

A MINI PROJECT ON  
**PERSONAL DIARY MANAGEMENT**

*Submitted by*

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## ABSTRACT

During the past decade, increasing attention has been focus on the Technology of Computer software. As manual computing system becomes more numerous, complex the need for the systematic approaches development becomes increasingly apparent.

A personal diary may include a person's experiences, thoughts, and/or feelings, excluding comments on current events outside the writer's direct experience.

A **Personal Diary** is a record (originally in handwritten format) with discrete entries arranged by date reporting on what has happened over the course of a day or other period.

The main objective of project work **Personal diary management** is designing a convenient frame work including the required fields. A primary goal of this project is to develop good software to overcome the existing problem caused by manual systems. The user who have computer knowledge will get more advantage from this application.

The user can add his/her records in safe and secured manner by making a password to it which is known to the user only. By using his/her password they can access their documents which are saved or created by the particular user.

Only one user can use this Personal diary, because there is no scope for others to create the record, if they create they cannot access it without knowing the password. So this project is useful for single user.

In recent years, with the continuous development of science and technology, more and more information has been digitalized, such as books and magazines. People are more prone to obtain information from the Internet instead of traditional ways. However, nowadays most academics are still used to keep their handwritten diaries in notebooks. It is extremely difficult to maintain the content wholesome and even impossible to find out things wanted after several years

# 1. INTRODUCTION

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 this we can add, view, edit and delete records. Records can be added with many information such as duration of task, name, address, time and date . The main objective of **PERSONAL DIARY MANAGEMENT** is any user can save his personal information in a secured manner.

The most important feature is that it is the password protected .

- User can change his/her password as many times as they want .
- The user can also look his/her record ,make changes in his/her record.

In this **PERSONAL DIARY MANAGEMENT** you need to enter a password to view, edit or delete record.

- Password is not required to view the main menu or to add record.
- As evident by its name that it should be an ordinary personal diary but in reality it is not .
- This program is very useful for many professional persons for instance:

## 2. MODULES

### 2.1 ADD RECORD

If we select add record option in the main menu user can add records to their **PERSONAL DIARY** in the secured manner.

- ✓ In this module we can add the record about different fields
- ✓ The fields are like.....date , time , name , place , duration , note

The date gives the date of the users record. The time is given by at what time the user start the work which is mentioned in the record. The name is given as per, if the record entered is about a meeting then we given that person name as the name. Duration is given as how much time we are spending on the work which is mentioned in the record.

After entering all the details of the record then press ENTER and it asks the user that they wants to continue the adding records or not . If they select 'Y' they can continue otherwise they can quit the add record option and goes to main menu.

The output screen of the add record is shown in the figure 3.2

### 2.2 VIEW RECORD

If we select view record in the main menu the user can be able to view his/her record which was added before by his/her.

After that they asked to enter the password in order to view the record , if they does not give the correct password they are not allowed to see their records which was added before.

After giving the correct password , it asks the user 'HOW WOULD YOU LIKE TO VIEW:' the user selects whether they want to view the whole day record or display record for a particular time. After the selection of that option they can be able to view the record as their wish.

Afterwards press ENTER and it asks the user that they wants to continue the viewing records or not . If they select 'Y' they can continue otherwise they can quit the view record option and goes to main menu.

The output screens of the view record is shown in the figure 3.3, 3.4

## 2.3 EDIT RECORD

If the user selects the edit record option in the main menu they can edit (change) their records based on the fields.

After selecting the edit option in the main menu it asks the user to enter his or her password and then it asks the date of the record which you want to edit and the time.

After that it displays the original record and asks which field you want to edit then user can select the option ( fields) based on their requirement .

After giving the option it asks the new field then we enter that and then it displays record is edited or changed.

Afterwards press ENTER and it asks the user that they wants to continue the editing records or not . If they select 'Y' they can continue otherwise they can quit the edit record option and goes to main menu.

The output screens of the edit record is shown in the figure 3.5

## 2.4 DELETE RECORD

If the user selects the delete record from the main menu they can delete the record which was added by them. In this option it first asks the user to enter their password and then it asks the user based on which field i.e., whether they want to delete the whole record or they want to delete the particular record by time. After selecting their choice it deletes the record of the based on Time & Date.

Afterwards press ENTER and it asks the user that they want to continue the deleting records or not. If they select 'Y' they can continue otherwise they can quit the delete record option and goes to main menu

## 2.5 PASSWORD

This module is used to create password for the user whenever we want to view , edit , delete the record and edit the password we use this module .

At the time of the viewing the record it asks the password of the user , the password check with the previous one if the both matches it views the record otherwise it doesn't show any record and displays errors.

At the time of editing record it ask the password of the user, as in the same way it checks whether the password is correct or not , if it is correct it can give permission to the user to edit the record , otherwise it doesn't give permission to edit the record

Password is not required to add the record and to view the main menu.



