

Computer programming – lab

BSCS [1A]

Final term project report

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Project name

Personal diary management system

Abstract

This is one of the best c++ programming projects of personal diary management system. It is a console based project without graphics. In this project, user can keep their personal record like they do in a diary. You can keep important things you do in your daily life, like meetings and various other tasks.

This is a perfect advanced level project.

Basic user-defined functions used in the project are below:

- Int password()
- Void addrecord()
- Void viewrecord()
- Void editrecord()
- Void editpassword()
- Void deleterecord()

This is all to manage and handle passwords and stories.

1. Introduction

Personal Diary Management System is based on the concept to save and generate all the story of the user. At first, the user has to pass through login system then the user can Add, view, edit and remove the story. Before viewing, editing and removing the story, the user must provide the password in order to get access. The whole project is designed in 'C++' language and different variables and strings have been used for the development of this project. This project is easy to operate and understand by the users.

2. Objectives

Objectives provide a list of goals that will be achieved through this project.

In this project, user can keep their personal record like they do in a diary. You can keep records of the important things you do in your daily life, like meetings and various other tasks.

In the early past few years, many people used to write a diary in the written form in their notebooks. So this is the efficient way to write a daily diary, personal, secrets and meetings etc.

3. Methodology

Basic user-defined functions used in the project are below:

- Int password()
- Void addrecord()
- Void viewrecord()
- Void editrecord()
- Void editpassword()
- Void deleterecord()

4. Code

```
#include<iostream>
#include<iomanip>
#include<stdio.h>
#include<stdlib.h>
#include<conio.h>
#include<string>
#include<fstream>
using namespace std;
void start();
void Bushra();
void Tooba();
void Minahil();
void Hafsa();
void Aleeha();
void intro();
void menu();
void addrecord();
void previousrecord();
void add_new_record();
void viewrecord();
void View_previous_records();
void View_new_records();
void deleterecord();
void Delete_Previous_records();
void Delete_New_records();
void editrecord();
void editpassword();

void main()
{
    intro();
    start();
    system("pause");

}
void intro()
{

    cout << endl;
    cout <<
    "\t\t=====
===== " << endl;
```

```
cout << endl;
cout << "\t\t\tCOMPUTER PROGRAMING FINAL PROJECT" <<
endl;
cout << endl;
cout << "\t\t\t\t1ST SEMESTER" << endl;
cout << endl;
cout << "\t\t\t BACHELOUR OF COMPUTER SCIENCE" <<
endl;
cout << endl;
cout << "\t\t\tPERSONAL DIARY MANAGMENT SYSTEM" <<
endl;
cout << endl;
cout << "\t\t\t\tDESIGNED BY" << endl;
cout << endl;
cout << "\t\t\tBUSHRA MASOOD";
cout << "\t\t\t03-134202-107" << endl;
cout << endl;
cout << "\t\t\tAMTUL MUSAWIR TOOBA";
cout << "\t\t\t03-134202-009 " << endl;
cout << endl;
cout << "\t\t\tMINAHIL SAEED";
cout << "\t\t\t03-134202-113 " << endl;
cout << endl;
cout << "\t\t\tTHAFSA UMER";
cout << "\t\t\t03-134202-018 " << endl;
cout << endl;
cout << "\t\t\t\tSUBMITTED TO" << endl;
cout << endl;
cout << "\t\t\t\tMAAM ZUPASH" << endl;
cout << endl;
cout << "\t\t\t\t23 - JAN - 2021" << endl;
cout << endl;
cout <<
"\t\t=====
===== " << endl;
system("pause");
system("cls");
}
void start()
{
    int ch;
    cout << "\t\t\t\t" << "" << setw(35) << setfill(' ')
<< "*" << endl;
```

```

    cout << "\t\t\t\t" << "" << setw(35) << setfill(' ')
<< "" << endl;
    cout << "\t\t\t\t" << "" << setw(29) << setfill(' ')
<< "Personal diary managment" << setw(6) << setfill(' ')
<< "" << endl;
    cout << "\t\t\t\t" << "" << setw(35) << setfill(' ')
<< "" << endl;
    cout << "\t\t\t\t" << "" << setw(35) << setfill(' ')
<< "*" << endl;
    cout << "\n\n\t\t\t\tTotal diaries:";
    cout << "\n\n\t\t\t\tBushra diary\t[1]";
    cout << "\n\n\t\t\t\tTooba diary\t[2]";
    cout << "\n\n\t\t\t\tMinahil diary\t[3]";
    cout << "\n\n\t\t\t\tHafsa diary\t[4]";
    cout << "\n\n\t\t\t\tAleeha diary\t[5]";
    cout << "\n\n\t\t\t\tEXIT\t\t[6]";
    cout << "\n\n\t\t\t\tEnter your choice:";
    cin >> ch;
    switch (ch)
    {
    case 1:
        system("CLS");
        Bushra();
        break;
    case 2:
        system("CLS");
        Tooba();
        break;
    case 3:
        system("CLS");
        Minahil();
        break;
    case 4:
        system("CLS");
        Hafsa();
        break;
    case 5:
        system("CLS");
        Aleeha();
        break;
    case 6:
        cout << "\n\n\t\t\t\tThank you for using the
software " << endl;

