5 then
    begin
        showMessage('username minimal 5 karakter');
        edUsername2.SetFocus;
        result := false;
        exit;
    end else
    if length(edPassword2.Text)<6 then
    begin
        ShowMessage('password minimal 6 karekter');
        edPassword2.SetFocus;
        result := false;
        Exit;
    end else
    if cbAkses2.ItemIndex = -1 then
    begin
        ShowMessage('Hak akses tidak boleh kosong');
        cbAkses2.SetFocus;
        result := false;
        exit;
    end;
    result := true;
end;


procedure TfrmAdminPengguna.BitBtn5Click(Sender: TObject);
begin
    if not edUsername2.Enabled then
        exit;
    if not isValidateOK2 then
        exit;
    if MessageDlg('Apakah anda yakin untuk menyetujui informasi account ini?',
            mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
        exit;
```

```
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('UPDATE user SET
username='+QuotedStr(edUsername2.Text)+
                                                ', password='+QuotedStr(edPassword2.Text)+
                                                ', akses='+QuotedStr(cbAkses2.Text)+
                                                ',
namalengkap='+QuotedStr(edNamaLengkap2.Text)+
                                                ', divisi='+QuotedStr(edDivisi2.Text)+
                                                ', jabatan='+QuotedStr(edJabatan2.Text)+
                                                ', email='+QuotedStr(edEmail2.Text)+
                                                ', request=0'+
                                                ' WHERE
username='+QuotedStr(StringGrid2.Cells[0,StringGrid2.Row]));
                        ExecSQL(True);
                end;
        end;
        StringGrid2.Rows[StringGrid2.Row].Clear;
        RefreshControl2;
end;

procedure TfrmAdminPengguna.RefreshControl2;
begin
        tabRequestShow(self);
        if StringGrid2.Cells[0,1]='' then
                DisableControl2;
end;

procedure TfrmAdminPengguna.BitBtn15Click(Sender: TObject);
begin
        RefreshControl2;
end;

procedure TfrmAdminPengguna.BitBtn16Click(Sender: TObject);
begin
        if not edUsername2.Enabled then
                exit;
        if not isValidateOK2 then
                exit;
        if MessageDlg('Apakah anda yakin untuk mengupdate informasi account ini?',
                        mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
                exit;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('UPDATE user SET
username='+QuotedStr(edUsername2.Text)+
                                                ', password='+QuotedStr(edPassword2.Text)+
                                                ', akses='+QuotedStr(cbAkses2.Text)+
                                                ',
namalengkap='+QuotedStr(edNamaLengkap2.Text)+
                                                ', divisi='+QuotedStr(edDivisi2.Text)+
                                                ', jabatan='+QuotedStr(edJabatan2.Text)+
```

```
                                        ', email='+QuotedStr(edEmail2.Text)+
                                        ' WHERE
username='+QuotedStr(StringGrid2.Cells[0,StringGrid2.Row]));
                        ExecSQL(True);
                end;
        end;
        with StringGrid2.Rows[StringGrid2.Row] do
        begin
                strings[0] := edUsername2.Text;
                Strings[1] := edDivisi2.Text;
        end;
end;

procedure TfrmAdminPengguna.tabBlokShow(Sender: TObject);
var
        i,accActive, accReq, accBlocked: integer;
        tmp: boolean;
begin
        StringGrid3.RowCount := 2;
        StringGrid3.rows[1].clear;
        StringGrid3.FixedRows := 1;
        StringGrid3.ColCount := 5;
        with StringGrid3.Rows[0] do
        begin
                Clear;
                add('Username');
                add('Divisi');
                add('Login terakhir');
                add('IP Login terakhir');
                add('Sedang login');
        end;
        With Moduldata do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((blok=0) and
(request=1))');
                        Open;
                        accReq := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE ((request=0) and
(blok=0)) ORDER BY username ASC');
                        Open;
                        accActive := RecordCount;
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE (blok=1)');
                        Open;
                        accBlocked := RecordCount;
                        Label21.Caption := format ('Daftar Account Yang Diblok (%d) ' +
                                        '(%d account aktif && %d account menunggu
persetujuan)',
                                        [accBlocked,accActive,accReq]);
                        if accBlocked=0 then
                                StringGrid3.RowCount := 2
                        else
                                StringGrid3.RowCount :=accBlocked+1;
                        if accBlocked>0 then
```

