MINI PROJECT-

Topic: Aadhar Card Information System-

Code~

#include<iostream>

#include<conio.h>

#include<iomanip>

#include<string.h>

#include<fstream>

#include<cstdlib>

using namespace std;

class basic

{

protected:

long long aadhar\_no, dob, phone\_no;

string name;

string address;

public:

void getdata()

{

cout << "\tEnter name:";

getline(cin, name);

getline(cin, name);

cout << "\n\tEnter address: ";

getline(cin, address);

cout << "\n\tEnter phone no :";

cin >> phone\_no;

cout << "\n\tEnter DOB (DDMMYYYY) :";

cin >> dob;

cout<<"\n";

aadhar\_no = 1;

}

void simpleshow()

{

cout.width(52);cout.fill(' ');

cout<<"~ YOUR AADHAR NO- 8277 9791 8876 ~\n\n";

cout.width(20); cout<<"NAME";

cout.width(30); cout<<"ADDRESS";

cout.width(34); cout<<"PHONE NO";

cout.width(22); cout<<"DOB";

cout<<endl;

cout.width(20); cout<<name;

cout.width(30); cout<<address;

cout.width(34); cout<<phone\_no;

cout.width(22); cout<<dob;

cout<<endl;

}

void showdata()

{

cout.width(112);cout.fill('\*');

cout<<"\*";

cout.fill(' ');

cout<<endl;

cout.width(74);

cout<<"| Authority Of Unique Identification |\n\n\n";

cout.width(70);

cout<<"~ YOUR AADHAR NO- 8277 9791 8876 ~\n\n";

cout.width(20); cout<<"NAME";

cout.width(30); cout<<"ADDRESS";

cout.width(34); cout<<"PHONE NO";

cout.width(22); cout<<"DOB";

cout<<endl;

cout.width(20); cout<<name;

cout.width(30); cout<<address;

cout.width(34); cout<<phone\_no;

cout.width(22); cout<<dob;

cout<<endl;

cout.width(112);cout.fill('\*');

cout<<"\*";

cout.fill(' ');

}

};

class create :virtual public basic

{

public:

void getdata2()

{

basic:: getdata();

}

void showdata2()

{

basic::showdata();

}

};

class booking :public virtual basic

{

public:

void book()

{

int choice2, slotno;

int k = 0;

int t = 8;

cout.fill(' ');

cout << " officer 1 " << setw(12) << " officer 2" << setw(13) << " officer 3\n";

for (int i = 0; i < 3; i++)

{

cout << setw(5) << t << "-" << t + 1 << "am\t";

for (int j = 0; j < 3; j++)

{

k++;

cout.width(10); cout << "slot " << k << ".\t";

}

cout << "\n";

t++;

}

cout<<"\n\tSelect a slot number of your choice-";

cin >> slotno;

cout<<endl;

k = 0;

t = 8;

cout << " officer 1 " << setw(12) << " officer 2" << setw(13) << " officer 3\n";

for (int i = 0; i < 3; i++)

{

cout << setw(5) << t << "-" << t + 1 << "am\t";

for (int j = 0; j < 3; j++)

{

k++;

if (slotno == k)

{

cout.width(10); cout << "^booked^\t";

}

else

{

cout.width(10); cout << "slot " << k << ".\t";

}

}

cout << "\n";

t++;

}

cout<<"\n\n";

cout.width(51);cout.fill('-');cout<<"-";cout<<endl;

cout << "| Dear " << name << " your appointment is booked! |\n";

cout.width(51);cout.fill('-'); cout<<"-";cout<<endl;

}

};

class download : public virtual basic

{

public:

void downloaddata()

{

basic:: showdata();

}

};

class retrieve : virtual public basic

{

public:

void operator++(int)

{

cout << "\tEnter phone no to search your data-\n";

long long g;

cin >> g;

if (g == phone\_no)

{

cout.width(55);cout.fill('-');cout<<"-";cout<<endl;

cout << "| Dear " << name << " your account details are found ! |\n";

cout.width(55);cout.fill('-'); cout<<"-";cout<<endl;

cout<<"\n";

simpleshow();

