(C++) code

//all.h

```cpp
#pragma once
class all
{
public:
        void pv_acc();
        void login_p();
        void login();
        void registration();
        void forgot();
        void home_p();
        void services();
        void about_us();
        void customer_support();
        void feedback();
        void car_p();
        void luxury();
        void exotics();
        void electrical();
        void mini_car();
        void suv();
        void sedan();
        void r_date();
        void moneyProcces();
        void MyBooks();
        int day(int d, int m, int y);
        int month(int m, int y);
        int year(int y);
        bool leapyear(int y);
        void counter(int d, int m, int y, int* dd, int* mm, int* yy, int day);
};
```

```cpp
//all.cpp
#include "all.h"
#include<string>
#include <fstream>
#include<iostream>
using namespace std;
ofstream f1("signup.txt", ios::app);
ofstream f2("receive.txt", ios::app);
ofstream f3("return.txt", ios::app);
ofstream f4("carname.txt", ios::app);
ofstream f5("login.txt", ios::app);
ofstream f6("previousaccount.txt", ios::app);
int ch, price = 0, days;
string car_name;

void all::pv_acc()
{
        string pid, ppass;
        ifstream f1("signup.txt");
        while (f1 >> pid >> ppass)
        {
                ofstream f6("previousaccount.txt");
                f6 << pid << endl << ppass;
                f6.close();
        }
        f1.close();

}
```

```cpp
void all::login_p()

{

        system("cls");
        cout << "\t\t\tLogin Page\t\t\t\n";
        cout << "\t\t\t  Menu\t\t\t\n";
        cout << "\t1-SIGNIN\n\t2-SIGNUP\n\t3-FORGOT PASSWOWRD\n\t4-EXIT\n";

        do {
                cout << "\tChoice:";
                cin >> ch;

                if (cin.fail())
                {
                        cin.clear();
                        cin.ignore(132, '\n');
                        cout << "\tNOT A NUMBER!!!!";
                        continue;
                }

                switch (ch)
                {
                case 1: login();
                        break;
                case 2: registration();
                        break;
                case 3: forgot();
                        break;
```

```cpp
                case 4: cout << "\t\t\tBYE:)";

                        break;

                default: cout << "\t\t\tNOT RECOGNIZED";

                        continue;

                }


                break;

        } while (true);


}


void all::registration()
{


        cin.ignore();

        int rcard_num, rcard_day, rcard_month, rcard_year;

        string ruserId, rPassword, rcard_name, rid, rpass;

        system("cls");

        cout << "\t\t\tLogin Page\t\t\t\n";

        cout << "\t\t\t  SIGNUP\t\t\t\n\n\n";

        cout << "\tEmail:"; getline(cin, ruserId);

        cout << "\tPassword:"; getline(cin, rPassword);

        cout << "\tCard Holder Name:"; getline(cin, rcard_name);

        cout << "\tCard Number:"; cin >> rcard_num;

        if (cin.fail())

        {

                system("cls");

                cin.clear();

                cin.ignore(132, '\n');
```

```cpp
		cout << "\t\tNUMBER ERROR!!!!";

		cin.ignore();

		cin.get();

		registration();

}

else

{

		cout << "\tCard Expiry Date(d/m/y):"; cin >> rcard_day >> rcard_month >> rcard_year;

		if (day(rcard_day, rcard_month, rcard_year) == 1)

		{

				ofstream f1("signup.txt");

				f1 << ruserId << endl << rPassword << endl;

				f1.close();

				system("cls");

				cout << "\t\tRegistration Successfull!\n";

				cin.ignore();

				cin.get();

				system("cls");

				login_p();


		}

		else if (day(rcard_day, rcard_month, rcard_year) == 2)

		{

				system("cls");

				cout << "\t\tINVALID DATE PLEASE TRY AGIAN\n\n";

				cin.ignore();

				cin.get();

				system("cls");

				registration();
```

```cpp
			}
			else
			{
					system("cls");

					cout << "\t\tCARD EXPIRED PLEASE TRY AGIAN\n\n";

					cin.ignore();

					cin.get();

					system("cls");

					registration();
			}
		}


}

void all::login()
{
		cin.ignore();

		int count{};

		string userId, Password, id, pass;

		system("cls");

		cout << "\t\t\tLogin Page\t\t\t\n";

		cout << "\t\t\t  SIGNIN\t\t\t\n\n\n";

		cout << "\tEmail:"; getline(cin, userId);

		cout << "\tPassword:"; getline(cin, Password);

		ifstream input("signup.txt");

		while (input >> id >> pass)
		{
				if (id == userId && pass == Password)
				{
```

```cpp
				ofstream f5("login.txt");

				f5 << id << endl << pass << endl;

				f5.close();

				count = 1;

				system("cls");

			}

		}

		input.close();

		if (count == 1)

		{


			cout << "\t\t\tLOGIN SUCCESSFULL!";

			cin.ignore();

			cin.get();

			system("cls");

			home_p();

		}

		else

		{

			cout << "\t\t\tPassword or Username Error!!";

			cin.ignore();

			cin.get();

			system("cls");

			login_p();

		}

}


void all::forgot()

{
```

```cpp
cin.ignore();

int count = 0;

string fuserId, fid, fpass;

cout << "\t\t\tEnter Your Username:"; getline(cin, fuserId);

ifstream f2("signup.txt");

while (f2 >> fid >> fpass)

{

        if (fid == fuserId)

        {

                count = 1;

        }

}

f2.close();

if (count == 1)

{

        cout << "\t\t\tYour Password:" << fpass;

        cin.ignore();