```

```

        cout << endl;
        break;
    default:
        cout << "\n\n\t\t\t\t\tYou entered wrong choice" <<
endl;
        cout << "\n\t\t\t\t\tPress any key to try again" <<
endl;
        system("PAUSE");
        system("CLS");
        start();
        break;
    }
}
void Bushra()
{
    cout << "\t\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
    cout << "\t\t\t\t\t" << "|" << setw(18) << setfill(' ')
<< "Bushra diary" << setw(7) << setfill(' ') << "|" <<
endl;
    cout << "\t\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
    string password = "";
    char ch;
    cout << "Enter password:";
    ch = _getch();
    while (ch != 13)
    {
        password.push_back(ch);
        cout << '*';
        ch = _getch();
    }

    if (password == "bushra")
    {
        cout << "\nAccess granted\n";
        system("PAUSE");
        system("CLS");
        menu();
    }
    else
    {
        cout << "\nAccess aborted...\n";
    }
}

```

```

        system("PAUSE");
        system("CLS");
        Bushra();
    }
}

void Tooba()
{
    cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
    cout << "\t\t\t\t" << "|" << setw(18) << setfill(' ')
<< "Tooba diary" << setw(7) << setfill(' ') << "|" <<
endl;
    cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
    string password = "";
    char ch;
    cout << "Enter password:";
    ch = _getch();
    while (ch != 13)
    {
        password.push_back(ch);
        cout << '*';
        ch = _getch();
    }

    if (password == "tooba")
    {
        cout << "\nAccess granted\n";
        system("PAUSE");
        system("CLS");
        menu2();
    }
    else
    {
        cout << "\nAccess aborted...\n";
        system("PAUSE");
        system("CLS");
        Tooba();
    }
}

void Minahil()
{

```

```

        cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
        cout << "\t\t\t\t" << "|" << setw(18) << setfill(' ')
<< "Minahil diary" << setw(7) << setfill(' ') << "|" <<
endl;
        cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
        string password = "";
        char ch;
        cout << "Enter password:";
        ch = _getch();
        while (ch != 13)
        {
            password.push_back(ch);
            cout << '*';
            ch = _getch();
        }

        if (password == "minahil")
        {
            cout << "\nAccess granted\n";
            system("PAUSE");
            system("CLS");
            menu3();
        }
        else
        {
            cout << "\nAccess aborted...\n";
            system("PAUSE");
            system("CLS");
            Minahil();
        }
    }
    void Hafsa()
    {
        cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
        cout << "\t\t\t\t" << "|" << setw(18) << setfill(' ')
<< "Hafsa diary" << setw(7) << setfill(' ') << "|" <<
endl;
        cout << "\t\t\t\t" << "-" << setw(25) << setfill('-')
<< "-" << endl;
    }