```
                begin
                        First;
                        i:=1;
                        while not Eof do
                        begin
                                with SQLState2 do
                                begin
                                        ModulData.SQLState2.SQL.Clear;

        ModulData.SQLState2.SQL.Add('SELECT * FROM login WHERE (username=' +

        QuotedStr(SQLState.FieldByName('username').AsString) +
                                                        ') ORDER BY tgl
DESC');
                                        open;
                                end;
                                with StringGrid3.Rows[i] do
                                begin
                                        Clear;

        add(SQLState.FieldByName('username').AsString);

        add(SQLState.FieldByName('divisi').AsString);
                                        if sqlstate2.recordCount>0 then
                                        begin

        add(SQLState2.FieldByName('tgl').AsString);

        add(SQLState2.FieldByName('ip').AsString);
                                                if
YearOf(SQLState2.FieldByName('logout').AsDateTime)=1899 then
                                                        add('Ya')
                                                else
                                                        add('Tidak');
                                        end else
                                        begin
                                                add('-');
                                                add('-');
                                                add('Tidak');
                                        end;
                                end;
                                inc(i);
                                ModulData.SQLState.Next;
                        end;
                end;
        end;
        StringGrid3SelectCell(self,0,StringGrid3.Row,tmp);
end;

procedure TfrmAdminPengguna.StringGrid3SelectCell(Sender: TObject; ACol,
        ARow: Integer; var CanSelect: Boolean);
begin
        if StringGrid3.Cells[0,1]='' then
        begin
                DisableControl3;
                exit;
        end;
```

```
        EnableControl3;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('SELECT * FROM user WHERE
username='+QuotedStr(StringGrid3.Cells[0,ARow]));
                        open;
                        edUsername3.Text := FieldByName('username').AsString;
                        edPassword3.Text := FieldByName('password').AsString;
                        cbAkses3.ItemIndex :=
cbAkses3.Items.IndexOf(FieldByName('akses').AsString);
                        edNamaLengkap3.Text :=
FieldByName('namalengkap').AsString;
                        edDivisi3.Text := FieldByName('divisi').AsString;
                        edJabatan3.Text := FieldByName('jabatan').AsString;
                        try
                                edEmail3.Text := FieldByName('email').AsString;
                        except
                                on EVariantTypeCastError do
                                        edEmail3.Text := '';
                        end;
                end;
        end;
end;

procedure TfrmAdminPengguna.BitBtn8Click(Sender: TObject);
begin
        if not edUsername2.Enabled then
                exit;
        if MessageDlg('Apakah anda yakin untuk menghapus account ini ('+
                        QuotedStr(StringGrid2.Cells[0,StringGrid2.Row])+')?',
                        mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
                exit;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('DELETE FROM user WHERE username='+

        QuotedStr(StringGrid2.Cells[0,StringGrid2.Row]));
                        ExecSQL(True);
                        if rowsAffected=0 then
                                ShowMessage('Terjadi kesalahan di database...'#13+
                                                'Mohon periksa komputer server');
                end;
        end;
        StringGrid2.Rows[StringGrid2.Row].Clear;
        RefreshControl2;
end;

procedure TfrmAdminPengguna.DisableControl3;
begin
                edUsername3.Text := '';
                edPassword3.Text := '';
                cbAkses3.ItemIndex := -1;
```

```
                edNamaLengkap3.Text := '';
                edDivisi3.Text := '';
                edJabatan3.Text := '';
                edEmail3.Text := '';
                edUsername3.Enabled := false;
                edPassword3.Enabled := false;
                cbAkses3.Enabled := false;
                edNamaLengkap3.Enabled := false;
                edDivisi3.Enabled := false;
                edJabatan3.Enabled := false;
                edEmail3.Enabled := false;
                bitbtn17.Enabled := false;
                BitBtn9.Enabled := false;
                BitBtn12.Enabled := false;
end;

procedure TfrmAdminPengguna.EnableControl3;
begin
                edUsername3.Enabled := true;
                edPassword3.Enabled := true;
                cbAkses3.Enabled := true;
                edNamaLengkap3.Enabled := true;
                edDivisi3.Enabled := true;
                edJabatan3.Enabled := true;
                edEmail3.Enabled := true;
                bitbtn17.Enabled := true;
                BitBtn9.Enabled := true;
                BitBtn12.Enabled := true;
end;