        cin.get();

        system("cls");

        login_p();

}

else

{

        cout << "\t\t\tAccount not Found!!\n\t\t\tPlease Register First";

        cin.ignore();

        cin.get();

        system("cls");

        login_p();

}
```

```cpp
}


void all::home_p()

{

        system("cls");

        cout << "\t\t\tWHEELS\n\n\n";

        cout << "\t\t    HOME PAGE\n";

        cout << "\t\t      MENU\n\n";

        cout << "\t1-SERVICES\n\t2-CUSTOMER SUPPORT\n\t3-ABOUT US\n\t4-FEEDBACK\n\t5-MyBooks\n\t6-LOGOUT\n\t7-EXIT\n";


        do {

                cout << "\tChoice:";

                cin >> ch;


                if (cin.fail())

                {

                        cin.clear();

                        cin.ignore(132, '\n');

                        cout << "\tNOT A NUMBER!!!!";

                        continue;

                }


                switch (ch)

                {

                case 1: services();

                        break;

                case 2: customer_support();

                        break;
```

```cpp
				case 3: about_us();

					break;

				case 4: feedback();

					break;

				case 5: MyBooks();

					break;

				case 6: system("cls");

					login_p();

					break;

				case 7: cout << "\tBYE:)";

					break;

				default: cout << "\tNOT RECOGNIZED";

					continue;

				}


			break;

		} while (true);


}


void all::services()

{

	car_p();

}


void all::about_us()

{

	system("cls");;

	cout << "\t\t\tWHEELS\n\n\n\t\tYour Trusted Travel Partner\n\n\n\n";
```

```cpp
        cout << "Cruise craft is a leading provider of short-term and long-term car rentals.\nEstablished in 2000,we have been serving the needs of both ";

        cout << "individuals and businesses with our diverse range of vehicles including cars,SUVs,and vans.\nOur commitment to providing excellent ";

        cout << "customer service, convenient booking options, and competitive pricing has made us the preferred choice for customers throughout Egypt.\n";

        cout << "At Car Rental Egypt, we understand that your journey is important to you.\nThat's why we go above and beyond to ensure a hassle-free rental";

        cout << " experience so that you can focus on making the most of your trip.\nWhether you're traveling for business or pleasure, we have the perfect rental solution for you.\n";

        cout << "Contact us today to learn more about our services and how we can help make your journey a success.\n\n\n";

        cout << "\t1 - BACK\n\t2 - EXIT";

        do {

                cout << "\n\tCHOICE:";

                cin >> ch;


                if (cin.fail())

                {

                        cin.clear();

                        cin.ignore(132, '\n');

                        cout << "\tNOT A NUMBER!!!!";

                        continue;

                }


                switch (ch)

                {

                case 1: system("cls");

                        home_p();

                        break;

                case 2: cout << "\tBYE:)";
```

```cpp
				break;

			default: cout << "\tNOT RECOGNIZED!!!";

					continue;

			}


			break;

		} while (true);



}



void all::customer_support()

{

	system("cls");

	cout << "\t\t\tCUSTOMER SUPPORT\n\n\n";

	cout <<
"\tMAIL:\n\tWHEELS.c@gmail.com\n\tNUMBERS:\n\tPHONES:\n\t01002266789\n\t01111222233\n\tH
OTLINE:\n\t19004\n\n\t1-BACK\n\t2-EXIT";

	do {

		cout << "\n\tChoice:";

		cin >> ch;


		if (cin.fail())

		{

			cin.clear();

			cin.ignore(132, '\n');

			cout << "\tNOT A NUMBER!!!!";

			continue;

		}
```

```cpp
            switch (ch)
            {
            case 1: system("cls");
                    home_p();
                    break;
            case 2: cout << "\tBYE:)";
                    break;
            default: cout << "\tNOT RECOGNIZED!!!";
                     cin.ignore();
                     cin.get();
                     continue;
            }

            break;
        } while (true);

}

void all::feedback()
{
        string  fb;
        int ch;
        cin.ignore();
        system("cls");
        cout << "\t\tYOUR FEEDBACK:\n\t\t";
        getline(cin, fb);
        cout << "\t\tTHANK YOU FOR YOUR FEEDBACK:)\n\t\t1-BACK\n\t\t2-EXIT";
        do {
```

```cpp
			cout << "\n\t\tChoice:";

			cin >> ch;


			if (cin.fail())

			{

					cin.clear();

					cin.ignore(132, '\n');

					cout << "\t\tNOT A NUMBER!!!!";

					continue;

			}


			switch (ch)

			{

			case 1: system("cls");

					home_p();

					break;

			case 2: cout << "\t\tBYE:)";

					break;

			default: cout << "\t\tNOT RECOGNIZED!!!";

					cin.ignore();

					cin.get();

					continue;

			}


			break;

	} while (true);


}
```

```cpp
void all::car_p()

{

        system("cls");

        cout << "\t\t\t  WHEELS\n\n\n";

        cout << "\t\t\tCAR EXHIBIT\n\t\t\t   MENU\n\n\n  ";

        cout << "\t1-LUXURY\n\t2-EXOTICS\n\t3-ELECTRICAL\n\t4-SUV\n\t5-SEDAN\n\t6-MINI
CAR\n\t7-BACK\n\t8-EXIT";

        do {

                cout << "\n\tChoice:";

                cin >> ch;


                if (cin.fail())

                {

                        cin.clear();

                        cin.ignore(132, '\n');

                        cout << "\tNOT A NUMBER!!!!";