```



```

string password = "";
char ch;
cout << "Enter password:";
ch = _getch();
while (ch != 13)
{
    password.push_back(ch);
    cout << '*';
    ch = _getch();
}

if (password == "hafsa")
{
    cout << "\nAccess granted\n";
    system("PAUSE");
    system("CLS");
    menu4();
}
else
{
    cout << "\nAccess aborted...\n";
    system("PAUSE");
    system("CLS");
    Hafsa();
}

}

void menu()
{
    int ch;
    cout << "\n\n\t\tMAIN MENU:";
    cout << "\n\n\tADD STORY\t[1]";
    cout << "\n\tVIEW STORY\t[2]";
    cout << "\n\tEDIT STORY\t[3]";
    cout << "\n\tDELETE STORY\t[4]";
    cout << "\n\tEDIT PASSWORD\t[5]";
    cout << "\n\tEXIT\t\t[6]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;

    switch (ch)
    {

```

```

        case 1:
            addrecord();
            break;
        case 2:
            viewrecord();
            break;
        case 3:
            editrecord();
            break;
        case 4:
            deleterecord();
            break;
        case 5:
            editpassword();
            break;
        case 6:
            cout << "\n\n\t\t\t\tThank you for using the
software " << endl;
            cout << endl;
            break;
        default:
            cout << "\n\n\t\t\t\tYou entered wrong choice" <<
endl;
            cout << "\n\t\t\t\tPress any key to try again" <<
endl;
            system("PAUSE");
            system("CLS");
            menu();
            break;
    }
}
void addrecord()
{
    int option;
    cout << "\n\tPrevious records\t[1]" << endl;
    cout << "\n\tAdd new records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;
    switch (option)
    {

        case 1:
            previousrecord();

```

```

        break;
        system("cls");
    case 2:
        add_new_record();
        break;
        system("cls");

    default:
        cout << "invalid entry";
        break;
    }
}
struct addrecord
{
    char date[10];
    char time[10];
    char name[20];
    char note[400];
};
void previousrecord()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryi.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
}

```

```

        system("pause");
        system("cls");
        int ch;
        cout << "\n\tADD ANOTHER STORY\t[1]";
        cout << "\n\tExit\t[2]";
        cout << "\n\n\tENTER YOUR CHOICE:";
        cin >> ch;
        if (ch == 1)
        {
            addrecord();
        }
        else
            cout << "\n\n\t\t\tThank you";
        cout << endl;
    }

void add_new_record()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryii.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
    system("pause");
    system("cls");
}

```

```

    int ch;
    cout << "\n\tADD ANOTHER STORY\t[1]";
    cout << "\n\tExit\t[2]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;
    if (ch == 1)
    {
        addrecord();
    }
    else
        cout << "\n\n\t\t\t\tThank you";
    cout << endl;
}
void viewrecord()
{
    int option;
    cout << "\n\tView previous records\t[1]" << endl;
    cout << "\n\tView new records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;
    switch (option)
    {

    case 1:
        View_previous_records();
        break;
        system("cls");
    case 2:
        View_new_records();
        break;
        system("cls");

    default:
        cout << "invalid entry";
        break;
    }
}

void deleterecord()
{
    int option;

```

```

cout << "\n\tDelete Previous records\t[1]" << endl;
cout << "\n\tDelete New records\t[2] " << endl;
cout << "Enter your option" << endl;
cin >> option;

switch (option)
{
    case 1:
        Delete_Previous_records();
        break;

    case 2:
        Delete_New_records();
        break;
        system("cls");
    default:
        cout << "invalid entry";
        break;
}
}
void View_previous_records()
{
    string a;
    ifstream in;
    in.open("diaryi.txt");
    while (!in.eof())
    {
        getline(in, a);
        if (a == "")
            cout << "Empty Record" << endl;
        else
            cout << a << endl;
    }

    in.close();

    system("pause");
}

