APLIKASI KASIR RESTAURANT SEDERHANA DENGAN MENGGUNAKAN BAHASA C++

Oleh:

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PROGRAM STUDI TEKNIK INFORMATIKA

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**Fasilitas utama** :

1. Menyediakan login untuk admin  
 2. Menampilkan menu  
 3. Menampilkan daftar menu makanan dan minuman  
 4. Menyediakan fasiitas untuk memesan makanan   
 5. Menampilkan total harga beserta kembaliannya

**Bisnis proses aplikasi :**

Dengan bangga kami membuat aplikasi ini menggunakan Bahasa c++, aplikasi ini menggunakan main menu yang akan menampilkan ; daftar menu,menu makanan dan minuman, serta harga dan juga kembaliannya dan juga memakai fungsi untuk menjalankan input data dan juga transaksi makanan. Aplikasi ini memenuhi standar Bahasa c++. Kekurangan aplikasi ini adalah tidak bisa memesan 2 paket makanan sekaligus.

**Pseudocode :**

**Judul :** Program Aplikasi Kasir Restaurant Sederhana

**Deklarasi :** user, pass : *string*

chr, f, \*nm\_mkn, \*nm\_mnm, kd\_paket, pilihan2, nampel : *character* jum\_bel, harga, bayar, kembalian, total, ppn, diskon, tobar : *float*

a : *integer*

mainmenu, garis, daftarmakanan, pesan, food : *void*

**Deskripsi :** *Input* user & pass

*If* user = admin && pass = admin

*Then* mainmenu()

*Else* Username atau Password salah, silakan login kembali.

*Output* menu : 1. DAFTAR MENU MAKANAN & MINUMAN

2. PESAN

3. KELUAR

*Input* pilihan menu (1, 2,)

*Switch* (pilihan menu)

*Case* 1 : daftarmakanan

*Case* 2 : pesan

*Void* daftarmakanan

*Read* (Daftar Film)

*Input* 1 *goto* mainmenu  
 *Input* 2 *goto* pesan

*Void* pesan

*Input* nampel

*Input* kd\_paket

*Input* jum\_bel

*Read* (*total=* *jum\_bel\*harga)*

*Read (ppn=0.10\*total)*

*If* jum\_bel>=5

*Read* (*diskon=0.02\*harga\*jum\_bel)*

*Else*

*Read (diskon=0)*

*Write* (nampel, nm\_mkn, nm\_mnm, harga)

*While* (menu)  
 *End*

**Flowchart**

LOGIN UNTUK ADMIN

NO

YES

SUKSES LOGIN?

DAFTAR MAKANAN & MINUMAN

DAFTAR MENU

MAIN MENU

PEMESANAN & HARGA

PEMESANAN

KELUAR

TOTAL= (JUMLAH+PPN)-DISKON

NAMA PELANGGAN,NAMA MAKANAN,NAMA MINUMAN,TOTAL HARGA

**SOURCE CODES :**

#include <iostream>

#include <conio.h>

#include <stdlib.h>

#include <windows.h>

using namespace std;

void garis();

void mainmenu();

void daftarmakanan();

void pesan();

main()

{

system("color b");

string user,pass;

char chr;

login:

cout<<"\t\t";garis(); cout<<endl;

cout<<"\t\t-=-=-=-=- WILUJENG SUMPING =-=-=-=-"<<endl;

cout<<"\t\t-=-=-=-= SKYWING RESTAURANT -=-=-=-"<<endl;

cout<<"\t\t-=-=-=- Jl. HS.Ronggo Waluyo =-=-=-"<<endl;

cout<<"\t\t";garis(); cout<<endl;

cout<<" \t\t||| >>> SILAHKAN LOGIN <<< |||"<<endl;

cout<<"\t\t"; garis(); cout<<endl;

cout << "\t\tNama Pengguna : "; cin >> user;

cout << "\t\tKata Sandi : ";

chr=\_getch();

while(chr != 13)

{

pass.push\_back(chr);

cout<<'\*';

chr=\_getch();

}

home:

if (user=="admin" && pass=="admin")

{

system("cls");

mainmenu();

getch();

}

else

{

system("cls");

cout<<"\n\n Nama Pengguna atau Kata Sandi Salah, Silahkan Coba Lagi!!"<<endl;

goto login;

return 0;

}

}

void garis()

{

cout<<"=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=";

}

void mainmenu()