                        continue;

                }


                switch (ch)

                {

                case 1: luxury();

                        break;

                case 2: exotics();

                        break;

                case 3: electrical();

                        break;

                case 4: suv();
```

```cpp
                break;
        case 5: sedan();
                break;
        case 6: mini_car();
                break;
        case 7: home_p();
                break;
        case 8: cout << "\tBYE:)";
                break;
        default: cout << "\tNOT RECOGNIZED!!!";
                continue;
        }

        break;
    } while (true);
}


void all::luxury()
{
    system("cls");
    cout << "\t\t\t  WHEELS\n\n\n";
    cout << "\t\t\tCAR EXHIBIT\n\t\t\t  LUXURY\n\n\n  ";
    cout << "\t1-ROLLS ROYCE CULLINAN (3800$/Day)\n\t2-MERCEDES S680(2800$/Day)\n\t3-BENTLEY FLYING SPUR(3000$/Day)\n\t4-BACK";
    do {
        cout << "\n\tChoice:";
        cin >> ch;

        if (cin.fail())
```

```cpp
{
        cin.clear();

        cin.ignore(132, '\n');

        cout << "\tNOT A NUMBER!!!!";

        continue;
}


switch (ch)

{

case 1: {

        price = 3800;

        car_name = "ROLLS ROYCE CULLINAN";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;
}

case 2: {

        price = 2800;

        car_name = "MERCEDES S680";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;
}

case 3: {

        price = 3000;
```

```cpp
                  car_name = "BENTLEY FLYING SPUR";

                  ofstream f4("carname.txt");

                  f4 << car_name;

                  f4.close();

                  moneyProcces();

                  break;

            }

            case 4: car_p();

                  break;

            default: cout << "\tNOT RECOGNIZED!!!";

                  continue;

            }


            break;

      } while (true);


}


void all::exotics()

{

      system("cls");

      cout << "\t\t\t  WHEELS\n\n\n";

      cout << "\t\t\tCAR EXHIBIT\n\t\t\t EXOTICS\n\n\n  ";

      cout << "\t1-FERRARI F40(15000$/Day)\n\t2-FERRARI LA FERRARI(20000$/Day)\n\t3-
LAMBORGHINI AVENTADOR SVJ(10000$/Day)\n\t4-BACK";

      do {

            cout << "\n\tChoice:";

            cin >> ch;
```

```cpp
if (cin.fail())

{

        cin.clear();

        cin.ignore(132, '\n');

        cout << "\tNOT A NUMBER!!!!";

        continue;

}


switch (ch)

{

case 1: {

        price = 15000;

        car_name = "FERRARI F40";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 2: {

        price = 20000;

        car_name = "FERRARI LA FERRARI";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 3: {
```

```cpp
                            price = 10000;

                            car_name = "LAMBORGHINI AVENTADOR SVJ";

                            ofstream f4("carname.txt");

                            f4 << car_name;

                            f4.close();

                            moneyProcces();

                            break;

                    }

                    case 4: car_p();

                            break;

                    default: cout << "\tNOT RECOGNIZED!!!";

                            continue;

                    }


                    break;

        } while (true);

}


void all::electrical()

{

        system("cls");

        cout << "\t\t\t  WHEELS\n\n\n";

        cout << "\t\t\tCAR EXHIBIT\n\t\t\t ELECTRICAL\n\n\n  ";

        cout << "\t1-TESLA MODEL X(1000$/Day)\n\t2-BYD SEAL(1100$/Day)\n\t3-XIAOMI
SU7(900$/Day)\n\t4-BACK";

        do {

                cout << "\n\tChoice:";

                cin >> ch;
```

```cpp
if (cin.fail())

{

        cin.clear();

        cin.ignore(132, '\n');

        cout << "\tNOT A NUMBER!!!!";

        continue;

}


switch (ch)

{

case 1: {

        price = 1000;

        car_name = "TESLA MODEL X";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 2: {

        price = 1100;

        car_name = "BYD SEAL";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 3: {
```

```cpp
                    price = 900;

                    car_name = "XIAOMI SU7";

                    ofstream f4("carname.txt");

                    f4 << car_name;

                    f4.close();

                    moneyProcces();

                    break;

            }

            case 4: car_p();

                    break;

            default: cout << "\tNOT RECOGNIZED!!!";

                    continue;

            }


            break;

    } while (true);

}


void all::mini_car()

{

    system("cls");

    cout << "\t\t\t  WHEELS\n\n\n";

    cout << "\t\t\tCAR EXHIBIT\n\t\t\t  MINI CAR\n\n\n  ";

    cout << "\t1-HUYNDAI I10(200$/Day)\n\t2-MINI COOPER(850$/Day)\n\t3-VOLKSWAGEN
BEETLES(700$/Day)\n\t4-BACK";

    do {

            cout << "\n\tChoice:";

            cin >> ch;
```

```cpp
if (cin.fail())

{

        cin.clear();

        cin.ignore(132, '\n');

        cout << "\tNOT A NUMBER!!!!";

        continue;

}


switch (ch)

{

case 1: {

        price = 200;

        car_name = "HUYNDAI I10";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 2: {

        price = 850;

        car_name = "MINI COOPER";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 3: {