```

```
void View_new_records()
{
    string d;
    ifstream in;
    in.open("diaryii.txt");
    while (!in.eof())
    {
        getline(in, d);
        if (d == "")
            cout << "Empty records" << endl;
        else
            cout << d << endl;
    }

    in.close();
    system("pause");
}

void Delete_Previous_records()
{
    string a;
    ofstream in;
    in.open("diaryi.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}

void Delete_New_records()
{
    string a;
    ofstream in;
    in.open("diaryii.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
}
```

```
        in.close();
    }
    void editrecord()
    {
        cout << "" << endl;

    }
```

```
void menu2()
{
    int ch;
    cout << "\n\n\t\tMAIN MENU:";
    cout << "\n\n\tADD STORY\t[1]";
    cout << "\n\tVIEW STORY\t[2]";
    cout << "\n\tEDIT STORY\t[3]";
    cout << "\n\tDELETE STORY\t[4]";
    cout << "\n\tEDIT PASSWORD\t[5]";
    cout << "\n\tEXIT\t\t[6]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;

    switch (ch)
    {
    case 1:
        addrecord2();
        break;
    case 2:
        viewrecord2();
        break;
    case 3:
        editrecord2();
        break;
    case 4:
        deleterecord2();
        break;
    case 5:
        cout << "\n\n\t\t\tThank you for using the
software " << endl;
        cout << endl;
    }
```



```

        break;
    default:
        cout << "\n\n\t\t\t\t\tYou entered wrong choice" <<
endl;
        cout << "\n\t\t\t\t\tPress any key to try again" <<
endl;
        system("PAUSE");
        system("CLS");
        menu2();
        break;
    }
}
void addrecord2()
{
    int option;
    cout << "\n\tPrevious records\t[1]" << endl;
    cout << "\n\tAdd new records\t[2]" << endl;
    cout << "Enter your option" << endl;
    cin >> option;
    switch (option)
    {

        case 1:
            previousrecord2();
            break;
            system("cls");
        case 2:
            add_new_record2();
            break;
            system("cls");

        default:
            cout << "invalid entry";
            break;
    }
}
struct addrecord
{
    char date[10];
    char time[10];
    char name[20];
    char note[400];
};

```

```

void previousrecord2()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryiii.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-
dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
    system("pause");
    system("cls");
    int ch;
    cout << "\n\tADD ANOTHER STORY\t[1]";
    cout << "\n\tExit\t[2]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;
    if (ch == 1)
    {
        addrecord2();
    }
    else
        cout << "\n\n\t\t\t\tThank you";
    cout << endl;
}

void add_new_record2()
{

```

```

    struct addrecord e;
    ofstream file;
    file.open("diaryiv.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-
dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
    system("pause");
    system("cls");
    int ch;
    cout << "\n\tADD ANOTHER STORY\t[1]";
    cout << "\n\tExit\t[2]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;
    if (ch == 1)
    {
        addrecord2();
    }
    else
        cout << "\n\n\t\t\tThank you";
    cout << endl;
}

void viewrecord2()
{
    int option;
    cout << "\n\tView previous records\t[1]" << endl;
    cout << "\n\tView new records\t[2] " << endl;
}

```

```

    cout << "Enter your option" << endl;
    cin >> option;
    switch (option)
    {

    case 1:
        View_previous_records2();
        break;
        system("cls");
    case 2:
        View_new_records2();
        break;
        system("cls");

    default:
        cout << "invalid entry";
        break;
    }
}

void deleterecord2()
{
    int option;
    cout << "\n\tDelete Previous records\t[1]" << endl;
    cout << "\n\tDelete New records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;

    switch (option)
    {

    case 1:
        Delete_Previous_records2();
        break;

    case 2:
        Delete_New_records2();
        break;
        system("cls");
    default:
        cout << "invalid entry";

```

```

        break;
    }

}

void View_previous_records2()
{
    string a;
    ifstream in;
    in.open("diaryiii.txt");
    while (!in.eof())
    {
        getline(in, a);
        if (a == "")
            cout << "Empty Record" << endl;
        else
            cout << a << endl;
    }

    in.close();

    system("pause");
}

void View_new_records2()
{
    string d;
    ifstream in;
    in.open("diaryiv.txt");
    while (!in.eof())
    {
        getline(in, d);
        if (d == "")
            cout << "Empty records" << endl;
        else
            cout << d << endl;
    }

    in.close();
    system("pause");
}

void Delete_Previous_records2()