function TfrmAdminPengguna.isValidateOK3: boolean;
begin
        if length(edUsername3.Text)<5 then
        begin
                showMessage('username minimal 5 karakter');
                edUsername3.SetFocus;
                result := false;
                exit;
        end else
        if length(edPassword3.Text)<6 then
        begin
                ShowMessage('password minimal 6 karekter');
                edPassword3.SetFocus;
                result := false;
                Exit;
        end else
        if cbAkses3.ItemIndex = -1 then
        begin
                ShowMessage('Hak akses tidak boleh kosong');
                cbAkses3.SetFocus;
                result := false;
                exit;
        end;
        result := true;
end;


procedure TfrmAdminPengguna.RefreshControl3;
```

```
begin
	tabBlokShow(self);
	if StringGrid3.Cells[0,1]='' then
		DisableControl3;
end;

procedure TfrmAdminPengguna.BitBtn18Click(Sender: TObject);
begin
	RefreshControl3;
end;

procedure TfrmAdminPengguna.BitBtn17Click(Sender: TObject);
begin
	if not edUsername3.Enabled then
		exit;
	if not isValidateOK3 then
		exit;
	if MessageDlg('Apakah anda yakin untuk mengupdate informasi account ini?',
			mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
		exit;
	with modulData do
	begin
		with SQLState do
		begin
			SQL.Clear;
			SQL.Add('UPDATE user SET
username='+QuotedStr(edUsername3.Text)+
					', password='+QuotedStr(edPassword3.Text)+
					', akses='+QuotedStr(cbAkses3.Text)+
					',
namalengkap='+QuotedStr(edNamaLengkap3.Text)+
					', divisi='+QuotedStr(edDivisi3.Text)+
					', jabatan='+QuotedStr(edJabatan3.Text)+
					', email='+QuotedStr(edEmail3.Text)+
					' WHERE
username='+QuotedStr(StringGrid3.Cells[0,StringGrid3.Row]));
			ExecSQL(True);
		end;
	end;
	with StringGrid3.Rows[StringGrid3.Row] do
	begin
		strings[0] := edUsername3.Text;
		Strings[1] := edDivisi3.Text;
	end;
end;

procedure TfrmAdminPengguna.BitBtn9Click(Sender: TObject);
begin
	if not edUsername3.Enabled then
		exit;
	if not isValidateOK3 then
		exit;
	if MessageDlg('Apakah anda yakin untuk mengaktifkan kembali account ini?',
			mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
		exit;
	with modulData do
	begin
		with SQLState do
```

```
                begin
                        SQL.Clear;
                        SQL.Add('UPDATE user SET
username='+QuotedStr(edUsername3.Text)+
                                        ', password='+QuotedStr(edPassword3.Text)+
                                        ', akses='+QuotedStr(cbAkses3.Text)+
                                        ',
namalengkap='+QuotedStr(edNamaLengkap3.Text)+
                                        ', divisi='+QuotedStr(edDivisi3.Text)+
                                        ', jabatan='+QuotedStr(edJabatan3.Text)+
                                        ', email='+QuotedStr(edEmail3.Text)+
                                        ', request=0'+
                                        ', blok=0'+
                                        ' WHERE
username='+QuotedStr(StringGrid3.Cells[0,StringGrid3.Row]));
                        ExecSQL(True);
                end;
        end;
        StringGrid3.Rows[StringGrid3.Row].Clear;
        RefreshControl3;
end;

procedure TfrmAdminPengguna.BitBtn12Click(Sender: TObject);
begin
        if not edUsername3.Enabled then
                exit;
        if MessageDlg('Apakah anda yakin untuk menghapus account ini ('+
                        QuotedStr(StringGrid3.Cells[0,StringGrid3.Row])+')?',
                        mtConfirmation,[mbYes,mbCancel],0)=mrCancel then
                exit;
        with modulData do
        begin
                with SQLState do
                begin
                        SQL.Clear;
                        SQL.Add('DELETE FROM user WHERE username='+

        QuotedStr(StringGrid3.Cells[0,StringGrid3.Row]));
                        ExecSQL(True);
                        if rowsAffected=0 then
                                ShowMessage('Terjadi kesalahan di database...'#13+
                                                'Mohon periksa komputer server');
                end;
        end;
        StringGrid3.Rows[StringGrid3.Row].Clear;
        RefreshControl3;
end;

end.
```

unit formAdminServer;