```

```cpp
                    price = 700;

                    car_name = "VOLKSWAGEN BEETLES";

                    ofstream f4("carname.txt");

                    f4 << car_name;

                    f4.close();

                    moneyProcces();

                    break;

              }

              case 4: car_p();

                    break;

              default: cout << "\tNOT RECOGNIZED!!!";

                    continue;

              }


              break;

       } while (true);

}


void all::suv()

{

       system("cls");

       cout << "\t\t\t  WHEELS\n\n\n";

       cout << "\t\t\tCAR EXHIBIT\n\t\t\t    SUV\n\n\n  ";

       cout << "\t1-RANGE ROVER(1200$/Day)\n\t2-TIGO 7PRO8(1500$/Day)\n\t3-VOLKWAGEN
TIGWAN(600$/Day)\n\t4-BACK";

       do {

              cout << "\n\tChoice:";

              cin >> ch;
```

```cpp
if (cin.fail())

{

        cin.clear();

        cin.ignore(132, '\n');

        cout << "\tNOT A NUMBER!!!!";

        continue;

}


switch (ch)

{

case 1: {

        price = 1200;

        car_name = "RANGE ROVER";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 2: {

        price = 1500;

        car_name = "TIGO 7PRO8";

        ofstream f4("carname.txt");

        f4 << car_name;

        f4.close();

        moneyProcces();

        break;

}

case 3: {
```

```cpp
                    price = 600;

                    car_name = "VOLKWAGEN TIGWAN";

                    ofstream f4("carname.txt");

                    f4 << car_name;

                    f4.close();

                    moneyProcces();

                    break;

            }

            case 4: car_p();

                    break;

            default: cout << "\tNOT RECOGNIZED!!!";

                    continue;

            }


            break;

        } while (true);

}


void all::sedan()

{

        system("cls");

        cout << "\t\t\t  WHEELS\n\n\n";

        cout << "\t\t\tCAR EXHIBIT\n\t\t\t  SEDAN\n\n\n  ";

        cout << "\t1-TYOTA CROLLA(200$/Day)\n\t2-KIA RIO(70$/Day)\n\t3-NISSAN
SENTRA(150$/Day)\n\t4-BACK";

        do {

                cout << "\n\tChoice:";

                cin >> ch;
```

```cpp
if (cin.fail())
{
        cin.clear();
        cin.ignore(132, '\n');
        cout << "\tNOT A NUMBER!!!!";
        continue;
}

switch (ch)
{
case 1: {
        price = 200;
        car_name = "TYOTA CROLLA";
        ofstream f4("carname.txt");
        f4 << car_name;
        f4.close();
        moneyProcces();
        break;
}
case 2: {
        price = 70;
        car_name = "KIA RIO";
        ofstream f4("carname.txt");
        f4 << car_name;
        f4.close();
        moneyProcces();
        break;
}
case 3: {
```

```cpp
					price = 150;

					car_name = "NISSAN SENTRA";

					ofstream f4("carname.txt");

					f4 << car_name;

					f4.close();

					moneyProcces();

					break;

			}

			case 4: car_p();

					break;

			default: cout << "\tNOT RECOGNIZED!!!";

					continue;

			}


			break;

		} while (true);

}


void all::r_date()

{

		int rddate, rmdate, rydate, cddate, cmdate, cydate;

		system("cls");

		cout << "\t\t\t  WHEELS\n\n\n";

		cout << "\t\t\t CHECKOUT\n\t\t\t   MENU\n\n\n  ";

		cout << "\tPlease Enter:\n\tDay:"; cin >> rddate;

		cout << "\tMonth:"; cin >> rmdate;

		cout << "\tYear:"; cin >> rydate;

		if (day(rddate, rmdate, rydate) == 1)

		{
```

```cpp
		ofstream f1;

		f1.open("receive.txt");

		f1 << rddate << " " << rmdate << " " << rydate;

		f1.close();

		cout << "\tEnter Duration in Days:"; cin >> days;

		counter(rddate, rmdate, rydate, &cddate, &cmdate, &cydate, days);

		ofstream Return;

		Return.open("return.txt");

		Return << cddate << " " << cmdate << " " << cydate;

		Return.close();


}
else if (day(rddate, rmdate, rydate) == 2)
{

		system("cls");

		cout << "\t\tINVALID DATE PLEASE TRY AGIAN\n\n";

		cin.ignore();

		cin.get();

		system("cls");

		moneyProcces();
}
else
{

		system("cls");

		cout << "\t\tINVALID DATE PLEASE TRY AGIAN\n\n";

		cin.ignore();

		cin.get();

		system("cls");

		moneyProcces();
```

```cpp
		}
}


void all::moneyProcces()
{
		r_date();
		int d, m, y, ch2;
		ifstream r1("receive.txt");
		while (r1 >> d >> m >> y)
		{
				cout << "\tReceive Date:" << d << "/" << m << "/" << y << endl;
		}
		r1.close();
		cout << "\tTime:9:00AM\n";
		ifstream r2("return.txt");
		while (r2 >> d >> m >> y)
		{
				cout << "\tRetun Date:" << d << "/" << m << "/" << y << endl;
		}
		r2.close();
		cout << "\tTime:9:00AM\n";
		cout << "\tTotal Price:" << price * days << "$" << endl;
		cout << "\tConfirm:\n\t1-YES\n\t2-NO";
		do {
				cout << "\n\tChoice:";
				cin >> ch;

				if (cin.fail())
				{
```

```cpp
			cin.clear();

			cin.ignore(132, '\n');

			cout << "\tNOT A NUMBER!!!!";

			continue; // Skip the rest of the loop and start over

	}


	switch (ch)

	{

	case 1: {

			pv_acc();

			system("cls");

			cout << "\t\t\tBOOKING SUCCESSFULL!!!";

			cin.ignore();

			cin.get();

			home_p();

			break;

	}

	case 2: {

			price = 0;

			cout << "\t1-HOME\n\t2-BACK\n\t3-EXIT\n\tCHOICE:";

			cin >> ch2;

			do {

					if (cin.fail())

					{

							cin.clear();

							cin.ignore(132, '\n');

							cout << "\tNOT A NUMBER!!!!";

							continue;

