#include <iostream>

#include <conio.h>

#include <stdlib.h>

Using namespace std;

Struct Cars {

String mark [10] = {“Maruthi Suzuki”,”Hyundai”,”FORD”,”TATA”,”Toyota”,”Skoda”,”BMW”,”Mercedes-Benz”,”Audi”,};

String model [10]= {“swift Dzire(2017)”,”i20(2016)”,”EcoSport(2018)”,”Nexon XZA (2021)”,”Fortuner(2020)”,”Octavia(2019)”,”X5 SportxPlus (2021)”,”GLE 350d (2018)”,”A3(2022)”};

String color [10]={“WHITE”,”RED”,”BLUE”,”GREEN”,”BLACK”,”Silver”,”white”,”Black Metallic”,”Cosmos Blue”};

String maxs\_peed [10]={“100 Km/h “,”150 Km/h”,”150 Km/h”,”170 Km/h”,”130 Km/h”,”140 Km/h”,”130 Km/h”,”120 Km/h”,”150 Km/h”};

Int price [ 10 ] ={3000,2700,3500,4500,5000,3700,8000,8500,9000} ;

};

Struct Lessee {

String Name [10];

String Natio\_ID [10] ;

Int payment\_acc [ 10] ;

};

//Declaring struct

Cars car ;

Lessee lessee ;

//First output

Void Minu ()

{

Int num=1;

For(int i=0 ;i<9;++i)

{

Cout<<”\t\t\t”;

Cout<<”Enter “ <<num<<”\t- To Select “<<car.mark[i]<<endl;

Num++ ;

}

}

//Second output

Void Details (int theChoice)

{

System(“CLS”);

Cout<<”\n\n\n\t\t\t-----------------------------\n”;

Cout<<”\t\t\tYou Have Selected – “<<car.mark[theChoice-1]<<endl;

Cout<<”\t\t\t-----------------------------\n\n\n”;

Cout<<”\t\t\tModel : “<<car.model[theChoice-1]<<endl;

Cout<<”\t\t\tColor : “<<car.color[theChoice-1]<<endl;

Cout<<”\t\t\tMaximum Speed : “<<car.maxs\_peed[theChoice-1]<<endl;

Cout<<”\t\t\tPrice : “<<”Rs.”<<car.price[theChoice-1]<<” only/day”<<endl;

}

//check lessee credit

Void check (int j )

{

If(lessee.payment\_acc[j] >= car.price[j])

Cout<<”\n\n\n\t\t\tProcess has been done successfully!! “<<”\n\t\t\tCongratulations! You CAR is Booked… “ <<endl;

Else

Cout<<”\n\n\n\t\t\tNot Available “ <<endl;

}

//User Input for personal details

Void user\_input (int theChoice)

{

System(“CLS”);

Int j=theChoice-1 ;

Cout<<”\t\t\t----------------------------------------\n”;

Cout<<”\t\t\tPlease Provide Your Personal Details : \n”;

Cout<<”\t\t\t----------------------------------------\n\n”;

Cout<<”\n\tNOTE:- PROVIDE FIRST NAME ONLY, DO NOT ENTER SPACE WHILE PROVIDING NAME.\n\tPAYMENT WON’T PROCEED IF THE GIVEN AMOUNT IS LESS THEN THE RATE OF CAR\n\n\n\n”;

Cout<<”\t\t\tEnter Your Name :- “;

Cin>>lessee.Name[j];

Cout<<”\t\t\tEnter Your National ID :- “;

Cin>>lessee.Natio\_ID[j] ;

Cout<<”\t\t\tPayment Amount: “ ;

Cin>>lessee.payment\_acc[j] ;

Check( j ) ;

}

Int main()

{

Int login();

Login();

String decide =”yes” ;

Cout<<”\t\t\t----------------------------------------------\n”;

Cout<<”\t\t\t\t CPP SQUAD CAR RENTALS \n”;

Cout<<”\t\t\tWelcome to Our RENTAL SERVICE : “<<endl;

Cout<<”\t\t\tPlease Choose your CAR from the menu : “<<endl;

Cout<<”\t\t\t----------------------------------------------\n”;

While(decide!=”exit”)

{

Minu();

Cout<<”\n\n\n\t\t\tYour Choice: “;

Int theChoice ;

Cin>>theChoice ;

Details(theChoice);

Cout<<”\n\n\n\t\t\tAre You Sure, you want to rent this Car? (yes /no /exit ) : “;

Cin>>decide ;

If(decide==”yes”) {

User\_input(theChoice);

Cout<<”\n\n\t\t\tDo you want to continue ?(yes/no) “;

Cin>>decide;

If (decide==”no”) break ;

System(“CLS”);

}

Else {

If(decide==”no”)

{

System(“CLS”);

Continue ;

}

Else if (decide==”exit”)

{

System(“CLS”);

Cout<<”\n\n\n\t\t\tThank you for your Visit”;

Break ;

}

}

}

Return 0;

}

//user input for login

Int login(){

String pass =””;

Char ch;

Cout<<”\n\t\t\t\t\t-----------------------\n”;

Cout <<”\t\t\t\t\t CPP SQUAD CAR RENTALS “;

Cout<<”\n\t\t\t\t\t-----------------------\n”;

Cout <<”\n\n\n\n\n\n\t\t\t\t\t Please Login with Password “;

Cout << “\n\n\n\t\t\t\t\t Enter Password: “;

Ch = \_getch();

While(ch != 13){//character 13 is enter

Pass.push\_back(ch);

Cout << ‘\*’;

Ch = \_getch();

}

If(pass == “0000”){

Cout<<”\n\n\n\n\t\t\t\t-------------------------------------------------\n”;

Cout << “\t\t\t\t Access Granted! Welcome To Our RENTAL SERVICES \n”;

Cout<<”\t\t\t\t-------------------------------------------------\n”;

System(“PAUSE”);

System(“CLS”);

}else{

Cout << “\n\n\n\n\t\t\t\t\tAccess Aborted…Please Try Again!!\n”;

System(“PAUSE”);

System(“CLS”);

Login();

}

}