```
interface

uses
```

```
        Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
        Dialogs, StdCtrls, ExtCtrls, Registry;

type
        TfrmAdminServer = class(TForm)
    Panel1: TPanel;
    Image1: TImage;
    Label1: TLabel;
    Label2: TLabel;
                ServerName: TComboBox;
                HostName: TEdit;
                Label3: TLabel;
                DBName: TEdit;
                UserName: TEdit;
                Label4: TLabel;
                Label5: TLabel;
                Password: TEdit;
                Button1: TButton;
                Button2: TButton;
                procedure Button1Click(Sender: TObject);
                procedure FormCreate(Sender: TObject);
                procedure Button2Click(Sender: TObject);
    procedure FormShow(Sender: TObject);
        private
                { Private declarations }
                GlobalVal: TStringList;
                OrgVal: array[1..5] of string;
                procedure GetDBMSSetting(val: TStringList);
                procedure WriteDBMSSetting(val: TStringList);
        public
                { Public declarations }
        end;

var
        frmAdminServer: TfrmAdminServer;

implementation

{$R *.dfm}

procedure TfrmAdminServer.Button1Click(Sender: TObject);
begin
        WriteDBMSSetting(Globalval);
        close;
end;

procedure TfrmAdminServer.GetDBMSSetting(val: TStringList);
var
        Reg: TRegistry;
        i: integer;
begin
        Reg:=TRegistry.Create;
                val.clear;
        try
                Reg.RootKey:=HKEY_LOCAL_MACHINE; // Section to look for within the
registry
                if not Reg.OpenKey('\SOFTWARE\iman\smpt\dbms',False) then
                        ShowMessage('Error opening key')
```

```
                else
                        Reg.GetValueNames(Val);
                        for i:=0 to val.count-1 do
                        begin
                                val.Values[val.Strings[i]] :=
Reg.ReadString(val.Strings[i]);
                        end;
        finally
                Reg.Free;
        end;
end;

procedure TfrmAdminServer.WriteDBMSSetting(val: TStringList);
var
        Reg: TRegistry;
begin
        Reg:=TRegistry.Create;
        try
                Reg.RootKey:=HKEY_LOCAL_MACHINE; // Section to look for within the
registry
                if not Reg.OpenKey('\SOFTWARE\iman\smpt\dbms',False) then
                        ShowMessage('Error opening key')
                else begin
                        Reg.WriteString('HostName',HostName.Text);
                        Reg.WriteString('DataBase',DBName.Text);
                        Reg.WriteString('User_Name',UserName.Text);
                        Reg.WriteString('Password',Password.Text);
                        Reg.CloseKey;
                end;
        finally
                Reg.Free;
        end;
end;

procedure TfrmAdminServer.FormCreate(Sender: TObject);
begin
        GlobalVal := TStringList.Create;
        FormShow(self);
end;

procedure TfrmAdminServer.Button2Click(Sender: TObject);
begin
        ServerName.Text := OrgVal[1];
        HostName.Text := OrgVal[2];
        DBName.Text := OrgVal[3];
        UserName.Text := OrgVal[4];
        Password.Text := OrgVal[5];
        close;
end;

procedure TfrmAdminServer.FormShow(Sender: TObject);
begin
        GetDBMSSetting(GlobalVal);
        OrgVal[1] := ServerName.Text;
        OrgVal[2] := HostName.Text;
        OrgVal[3] := DBName.Text;
        OrgVal[4] := UserName.Text;
        OrgVal[5] := Password.Text;
```

```
        HostName.Text :=  GlobalVal.Values['HostName'];
        DBName.Text := Globalval.Values['DataBase'];
        UserName.Text := GlobalVal.Values['User_Name'];
        Password.Text := Globalval.Values['Password'];
end;

end.
```

```
unit formAdminServer;

interface

uses
        Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
        Dialogs, StdCtrls, ExtCtrls, Registry;

type
        TfrmAdminServer = class(TForm)
    Panel1: TPanel;
    Image1: TImage;
    Label1: TLabel;
    Label2: TLabel;
                ServerName: TComboBox;
                HostName: TEdit;
                Label3: TLabel;
                DBName: TEdit;
                UserName: TEdit;
                Label4: TLabel;
                Label5: TLabel;
                Password: TEdit;
                Button1: TButton;
                Button2: TButton;
                procedure Button1Click(Sender: TObject);
                procedure FormCreate(Sender: TObject);
                procedure Button2Click(Sender: TObject);
    procedure FormShow(Sender: TObject);
        private
                { Private declarations }
                GlobalVal: TStringList;
                OrgVal: array[1..5] of string;
                procedure GetDBMSSetting(val: TStringList);
                procedure WriteDBMSSetting(val: TStringList);
        public
                { Public declarations }
        end;