```

```
{

    string a;
    ofstream in;
    in.open("diaryiii.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}
```

```
void Delete_New_records2()
{
    string a;
    ofstream in;
    in.open("diaryiv.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}
void editrecord2()
{
    cout << "" << endl;

}
```

```
void menu3()
{
    int ch;
    cout << "\n\n\t\tMAIN MENU:";
    cout << "\n\n\tADD STORY\t[1]";
    cout << "\n\tVIEW STORY\t[2]";
}
```

```

cout << "\n\tEDIT STORY\t[3]";
cout << "\n\tDELETE STORY\t[4]";
cout << "\n\tEDIT PASSWORD\t[5]";
cout << "\n\tEXIT\t\t[6]";
cout << "\n\n\tENTER YOUR CHOICE:";
cin >> ch;

switch (ch)
{
case 1:
    addrecord3();
    break;
case 2:
    viewrecord3();
    break;
case 3:
    editrecord3();
    break;
case 4:
    deleterecord3();
    break;
case 5:
    cout << "\n\n\t\t\tThank you for using the
software " << endl;
    cout << endl;
    break;
default:
    cout << "\n\n\t\t\tYou entered wrong choice" <<
endl;
    cout << "\n\t\t\tPress any key to try again" <<
endl;
    system("PAUSE");
    system("CLS");
    menu3();
    break;
}
}
void addrecord3()
{
    int option;
    cout << "\n\tPrevious records\t[1]" << endl;
    cout << "\n\tAdd new records\t[2]" << endl;
    cout << "Enter your option" << endl;

```

```

    cin >> option;
    switch (option)
    {

    case 1:
        previousrecord3();
        break;
        system("cls");
    case 2:
        add_new_record3();
        break;
        system("cls");

    default:
        cout << "invalid entry";
        break;
    }
}
struct addrecord
{
    char date[10];
    char time[10];
    char name[20];
    char note[400];
};
void previousrecord3()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryv.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";

```



```

        cin.ignore();
        cin.getline(e.note, 400);
        file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
        file.close();
        system("pause");
        system("cls");
        int ch;
        cout << "\n\tADD ANOTHER STORY\t[1]";
        cout << "\n\tExit\t[2]";
        cout << "\n\n\tENTER YOUR CHOICE:";
        cin >> ch;
        if (ch == 1)
        {
            addrecord3();
        }
        else
            cout << "\n\n\t\t\tThank you";
        cout << endl;
    }

void add_new_record3()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryvi.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-
dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
}

```

```

        file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
        file.close();
        system("pause");
        system("cls");
        int ch;
        cout << "\n\tADD ANOTHER STORY\t[1]";
        cout << "\n\tExit\t[2]";
        cout << "\n\n\tENTER YOUR CHOICE:";
        cin >> ch;
        if (ch == 1)
        {
            addrecord3();
        }
        else
            cout << "\n\n\t\t\tThank you";
        cout << endl;
    }
    void viewrecord3()
    {
        int option;
        cout << "\n\tView previous records\t[1]" << endl;
        cout << "\n\tView new records\t[2] " << endl;
        cout << "Enter your option" << endl;
        cin >> option;
        switch (option)
        {

        case 1:
            View_previous_records3();
            break;
            system("cls");
        case 2:
            View_new_records3();
            break;
            system("cls");

        default:
            cout << "invalid entry";
            break;
        }
    }

```

```
}
```

```
void deleterecord3()
{
    int option;
    cout << "\n\tDelete Previous records\t[1]" << endl;
    cout << "\n\tDelete New records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;
```

```
    switch (option)
    {

        case 1:
            Delete_Previous_records3();
            break;

        case 2:
            Delete_New_records3();
            break;
            system("cls");
        default:
            cout << "invalid entry";
            break;
    }
}
```

```
void View_previous_records3()
{
    string a;
    ifstream in;
    in.open("diaryv.txt");
    while (!in.eof())
    {
        getline(in, a);
        if (a == "")
            cout << "Empty Record" << endl;
        else
            cout << a << endl;
    }
}
```

```

        in.close();

        system("pause");
    }

void View_new_records3()
{
    string d;
    ifstream in;
    in.open("diaryvi.txt");
    while (!in.eof())
    {
        getline(in, d);
        if (d == "")
            cout << "Empty records" << endl;
        else
            cout << d << endl;
    }

    in.close();
    system("pause");
}

void Delete_Previous_records3()
{
    string a;
    ofstream in;
    in.open("diaryv.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}

void Delete_New_records3()
{
    string a;
    ofstream in;