					}
```

```cpp
				} while (cin.fail());

				switch (ch2)

				{

				case 1: home_p();

						break;

				case 2: car_p();

						break;

				case 3: cout << "\t\tBYE:)";

						break;

				default: cout << "\tNOT RECOGNIZED!!!";

						continue;

				}

				break;

			}

			default: cout << "\tNOT RECOGNIZED!!!";

					continue;

			}


			break;

		} while (true);

}


void all::MyBooks()

{

		int count = 0;

		string fid, fpass, cid, cpass;

		system("cls");

		ifstream f6("previousaccount.txt");

		while (f6 >> fid >> fpass && count != 1)
```

```
{
        ifstream f5("login.txt");
        while (f5 >> cid >> cpass)
        {
                if (fid == cid && fpass == cpass)
                {
                        count = 1;
                        break;
                }
                else
                {
                        count = 0;
                }
        }
        f5.close();
        if (count == 1) break;
}
f2.close();

if (count == 0)
{
        cout << "\t\tTHERE IS NO BOOKS YET!!!";
        cin.ignore();
        cin.get();
        home_p();

}
else
{
```

```cpp
cin.ignore();

int d, m, y, ch2;

string car_n;

cout << "\t\t\t  WHEELS\n\n\n";

cout << "\t\t\t MYBOOKS\n\n\n  ";

ifstream f4("carname.txt");

while (std::getline(f4, car_n)) {

        std::cout << "\tYour Car:" << car_n << ' ';

}

f4.close();

ifstream r1("receive.txt");

while (r1 >> d >> m >> y)

{

        cout << "\n\tReceive Date:" << d << "/" << m << "/" << y << endl;

}

r1.close();

cout << "\tTime:9:00AM\n";

ifstream r2("return.txt");

while (r2 >> d >> m >> y)

{

        cout << "\tRetun Date:" << d << "/" << m << "/" << y << endl;

}

r2.close();

cout << "\tTime:9:00AM\n";

cout << "\t1-HOME\n\t2-EXIT";

do {

        cout << "\n\tChoice:";

        cin >> ch;
```

```cpp
				if (cin.fail())
				{
						cin.clear();
						cin.ignore(132, '\n');
						cout << "\tNOT A NUMBER!!!!";
						continue;
				}

				switch (ch)
				{
				case 1: home_p();
						break;
				case 2: cout << "\tBYE:)";
						break;
				default: cout << "\tNOT RECOGNIZED!!!";
						continue;
				}

				break;
		} while (true);

	}
}

int all::day(int d, int m, int y)
{
	if (cin.fail())
	{
		cin.clear();
```

```cpp
            cin.ignore(132, '\n');

            return 0;

    }

    else

    {

            if (month(m, y) == 1 || month(m, y) == 2)

            {

                    int maxday;

                    if (m == 4 || m == 6 || m == 9 || m == 11)

                    {

                            maxday = 30;

                    }

                    else if (m == 2 && leapyear(y))

                    {

                            maxday = 29;

                    }

                    else if (m == 2 && !leapyear(y))

                    {

                            maxday = 28;

                    }

                    else

                    {

                            maxday = 31;

                    }

                    if (d >= 1 && d <= maxday)

                    {

                            return 1;

                    }

                    else if (d<1 || d>maxday)
```

```cpp
				{
					return 2;
				}
				else
				{
					return 0;
				}
			}
			else
			{
				return 0;
			}
		}

}

int all::month(int m, int y)
{
	if (cin.fail())
	{
		cin.clear();
		cin.ignore(132, '\n');
		return 0;
	}
	else {
		if (m >= 1 && m <= 12)
		{
			if (year(y) == 1)
			{
```

```cpp
				if (m >= 6)

				{

						return 1;

				}

				else

				{

						return 0;

				}

			}

			else if (year(y) == 2)

			{

					return 2;

			}

			else

			{

					return 0;

			}

		}

		else

		{

			return 0;

		}

	}

}


int all::year(int y)

{

	if (cin.fail())

	{
```

```cpp
                    cin.clear();

                    cin.ignore(132, '\n');

                    return 0;

            }

            else

            {

                    if (y == 2024)

                    {

                            return 1;

                    }

                    else if (y > 2024 && y <= 2034)

                    {

                            return 2;

                    }

                    else

                    {

                            return 0;

                    }


            }

}


bool all::leapyear(int y)

{

        return ((y % 4 == 0 && y % 100 != 0 || y % 400 == 0));

}


void all::counter(int d, int m, int y, int* dd, int* mm, int* yy, int day)

{
```

```
int maxday;
if (m == 4 || m == 6 || m == 9 || m == 11)
{
        maxday = 30;
}
else if (m == 2 && leapyear(y))
{
        maxday = 29;
}
else if (m == 2 && !leapyear(y))
{
        maxday = 28;
}
else
{
        maxday = 31;
}
for (int i = 0; i < day; i++)
{
        d++;
        if (d > maxday)
        {
                d = 1;
                if (m > 12)
                {
                        m = 1;
                        y++;
                }
                else
```

```
                    {
                            m++;
                    }
            }
    }
    *dd = d;
    *mm = m;
    *yy = y;
}
```

```cpp
//Main.cpp

#include "all.h"
#include<string>
#include <fstream>
#include<iostream>
using namespace std;
int main()
{
        all a;
        a.login_p();
        return 0;
}
```

