**APLIKASI ATM SEDERHANA**

**DENGAN BAHASA PEMOGRAMAN *C++***

oleh:

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**PROGRAM STUDI TEKNIK INFORMATIKA**

**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS SINGAPERBANGSA KARAWANG**

**KARAWANG**

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Kelas : 2-G

Penugasan : - Programmer ke-1

* Penggagas
* Pembuat Pseudocode



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Kelas : 2-G

Penugasan : - Programmer ke-2

* Pembuat Flowchart
* Penyusun Power Point
* Penyusun Laporan

**Fasilitas Utama :**

1. Menampilkan form masukkan pin
2. Menampilkan menu utama
3. Menampilkan cek saldo
4. Menampilkan transfer
5. Menampilkan tarik tunai
6. Menampilkan setor tunai

**Fasilitas Tambahan :**

1. Fitur back & exit

**Bisnis Proses Aplikasi :**

Aplikasi ATM sederhana ini menggunakan bahasa pemrograman basis *C++* dan menggunakan system main utama yang menampilkan menu yaitu : cek saldo, transfer, penarikan tunai, penyetoran tunai, dan menu untuk exit. Kekurangannya Aplikasi ATM sederhana jika salah memasukkan pin lebih dari 3 kali maka kartu atm tidak terblokir, seharusnya jika salah memasukkan pin lebih dari 3 kali sudah diblokir. Kekurangan lainnya yaitu atm ini tidak menyediakan fitur membeli pulsa, mengisi paket data, membayar tagijhan listrik, membayar tagihan air, dan lain-lain.

**Pseudocode :**

Judul : Program ATM Sederhana

Deklarasi : pin, pilihan, saldo, proses, transfer ,tarik tunai , setor tunai : integer

ulang : string

Deskripsi : input pin

If pin = 1234

Then menu

If menu = 1

Then cek saldo

Output saldo

If menu=2

Then Transfer

Input jumlah transfer

Output saldo=saldo-jumlah transfer

If menu=3

Then Tarik Tunai

Input jumlah tarik tunai

Output saldo=saldo-tarik tunai

If menu=4

Then Setor Tunai

Input jumlah setor tunai

Output saldo=saldo+setor tunai

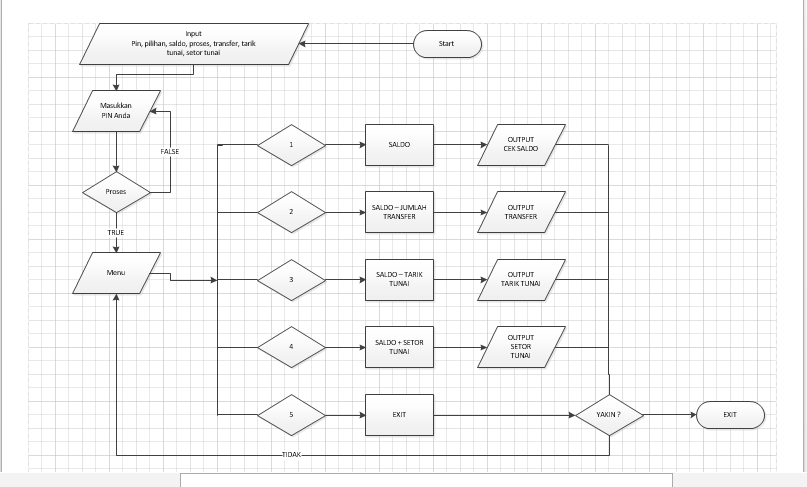
If menu=5

Then Exit

Input y end

Input n goto menu

Flowchart



**Source Code** :

#include <iostream>

#include <windows.h>

#include <cstdlib>

using namespace std;

main()

{

int pin=1234;

cout<<"================================================="<<endl;

cout<<"|\tSelamat Datang di ATM UWWWAAUUUU |"<<endl;

cout<<"|\t\tPecahan Rp.50.000 |"<<endl;

cout<<"================================================="<<endl;

cout<<"\nMasukkan Pin Anda :";

cin>>pin;

while (!(pin==1234))