```

```

        in.open("diaryvi.txt", ios::trunc);
        while (in)
        {
            in << "";
            break;
        }
        in.close();
    }
    void editrecord3()
    {
        cout << "" << endl;

    }

    void menu4()
    {
        int ch;
        cout << "\n\n\t\tMAIN MENU:";
        cout << "\n\n\tADD STORY\t[1]";
        cout << "\n\tVIEW STORY\t[2]";
        cout << "\n\tEDIT STORY\t[3]";
        cout << "\n\tDELETE STORY\t[4]";
        cout << "\n\tEDIT PASSWORD\t[5]";
        cout << "\n\tEXIT\t\t[6]";
        cout << "\n\n\tENTER YOUR CHOICE:";
        cin >> ch;

        switch (ch)
        {
            case 1:
                addrecord4();
                break;
            case 2:
                viewrecord4();
                break;
            case 3:
                editrecord4();
                break;
            case 4:
                deleterecord4();
                break;
            case 5:

```

```

        cout << "\n\n\t\t\t\tThank you for using the
software " << endl;
        cout << endl;
        break;
    default:
        cout << "\n\n\t\t\t\tYou entered wrong choice" <<
endl;
        cout << "\n\t\t\t\tPress any key to try again" <<
endl;

        system("PAUSE");
        system("CLS");
        menu();
        break;
    }
}
void addrecord4()
{
    int option;
    cout << "\n\tPrevious records\t[1]" << endl;
    cout << "\n\tAdd new records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;
    switch (option)
    {

        case 1:
            previousrecord4();
            break;
            system("cls");
        case 2:
            add_new_record4();
            break;
            system("cls");

        default:
            cout << "invalid entry";
            break;
    }
}
struct addrecord
{
    char date[10];
    char time[10];

```

```

    char name[20];
    char note[400];
};
void previousrecord4()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryvii.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-
dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
    system("pause");
    system("cls");
    int ch;
    cout << "\n\tADD ANOTHER STORY\t[1]";
    cout << "\n\tExit\t[2]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;
    if (ch == 1)
    {
        addrecord4();
    }
    else
        cout << "\n\n\t\t\t\tThank you";
    cout << endl;
}

```

```

void add_new_record4()
{
    struct addrecord e;
    ofstream file;
    file.open("diaryviii.txt", ios::app | ios::out);
    system("cls");
    cout << "\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-
dd]:";
    cin.ignore();
    cin.getline(e.date, 10);

    cout << "\n\tENTER TIME:[hh:mm]:";
    cin.ignore();
    cin.getline(e.time, 10);

    cout << "\tENTER NAME:";
    cin >> e.name;
    cout << "\n\tEXPLAIN THE INCIDENT :";
    cin.ignore();
    cin.getline(e.note, 400);
    file << "Date =" << e.date << endl << "Time=" <<
e.time << endl << "Name = " << e.name << endl << "Note" <<
e.note << endl;
    file.close();
    system("pause");
    system("cls");
    int ch;
    cout << "\n\tADD ANOTHER STORY\t[1]";
    cout << "\n\tExit\t[2]";
    cout << "\n\n\tENTER YOUR CHOICE:";
    cin >> ch;
    if (ch == 1)
    {
        addrecord4();
    }
    else
        cout << "\n\n\t\t\tThank you";
    cout << endl;
}

void viewrecord4()
{

```



```

int option;
cout << "\n\tView previous records\t[1]" << endl;
cout << "\n\tView new records\t[2] " << endl;
cout << "Enter your option" << endl;
cin >> option;
switch (option)
{

case 1:
    View_previous_records4();
    break;
    system("cls");
case 2:
    View_new_records4();
    break;
    system("cls");

default:
    cout << "invalid entry";
    break;
}
}