Website code

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Wheels - Where Every Mile is a Smile! </title>


  <!--

    - icon

  -->

  <link rel="shortcut icon" href="./icon.png" type="image/png+xml">


  <!--

    - custom css link

  -->

  <link rel="stylesheet" href="./assets/css/style.css">


  <!--

    - google font link

  -->

  <link rel="preconnect" href="https://fonts.googleapis.com">

  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

  <link
href="https://fonts.googleapis.com/css2?family=Nunito:wght@400;600&family=Open+Sans&display=sw
ap"

    rel="stylesheet">

</head>
```

```html
<body>

<!--
  - #HEADER
-->

<header class="header" data-header>
  <div class="container">

    <div class="overlay" data-overlay></div>

    <a href="#" class="logo">
      <img src="./assets/images/logo.png" alt="wheels logo">
    </a>

    <nav class="navbar" data-navbar>
      <ul class="navbar-list">

        <li>
          <a href="#home" class="navbar-link" data-nav-link>Home</a>
        </li>

        <li>
          <a href="#featured-car" class="navbar-link" data-nav-link>Explore cars</a>
        </li>

        <li>
          <a href="#about" class="navbar-link" data-nav-link>About us</a>
```

```html
        </li>

      </ul>
    </nav>

    <div class="header-actions">

      <a href="#featured-car" class="btn" aria-labelledby="aria-label-txt">
        <ion-icon name="car-outline"></ion-icon>

        <span id="aria-label-txt">Explore cars</span>
      </a>

      <a href="#" class="btn user-btn" aria-label="Profile">
        <ion-icon name="person-outline"></ion-icon>
      </a>

    </div>
  </div>
</header>

<main>
  <article>

    <!--
    - #HERO
    -->
```

```html
<section class="section hero" id="home">

  <div class="container">

    <div class="hero-content">

      <h2 class="h1 hero-title">The first exotic car rental website in Egypt</h2>

      <p class="hero-text">

        Premium automotive heaven just as far as a click

      </p>

    </div>

    <div class="hero-banner"></div>

  </div>

</section>


<!--
- #FEATURED CAR
-->


<section class="section featured-car" id="featured-car">

  <div class="container">


    <div class="title-wrapper">

      <h2 class="h2 section-title">Our Cars</h2>


      <a href="#" class="featured-car-link">

        <span>View more</span>

        <ion-icon name="arrow-forward-outline"></ion-icon>

      </a>

    </div>


    <ul class="featured-car-list">
```

```html
<li>
  <div class="featured-car-card">

    <figure class="card-banner">
      <img src="./assets/images/car-1.webp" alt="Bentley flying spur 2021" loading="lazy"
width="440" height="300"
        class="w-100">
    </figure>

    <div class="card-content">

      <div class="card-title-wrapper">
        <h3 class="h3 card-title">
          <a href="#">Bentley flying spur</a>
        </h3>

        <data class="year" value="2021">2021</data>
      </div>

      <ul class="card-list">

        <li class="card-list-item">
          <ion-icon name="people-outline"></ion-icon>

          <span class="card-item-text">4 People</span>
        </li>

        <li class="card-list-item">
```

```html
      <ion-icon name="flash-outline"></ion-icon>

      <span class="card-item-text">Hybrid</span>
   </li>

   <li class="card-list-item">
      <ion-icon name="speedometer-outline"></ion-icon>

      <span class="card-item-text">5.3km / 1-litre</span>
   </li>

   <li class="card-list-item">
      <ion-icon name="hardware-chip-outline"></ion-icon>

      <span class="card-item-text">Automatic</span>
   </li>

</ul>

<div class="card-price-wrapper">

   <p class="card-price">
      <strong>40,000EGP</strong> / Day
   </p>

   <button class="btn fav-btn" aria-label="Add to favourite list">
      <ion-icon name="heart-outline"></ion-icon>
   </button>
```

```html
          <button class="btn">Rent now</button>
        </div>
      </div>
    </div>
  </li>


  <li>
    <div class="featured-car-card">


      <figure class="card-banner">
        <img src="./assets/images/car-2.webp" alt="BMW M8 competition" loading="lazy"
width="440" height="300"
          class="w-100">
      </figure>