{

int a;

system ("cls");

system ("color c");

cout<<"\t\t"<<"-=-";garis(); cout<<"-=-"<<endl;

cout<<"\t\t| >> LOGIN BERHASIL! << |"<<endl;

cout<<"\t\t"<<"===";garis(); cout<<"==="<<endl;

cout<<"\t\t| WILUJENG SUMPING |"<<endl;

cout<<"\t\t| SKYWING RESTAURANT |"<<endl;

cout<<"\t\t| Jl. HS.Ronggo Waluyo |"<<endl;

cout<<"\t\t"<<"===";garis(); cout<<"==="<<endl;

cout<<"\t\t| |"<<endl;

cout<<"\t\t| 1. DAFTAR MENU MAKANAN & MINUMAN |"<<endl;

cout<<"\t\t| 2. PEMESANAN |"<<endl;

cout<<"\t\t| 3. KELUAR |"<<endl;

cout<<"\t\t| |"<<endl;

cout<<"\t\t"<<"===";garis(); cout<<"==="<<endl;

cout<<"\t\tMasukan Pilihan Anda : "; cin>>a;

switch(a)

{

case 1:

daftarmakanan();

break;

case 2:

pesan();

break;

}

}

void daftarmakanan()

{

char f;

system("cls");

system ("color a");

cout << endl;

cout << endl;

cout << ""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

cout << "| DAFTAR MENU MAKANAN & MINUMAN |"<<endl;

cout << ""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

cout << "|-------------------------------------------------|\n";

cout << "| PAKET |DAFTAR MAKANAN|DAFTAR MINUMAN| HARGA |\n";

cout << "|-------------------------------------------------|\n";

cout << "| A | Ayam Geprek | Jus Jambu | RP. 20.000|\n";

cout << "| B | Mie Ayam | Es Teh Manis | Rp. 15.000|\n";

cout << "| C | Nasi Goreng | Es Jeruk | RP. 19.000|\n";

cout << "| D | Nasi Rames | Es Kelapa | Rp. 20.000|\n";

cout << "| E | Sate Ayam | Es Teh Manis | RP. 23.000|\n";

cout << "| F | Nasi Bakar | Jus Alpukat | RP. 28.000|\n";

cout << "| G | Pecel Lele | Teh Hangat | RP. 15.000|\n";

cout << "| H | Lontong Tahu | Teh Hangat | RP. 14.000|\n";

cout << "| I | Garang Asem | Es Kopi | RP. 20.000|\n";

cout << "| J | Sate Kambing | Jus Mangga | RP. 30.000|\n";

cout << "|-------------------------------------------------|\n\n";

cout<<""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

cout << "\nPilih 1 Untuk Kembali ke Menu Utama ";

cout << "\nPilih 2 Untuk Memesan ";

cout << "\nMasukan Pilihan Anda : ";

cin >> f;

if(f == '1')

{

mainmenu();

}

if(f == '2')

{

pesan();

}

getch();

}

void pesan()

{

char \*nm\_mkn,\*nm\_mnm,kd\_paket,pilihan2,nampel[15];

float jum\_bel,harga,bayar,kembalian,total,ppn,diskon,tobar;

system ("cls");

paket:

cout << ""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

cout << "| DAFTAR MENU MAKANAN & MINUMAN |"<<endl;

cout << ""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

cout << "|-------------------------------------------------|\n";

cout << "| PAKET |DAFTAR MAKANAN|DAFTAR MINUMAN| HARGA |\n";

cout << "|-------------------------------------------------|\n";

cout << "| A | Ayam Geprek | Jus Jambu | RP. 20.000|\n";

cout << "| B | Mie Ayam | Es Teh Manis | Rp. 15.000|\n";

cout << "| C | Nasi Goreng | Es Jeruk | RP. 19.000|\n";

cout << "| D | Nasi Rames | Es Kelapa | Rp. 20.000|\n";

cout << "| E | Sate Ayam | Es Teh Manis | RP. 23.000|\n";

cout << "| F | Nasi Bakar | Jus Alpukat | RP. 28.000|\n";

cout << "| G | Pecel Lele | Teh Hangat | RP. 15.000|\n";

cout << "| H | Lontong Tahu | Teh Hangat | RP. 14.000|\n";

cout << "| I | Garang Asem | Es Kopi | RP. 20.000|\n";

cout << "| J | Sate Kambing | Jus Mangga | RP. 30.000|\n";

cout << "|-------------------------------------------------|\n\n";

cout<<""<<"=-=-=-=-";garis(); cout<<"-=-=-=-="<<endl<<endl;

awal:

cout << " Nama Pelanggan : ";

cin >> nampel;

cout << " PIlih Paket [A/B/C/D/E/F/G/H/I/J] : ";

cin >> kd\_paket;

cout << " Jumlah Paket : ";

cin >> jum\_bel;

cout << "\t--------------------------------------------\n";

if (kd\_paket=='A' || kd\_paket=='a')