}

else

{

cout.width(55);cout.fill('-');cout<<"-";cout<<endl;

cout << "| Dear " << name << " your account details are NOT found ! |\n";

cout.width(55);cout.fill('-'); cout<<"-";cout<<endl;

}

}

};

class feedback : public virtual basic

{

public:

void getfeedback()

{

int score[5],i=0;

int sum = 0;

char c;

cout.fill(' ');

cout << setw(60) << "WE WOULD LOVE YOUR FEEDBACK !" << endl;

cout << cout.width(90) << "Your Feedback" << endl;

cout.setf(ios::left, ios::adjustfield);cout.width(12);cout<<"\tPromptness:";cout.setf(ios::right, ios::adjustfield);cout.width(60);cout<<"Excellent-(3)\tSatisfactory-(2)\tDisappointing-(1): ";

cin >> score[0];

cout.setf(ios::left, ios::adjustfield);cout.width(12);cout<<"\tSecurity:";cout.setf(ios::right, ios::adjustfield);cout.width(60);cout<<"Excellent-(3)\tSatisfactory-(2)\tDisappointing-(1): ";

cin >> score[1];

cout.setf(ios::left, ios::adjustfield);cout.width(12);cout<<"\tAccuracy:";cout.setf(ios::right, ios::adjustfield);cout.width(60);cout<<"Excellent-(3)\tSatisfactory-(2)\tDisappointing-(1): ";

cin >> score[2];

cout.setf(ios::left, ios::adjustfield);cout.width(12);cout<<"\tEase:";cout.setf(ios::right, ios::adjustfield);cout.width(60);cout<<"Excellent-(3)\tSatisfactory-(2)\tDisappointing-(1): ";

cin >> score[3];

cout.setf(ios::left, ios::adjustfield);cout.width(12);cout<<"\tQuality:";cout.setf(ios::right, ios::adjustfield);cout.width(60);cout<<"Excellent-(3)\tSatisfactory-(2)\tDisappointing-(1): ";

cin >> score[4];

while (i < 5)

{

sum = score[i] + sum;

i++;

}

cout.width(29);cout.fill('-');cout<<"-";cout<<endl;

cout << left << "|The score you rate us=" << sum\*6.6 << " %|\n";

cout.width(29);cout.fill('-');cout<<"-";cout<<endl;

}

};

class final : public booking, public download,public feedback, public retrieve

{

};

int menu()

{

int choice;

cout << "\n\n\t1. create aadhar account";

cout << "\n\t2. update aadhar account";

cout << "\n\t3. download aadhar card";

cout << "\n\t4. avail aadhar services: Booking Appointment";

cout << "\n\t5. avail aadhar services: Retrieve Account Details";

cout << "\n\t6. feedback";

cout << "\n\t7. exit\n\n";

cout<<"\tEnter your choice: ";cin >> choice;

return choice;

}

int main()

{

int d = 1;

final f;

create b;

fstream file;

cout.width(60);

cout << "WELCOME\n\n";

cout.width(70);

cout << "AADHAR INFORMATION SYSTEM\n\n";

cout.width(120);

cout.fill('-');

cout << "-";

cout.fill(' ');

while (1)

{

switch (menu())

{

case 1:

file.open("stock.txt", ios::out);

f.getdata();

file.write((char\*)&b, sizeof(b));

cout.width(30);cout.fill('-');cout<<"-";cout<<endl;

cout << " ACCOUNT CREATED SUCCESSFULLY !\n";

cout.width(30);cout.fill('-'); cout<<"-";cout<<endl;

file.close();

break;

case 2:

file.open("stock.txt", ios::out);

f.getdata();

file.write((char\*)&b, sizeof(b));

cout.width(30);cout.fill('-');cout<<"-";cout<<endl;

cout << " ACCOUNT UPDATED SUCCESSFULLY !\n";

cout.width(30);cout.fill('-'); cout<<"-";cout<<endl;

file.close();

break;

case 3:

f.downloaddata();

break;

case 4:

f.book();

break;

case 5:

f++;

break;

case 6:

f.getfeedback();

cout<<"\nThank you for feedback !";

break;

case 7:

exit(0);

default:

cout << "\tinvalid";

}

}

\_getch();

return 0;

}

Output-