      <div class="card-content">


        <div class="card-title-wrapper">
          <h3 class="h3 card-title">
            <a href="#">BMW M8 competition</a>
          </h3>


          <data class="year" value="2019">2022</data>
        </div>


        <ul class="card-list">


          <li class="card-list-item">
            <ion-icon name="people-outline"></ion-icon>
```

```
      <span class="card-item-text">2 People</span>
    </li>


    <li class="card-list-item">
      <ion-icon name="flash-outline"></ion-icon>


      <span class="card-item-text">Gasoline</span>
    </li>


    <li class="card-list-item">
      <ion-icon name="speedometer-outline"></ion-icon>


      <span class="card-item-text">7.6km / 1-litre</span>
    </li>


    <li class="card-list-item">
      <ion-icon name="hardware-chip-outline"></ion-icon>


      <span class="card-item-text">Automatic</span>
    </li>

</ul>

<div class="card-price-wrapper">


  <p class="card-price">
    <strong>7,800EGP</strong> / Day
  </p>
```

```html
              <button class="btn fav-btn" aria-label="Add to favourite list">

                <ion-icon name="heart-outline"></ion-icon>

              </button>


              <button class="btn">Rent now</button>


          </div>


        </div>

      </li>


      <li>

        <div class="featured-car-card">


          <figure class="card-banner">

            <img src="./assets/images/car-3.jpg" alt="Volkswagen T-Cross 2020" loading="lazy" width="440"

                 height="300" class="w-100">

          </figure>


          <div class="card-content">


            <div class="card-title-wrapper">

              <h3 class="h3 card-title">

                <a href="#">Volkswagen T-Cross</a>

              </h3>
```

```html
    <data class="year" value="2020">2020</data>
</div>

<ul class="card-list">

  <li class="card-list-item">
    <ion-icon name="people-outline"></ion-icon>

    <span class="card-item-text">4 People</span>
  </li>

  <li class="card-list-item">
    <ion-icon name="flash-outline"></ion-icon>

    <span class="card-item-text">Gasoline</span>
  </li>

  <li class="card-list-item">
    <ion-icon name="speedometer-outline"></ion-icon>

    <span class="card-item-text">5.3km / 1-litre</span>
  </li>

  <li class="card-list-item">
    <ion-icon name="hardware-chip-outline"></ion-icon>

    <span class="card-item-text">Automatic</span>
  </li>
```

```html
          </ul>

          <div class="card-price-wrapper">

            <p class="card-price">
              <strong>3,200EGP</strong> / Day
            </p>

            <button class="btn fav-btn" aria-label="Add to favourite list">
              <ion-icon name="heart-outline"></ion-icon>
            </button>

            <button class="btn">Rent now</button>

          </div>

        </div>
      </li>

      <li>
        <div class="featured-car-card">

          <figure class="card-banner">
            <img src="./assets/images/car-4.jpg" alt="Volkswagen Tiguan 2022" loading="lazy" width="440"
              height="300" class="w-100">
```

```
</figure>

<div class="card-content">

    <div class="card-title-wrapper">
        <h3 class="h3 card-title">
            <a href="#">Volkswagen Tiguan</a>
        </h3>

        <data class="year" value="2022">2022</data>
    </div>

    <ul class="card-list">

        <li class="card-list-item">
            <ion-icon name="people-outline"></ion-icon>

            <span class="card-item-text">4 People</span>
        </li>

        <li class="card-list-item">
            <ion-icon name="flash-outline"></ion-icon>

            <span class="card-item-text">Gasoline</span>
        </li>

        <li class="card-list-item">
            <ion-icon name="speedometer-outline"></ion-icon>
```

```html
            <span class="card-item-text">8.7km / 1-litre</span>
          </li>


          <li class="card-list-item">
            <ion-icon name="hardware-chip-outline"></ion-icon>


            <span class="card-item-text">Automatic</span>
          </li>


        </ul>


        <div class="card-price-wrapper">


          <p class="card-price">
            <strong>5,400EGP</strong> / Day
          </p>


          <button class="btn fav-btn" aria-label="Add to favourite list">
            <ion-icon name="heart-outline"></ion-icon>
          </button>


          <button class="btn">Rent now</button>


        </div>


      </div>

  </li>
```

```html
<li>
  <div class="featured-car-card">

    <figure class="card-banner">
      <img src="./assets/images/car-5.jpg" alt="Lamborghini Aventador SVJ 2023" loading="lazy" width="440"
        height="300" class="w-100">
    </figure>

    <div class="card-content">

      <div class="card-title-wrapper">
        <h3 class="h3 card-title">
          <a href="#">Lamborghini Aventador SVJ</a>
        </h3>

        <data class="year" value="2023">2023</data>
      </div>

      <ul class="card-list">

        <li class="card-list-item">
          <ion-icon name="people-outline"></ion-icon>

          <span class="card-item-text">2 People</span>
        </li>

        <li class="card-list-item">
```

```html
        <ion-icon name="flash-outline"></ion-icon>

        <span class="card-item-text">Gasoline</span>
      </li>

      <li class="card-list-item">
        <ion-icon name="speedometer-outline"></ion-icon>

        <span class="card-item-text">4.6km / 1-litre</span>
      </li>

      <li class="card-list-item">
        <ion-icon name="hardware-chip-outline"></ion-icon>