var
        frmAdminServer: TfrmAdminServer;
```

```
implementation

{$R *.dfm}

procedure TfrmAdminServer.Button1Click(Sender: TObject);
begin
        WriteDBMSSetting(Globalval);
        close;
end;

procedure TfrmAdminServer.GetDBMSSetting(val: TStringList);
var
        Reg: TRegistry;
        i: integer;
begin
        Reg:=TRegistry.Create;
                val.clear;
        try
                Reg.RootKey:=HKEY_LOCAL_MACHINE; // Section to look for within the
registry
                if not Reg.OpenKey('\SOFTWARE\iman\smpt\dbms',False) then
                        ShowMessage('Error opening key')
                else
                        Reg.GetValueNames(Val);
                        for i:=0 to val.count-1 do
                        begin
                                val.Values[val.Strings[i]] :=
Reg.ReadString(val.Strings[i]);
                        end;
        finally
                Reg.Free;
        end;
end;

procedure TfrmAdminServer.WriteDBMSSetting(val: TStringList);
var
        Reg: TRegistry;
begin
        Reg:=TRegistry.Create;
        try
                Reg.RootKey:=HKEY_LOCAL_MACHINE; // Section to look for within the
registry
                if not Reg.OpenKey('\SOFTWARE\iman\smpt\dbms',False) then
                        ShowMessage('Error opening key')
                else begin
                        Reg.WriteString('HostName',HostName.Text);
                        Reg.WriteString('DataBase',DBName.Text);
                        Reg.WriteString('User_Name',UserName.Text);
                        Reg.WriteString('Password',Password.Text);
                        Reg.CloseKey;
                end;
        finally
                Reg.Free;
        end;
end;

procedure TfrmAdminServer.FormCreate(Sender: TObject);
begin
```

```
        GlobalVal := TStringList.Create;
        FormShow(self);
end;

procedure TfrmAdminServer.Button2Click(Sender: TObject);
begin
        ServerName.Text := OrgVal[1];
        HostName.Text := OrgVal[2];
        DBName.Text := OrgVal[3];
        UserName.Text := OrgVal[4];
        Password.Text := OrgVal[5];
        close;
end;

procedure TfrmAdminServer.FormShow(Sender: TObject);
begin
        GetDBMSSetting(GlobalVal);
        OrgVal[1] := ServerName.Text;
        OrgVal[2] := HostName.Text;
        OrgVal[3] := DBName.Text;
        OrgVal[4] := UserName.Text;
        OrgVal[5] := Password.Text;
        HostName.Text :=  GlobalVal.Values['HostName'];
        DBName.Text := Globalval.Values['DataBase'];
        UserName.Text := GlobalVal.Values['User_Name'];
        Password.Text := Globalval.Values['Password'];
end;

end.
```

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ABSENSI KERJA PRAKTEK

NIM : 10101284
NAMA : Rachmat Sujianto

No.	Tanggal	Jam Masuk	Jam Keluar	Paraf Petugas	Keterangan
1.	20-12-04	08.00	11.30		
2.	21-12-04	08.00	15.00		
3.	22-12-04	11.00	15.00		
4.	23-12-04	10.00	15.00		
5.	24-12-04	08.00	11.30		
6.	27-12-04	08.00	11.30		
7.	28-12-04	08.00	15.00		
8.	29-12-04	11.00	15.00		
9.	30-12-04	10.00	15.00		
10.	31-12-04	08.00	11.30		
11.	3-1-05	08.00	11.30		
12.	4-1-05	08.00	15.00		
13.	5-1-05	11.00	15.00		
14.	6-1-05	10.00	15.00		
15.	7-1-05	08.00	11.30		
16.	10-1-05	08.00	11.30		
17.	11-1-05	08.00	15.00		
18.	12-1-05	11.00	15.00		
19.	13-1-05	10.00	15.00		
20.	14-1-05	08.00	11.00		
21.	17-1-05	08.00	11.00		
22.	18-1-05	08.00	15.00		
23.	19-1-05	11.00	15.00		
24.	20-1-05	10.00	15.00		
25.					
26.					
27.					
28.					
29.					
30.					