{

nm\_mkn="Ayam Geprek";

nm\_mnm="Jus Jambu";

harga=20000;

}

else if (kd\_paket=='B' || kd\_paket=='b')

{

nm\_mkn="Mie Ayam";

nm\_mnm="Es Teh Manis";

harga=15000;

}

else if (kd\_paket=='C' || kd\_paket=='c')

{

nm\_mkn="Nasi Goreng";

nm\_mnm="Es Jeruk";

harga=19000;

}

else if (kd\_paket=='D' || kd\_paket=='d')

{

nm\_mkn="Nasi Rames";

nm\_mnm="Es Kelapa";

harga=20000;

}

else if (kd\_paket=='E' || kd\_paket=='e')

{

nm\_mkn="Sate ayam";

nm\_mnm="Es Teh Manis";

harga=23000;

}

else if (kd\_paket=='F' || kd\_paket=='f')

{

nm\_mkn="Nasi Bakar";

nm\_mnm="Jus Alpukat";

harga=28000;

}

else if (kd\_paket=='G' || kd\_paket=='g')

{

nm\_mkn="Pecel lele";

nm\_mnm="Teh Hangat";

harga=15000;

}

else if (kd\_paket=='H' || kd\_paket=='h')

{

nm\_mkn="Lontong tahu";

nm\_mnm="Teh Hangat";

harga=14000;

}

else if (kd\_paket=='I' || kd\_paket=='i')

{

nm\_mkn="Garang asem";

nm\_mnm="Es Kopi";

harga=20000;

}

else if (kd\_paket=='J' || kd\_paket=='j')

{

nm\_mkn="Sate kambing";

nm\_mnm="Jus Mangga";

harga=30000;

}

else

{

cout << "\t| Pilihan Tidak Tersedia, Silahkan Pilih Paket Dengan Benar !! |"<<endl;

cout << "\t--------------------------------------------\n";

goto paket;

}

cout<<endl;

cout<<"-=-=-=-= SKYWING RESTAURANT -=-=-=-"<<endl;

cout<<"-=-=-=- Jl. HS.Ronggo Waluyo =-=-=-"<<endl;

cout << "Nama Pelanggan : "<<nampel<<"\n";

cout << "Nama Makanan : "<<nm\_mkn<<"\n";

cout << "Nama Minuman : "<<nm\_mnm<<"\n";

cout << "Harga : Rp "<<harga<<"\n";

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

total=jum\_bel\*harga;

ppn=0.10\*total;

if (jum\_bel >= 5)

diskon=0.02\*harga\*jum\_bel;

else if (jum\_bel < 5)

diskon=0;

tobar=(total+ppn)-diskon;

cout << "Total Harga : Rp "<<total<<"\n";

cout << "PPN : Rp "<<ppn<<"\n";

cout << "Diskon : Rp "<<diskon<<"\n";

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

bayar:

cout << "Total Pembayaran : Rp "<<tobar<<"\n";

cout << "Uang Yang Dibayar : Rp ";

cin >> bayar;"\n";

if (bayar < tobar)

{

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout << "\tMaaf, Uang Anda Kurang !!!"<<endl;

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

goto bayar;

}

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

kembalian=bayar-tobar;

cout << "Kembalian : Rp "<<kembalian<<"\n";

cout << endl;

cout << "=========================================\n";

cout << endl;

cout << "TERIMA KASIH ATAS KUNJUNGAN ANDA, "<< nampel<<"!!"<<"\n";

cout << endl;

{

cout << "=========================================\n";

cout << "\nINGIN TRANSAKSI ULANG ? [Y/N] : ";

cin >> pilihan2;

switch(pilihan2)

{

case 'Y':

case 'y' :

goto awal;

break;

case'N':

case 'n' :

cout << endl << endl;

cout << "\t\t -=HATUR NUHUN=-";

break;

default:

cout << "PILIHAN SALAH !!!";

}

}

}