        <span class="card-item-text">Automatic</span>
      </li>

    </ul>

    <div class="card-price-wrapper">

      <p class="card-price">
        <strong>35,000EGP</strong> / Day
      </p>

      <button class="btn fav-btn" aria-label="Add to favourite list">
        <ion-icon name="heart-outline"></ion-icon>
      </button>
```

```html
            <button class="btn">Rent now</button>


          </div>


        </div>
      </li>


      <li>
        <div class="featured-car-card">


          <figure class="card-banner">
            <img src="./assets/images/car-6.jpg" alt="Xiaomi SU7 2024" loading="lazy" width="440" height="300"
              class="w-100">
          </figure>


          <div class="card-content">


            <div class="card-title-wrapper">
              <h3 class="h3 card-title">
                <a href="#">Xiaomi SU7</a>
              </h3>


              <data class="year" value="2024">2024</data>
            </div>


            <ul class="card-list">
```

```html
<li class="card-list-item">
  <ion-icon name="people-outline"></ion-icon>

  <span class="card-item-text">4 People</span>
</li>

<li class="card-list-item">
  <ion-icon name="flash-outline"></ion-icon>

  <span class="card-item-text">Electrical</span>
</li>

<li class="card-list-item">
  <ion-icon name="speedometer-outline"></ion-icon>

  <span class="card-item-text">800km / charge</span>
</li>

<li class="card-list-item">
  <ion-icon name="hardware-chip-outline"></ion-icon>

  <span class="card-item-text">Automatic</span>
</li>

</ul>

<div class="card-price-wrapper">
```

```html
              <p class="card-price">
                 <strong>9,000EGP</strong> / Day
              </p>


              <button class="btn fav-btn" aria-label="Add to favourite list">
                 <ion-icon name="heart-outline"></ion-icon>
              </button>


              <button class="btn">Rent now</button>


           </div>


        </div>


     </div>
   </li>


   </ul>


   </div>
  </section>


  <!--
 - #GET START
-->


  <section class="section get-start">
    <div class="container">
```

```html
<h2 class="h2 section-title">Get started with 4 simple steps</h2>

<ul class="get-start-list">

  <li>
    <div class="get-start-card">

      <div class="card-icon icon-1">
        <ion-icon name="person-add-outline"></ion-icon>
      </div>

      <h3 class="card-title">Create a profile</h3>

      <p class="card-text">
        If you are going to use a passage of Lorem Ipsum, you need to be sure.
      </p>

      <a href="#" class="card-link">Get started</a>

    </div>
  </li>

  <li>
    <div class="get-start-card">

      <div class="card-icon icon-2">
        <ion-icon name="car-outline"></ion-icon>
      </div>
```

```html
            <h3 class="card-title">Tell us what car you want</h3>

            <p class="card-text">
                Various versions have evolved over the years, sometimes by accident, sometimes on
purpose
            </p>

          </div>
        </li>

        <li>
          <div class="get-start-card">

              <div class="card-icon icon-3">
                <ion-icon name="person-outline"></ion-icon>
              </div>

              <h3 class="card-title">Match with seller</h3>

              <p class="card-text">
                It to make a type specimen book. It has survived not only five centuries, but also the
leap into
                electronic
              </p>

          </div>
        </li>

        <li>
```

```html
                <div class="get-start-card">

                    <div class="card-icon icon-4">
                        <ion-icon name="card-outline"></ion-icon>
                    </div>

                    <h3 class="card-title">Make a deal</h3>

                    <p class="card-text">
                        There are many variations of passages of Lorem available, but the majority have
suffered alteration
                    </p>

                </div>
            </li>

        </ul>

    </div>
</section>


    <!--
    - #About Us
    -->

    <section class="section about" id="about">
        <div class="container">
```

```html
<h2 class="h2 section-title">About Us</h2>

<div class="about-content">

    <p style="text-align: justify;">

        <br>

        Welcome to Egypt's premier exotic car rental service, where luxury meets adventure on the open road. At WHEELS, we pride ourselves on being the first and foremost provider of exotic car rentals in Egypt. With a passion for high-performance vehicles and a commitment to unparalleled customer service, we offer an exclusive fleet of the most sought-after exotic cars on the market.

        <br><br>

        Our mission is to turn your driving dreams into reality by providing access to the most prestigious and exhilarating vehicles in the world. Whether you're looking to make a grand entrance at a special event, explore the scenic routes of Egypt in style, or simply experience the thrill of driving a top-tier luxury car, we have the perfect vehicle for you.

        <br><br>

        What sets us apart is not only our impressive selection of exotic cars but also our dedication to delivering a seamless and unforgettable rental experience. From the moment you contact us to the time you return the keys, our team is committed to ensuring your satisfaction every step of the way. We understand that renting an exotic car is more than just a transaction – it's an opportunity to create lasting memories and indulge in the ultimate driving experience.

        <br><br>

        Whether you're a local enthusiast or a visitor seeking an unforgettable adventure in Egypt, we invite you to discover the thrill of driving a world-class exotic car with WHEELS. Contact us today to reserve your dream car and embark on the journey of a lifetime.

    </p>

</div>


    </div>

  </section>

 </article>

</main>


<!--
```

```html
    - custom js link

  -->

  <script src="./assets/js/script.js"></script>



  <!--

    - ionicon link

  -->

  <script type="module"
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>

  <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>


</body>

</html>
```