{

system("CLS");

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout << "Pin yang anda masukkan salah" << endl;

cout << "\n\tMasukkan Pin : " ;

cin >> pin;

}

if (pin==1234)

{

cout << "Pin yang anda masukkan benar" << endl;

}

else

{

system("CLS");

cout << "Pin yang anda masukkan salah" << endl;

cout << "Masukkan Pin" << endl;

cin >> pin;

}

int pilihan, saldo=1000000, tf, tn, sisa, tujuan, top;

menu :

system("cls");

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<"\tMENU : \n\n";

cout<<"\t\t1. Cek Saldo \n";

cout<<"\t\t2. Transfer \n";

cout<<"\t\t3. Tarik Tunai \n";

cout<<"\t\t4. Setor Tunai \n";

cout<<"\t\t5. Exit \n\n";

cout<<"\t Masukkan Pilihan Anda :";

cin>>pilihan;

switch(pilihan)

{

case 1:

{

menu1:

system("cls");

char a;

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<" Saldo Anda : Rp. "<<saldo<<endl<<endl<<endl;

cout<<"\n";

cout<<" Kembali Ke Menu Utama y/n :"; cin>>a;

if (a=='y'||a=='Y')

{

goto menu;

}

else if(a=='n'||a=='N')

{

goto menu1;

}

break;

}

case 2:

{

menu2:

system("cls");

char a;

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<" Transfer \n";

cout<<"\n";

cout<<" Masukkan Rekening Tujuan : "; cin>>tujuan;

cout<<"\n";

cout<<" Masukkan Jumlah Transfer : Rp. "; cin>>tf;

cout<<"\n";

sisa=saldo-tf;

cout<<" Sisa Saldo Saat Ini : Rp. "<<sisa<<endl;

cout<<"\n";

cout<<"\nKembali Ke Menu Utama y/n :"; cin>>a;

if (a=='y'||a=='Y')

{

saldo=saldo-tf;

goto menu;

}

else if(a=='n'||a=='N')

{

goto menu2;

}

break;

}

case 3:

{

menu3:

system("cls");

char a;

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<" Tarik Tunai \n";

cout<<"\n";

cout<<" Masukkan Jumlah Yang Akan Ditarik : Rp. ";

cin>>tn;

sisa=saldo-tn;

cout<<"\n";

cout<<" Sisa Saldo Sekarang : Rp. "<<sisa<<endl;

cout<<"\n";

cout<<" Silahkan Ambil Uang Anda, Jgn Lupa Sedekah"<<endl;

cout<<"\nKembali Ke Menu Utama y/n :"; cin>>a;

if (a=='y'||a=='Y')

{

saldo = saldo-tn;

goto menu;

}

else if(a=='n'||a=='N')

{

goto menu3;

}

break;

}

case 4:

{

menu4:

system("cls");

char a;

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<" Setor Tunai \n";

cout<<"\n";

cout<<" Masukkan Jumlah yang Akan disetor : Rp. "; cin>>top;

cout<<"\n";

sisa=saldo+top;

cout<<" Anda Berhasil Menyetor \n";

cout<<"\n";

cout<<" Jumlah saldo saat ini : Rp. "<<sisa<<endl;

cout<<"\n";

cout<<"\nKembali Ke Menu Utama y/n :"; cin>>a;

if (a=='y'||a=='Y')

{

saldo=saldo+top;

goto menu;

}

else if(a=='n'||a=='N')

{

goto menu4;

}

break;

}

case 5:

{

char a;

system("cls");

cout<<"============================================"<<endl;

cout<<"|\t ===BANK UWWWAUUUUUUUU=== |\n";

cout<<"============================================"<<endl;

cout<<"\n";

cout<<"Apakah Anda Yakin Akan Keluar y/n : ";

cout<<"\n";

cin>>a;

if (a=='y'||a=='Y')

{

cout<<"\n";

cout<<"Terimakasih telah menggunakan BANK UWWWAUUUUUUUU";

exit (0);

}

else if(a=='n'||a=='N')

{

goto menu;

}

}

}

}

**SCREENSHOOT:**