```

```

void deleterecord4()
{
    int option;
    cout << "\n\tDelete Previous records\t[1]" << endl;
    cout << "\n\tDelete New records\t[2] " << endl;
    cout << "Enter your option" << endl;
    cin >> option;

    switch (option)
    {

case 1:
    Delete_Previous_records4();
    break;

```

```

        case 2:
            Delete_New_records4();
            break;
            system("cls");
        default:
            cout << "invalid entry";
            break;
    }
}

void View_previous_records4()
{
    string a;
    ifstream in;
    in.open("diaryvii.txt");
    while (!in.eof())
    {
        getline(in, a);
        if (a == "")
            cout << "Empty Record" << endl;
        else
            cout << a << endl;
    }

    in.close();

    system("pause");
}

void View_new_records4()
{
    string d;
    ifstream in;
    in.open("diaryviii.txt");
    while (!in.eof())
    {
        getline(in, d);
        if (d == "")
            cout << "Empty records" << endl;
        else
            cout << d << endl;
    }
}

```

```

    }

    in.close();
    system("pause");
}
void Delete_Previous_records4()
{

    string a;
    ofstream in;
    in.open("diaryvii.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}

void Delete_New_records4()
{
    string a;
    ofstream in;
    in.open("diaryviii.txt", ios::trunc);
    while (in)
    {
        in << "";
        break;
    }
    in.close();
}
void editrecord4()
{
    cout << "" << endl;

}

```

5. Results

C:\Users\FAST\Desktop\Project18\Debug\Project18.exe

```
=====
COMPUTER PROGRAMING FINAL PROJECT

1ST SEMESTER

BACHELOUR OF COMPUTER SCIENCE

PERSONAL DIARY MANAGMENT SYSTEM

DESIGNED BY

BUSHRA MASOOD          03-134202-107
AMTUL MUSAWIR TOOBA    03-134202-009
MINAHIL SAEED          03-134202-113
HAFSA UMER             03-134202-018

SUBMITTED TO

MAAM ZUPASH

23 - JAN - 2021

=====
Press any key to continue . . .
```

C:\Users\FAST\Desktop\Project18\Debug\Project18.exe

```
*****
*                                     *
*      Personal diary managment      *
*                                     *
*****

Total diaries:

Bushra diary    [1]
Tooba diary     [2]
Minahil diary   [3]
Hafsa diary     [4]
Aleea diary     [5]
EXIT            [6]

Enter your choice:1
```

C:\Users\FAST\Desktop\Project18\Debug\Project18.exe

```
-----
|      Bushra diary      |
-----

Enter password:*****
Access granted
Press any key to continue . . .
```

C:\Users\FAST\Desktop\Project18\Debug\Project18.exe

MAIN MENU:

ADD STORY [1]
VIEW STORY [2]
EDIT STORY [3]
DELETE STORY [4]
EDIT PASSWORD [5]
EXIT [6]

ENTER YOUR CHOICE:1

Previous records [1]

Add new records [2]

Enter your option

1

ENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:2021-1-17

ENTER TIME:[hh:mm]:3.30

ENTER NAME:story2

EXPLAIN THE INCIDENT :story of visiting on a trip with friendDEAR ME,
Press any key to continue . . . ■

ADD ANOTHER STORY [1]
Exit [2]

ENTER YOUR CHOICE:2

Thank you
Press any key to continue . . . ■

C:\Users\FAST\Desktop\Project18\Debug\Project18.exe

```

                MAIN MENU:

ADD STORY      [1]
VIEW STORY     [2]
EDIT STORY     [3]
DELETE STORY   [4]
EDIT PASSWORD  [5]
EXIT          [6]

ENTER YOUR CHOICE:2

View previous records [1]

View new records [2]
Enter your option
1
Date =7777
Time=888
Name = jil
Notemmmm mmmm
Date =2021-1-18
Time=:30
Name = story1
NoteDEAR ME,
Date =2021-1-18
Time=:40
Name = story1
NoteDEAR ME,
Date =2021-1-18
Time=.30
Name = story
Note1
```

6. References

https://www.youtube.com/results?search_query=file+handling+in+c%2B%2B

<https://www.youtube.com/watch?v=aHPuxLiX8IQ&t=2s>