### 3.RESULTS

```
*****
*PASSWORD PROTECTED PERSONAL DIARY*
*****

MAIN MENU:

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

ENTER YOUR CHOICE:
```

Figure 3.1: Viewing of main menu

```
*****
* WELCOME TO THE ADD MENU *
*****

ENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:2018-09-25

ENTER TIME:[hh:mm]:1:00
ENTER NAME:Samthrusha
ENTER PLACE:Tirupati
ENTER DURATION:2hrs
NOTE:Meet with frnds
```

Figure 3.2 :viewing of add record

```

*****
* HERE IS THE VIEWING MENU *
*****

::FOR SECURITY PURPOSE:::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:****_

```

**Figure 3.3: entering password for view record**

```

HOW WOULD YOU LIKE TO VIEW:

1.WHOLE RECORD OF THE DAY.
2.RECORD OF FIX TIME.
ENTER YOUR CHOICE:

```

**Figure 3.4 : Options of View record**

```

*****
* WELCOME TO DELETE MENU*
*****

::FOR SECURITY PURPOSE:::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:****

ACCESS GRANTED...

HOW WOULD YOU LIKE TO DELETE.

#DELETE WHOLE RECORD                [1]
#DELETE A PARTICULAR RECORD BY TIME [2]
ENTER YOU CHOICE:_

```

**Figure 3.5: Viewing of the delete record**

```

*****
* WELCOME TO THE EDITING MENU *
*****

::FOR SECURITY PURPOSE:::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:****

ACCESS GRANTED...

ENTER THE DATE OF RECORD TO BE EDITED:[yyyy-mm-dd]:2018-09-25

ENTER TIME:[hh:mm]:10:00

YOUR OLD RECORD WAS AS:
TIME: 10:00
MEETING WITH: sam
MEETING AT: tpt
DURATION: 7
NOTE: brdy

WHAT WOULD YOU LIKE TO EDIT..

1.TIME.
2.MEETING PERSON.
3.MEETING PLACE.
4.DURATION.
5.NOTE.
6.WHOLE RECORD.
7.GO BACK TO MAIN MENU.
ENTER YOUR CHOICE:_

```

**Figure 3.6:output screen of the edit record**

```

::FOR SECURITY PURPOSE:::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:****

ACCESS GRANTED...

ENTER THE NEW PASSWORD:****
CONFIRM PASSWORD:****

PASSWORD CHANGED...

PRESS ANY KEY TO GO BACK...

```

**Figure 3.7:output screen of the edit password option**

## 4. HARDWARE AND SOFTWARE REQUIRMENTS

### 4.1 Minimum Hardware Requirements

- ✓ Processor of intel® core™i5-7200U CPU @ 2.50GHz 2.70GHz
- ✓ RAM of 4Gb

### 4.2 Minimum Software Requirements

- ✓ Operating system of linux (UBUNTU)
- ✓ We can do this project by using vi editor



## 5 . SOURCE CODE

```
#include<stdio.h>
#include<stdlib.h>
#include<string.h>
#include<ncurses.h>
int password();
void addrecord();
void viewrecord();
void editrecord();
void editpassword();
void deleterecord();
struct record
{
    char time[6];
    char name[30];
    char place[25];
    char duration[10];
    char note[500];
} ;
int main()
{
    int ch;
    printf("\n\n\t*****\n");
    printf("\t*PASSWORD PROTECTED PERSONAL DIARY*\n");
    printf("\t*****");
    while(1)
    {
        printf("\n\n\t\tMAIN MENU:");
        printf("\n\n\t\tADD RECORD\t[1]");
        printf("\n\t\tVIEW RECORD\t[2]");
        printf("\n\t\tEDIT RECORD\t[3]");
        printf("\n\t\tDELETE RECORD\t[4]");
        printf("\n\t\tEDIT PASSWORD\t[5]");
        printf("\n\t\tEXIT\t\t[6]");
```

```

printf("\n\n\tENTER YOUR CHOICE:");
scanf("%d",&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:
        printf("\n\n\t\tTHANK YOU FOR USING THE SOFTWARE");
        exit(0);
    default:
        printf("\nYOU ENTERED WRONG CHOICE..");
        printf("\nPRESS ANY KEY TO TRY AGAIN");
        break;
}
system("clear");
}
return 0;
}

void addrecord( )
{
    system("clear");
    FILE *fp ;

```

```

char another = 'Y' ,time[10];
struct record e ;
char filename[15];
int choice;
printf("\n\n\t*****\n");
printf("\t* WELCOME TO THE ADD MENU *");
printf("\n\t*****\n\n");
printf("\n\n\tENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:");
fflush(stdin);
scanf("%s",filename);
fp = fopen (filename, "ab+" ) ;
if ( fp == NULL )
{
    fp=fopen(filename,"wb+");
    if(fp==NULL)
    {
        printf("\nSYSTEM ERROR...");
        printf("\nPRESS ANY KEY TO EXIT");
        return ;
    }
}
while ( another == 'Y' || another=='y' )
{
    choice=0;
    fflush(stdin);
    printf ( "\n\tENTER TIME:[hh:mm]:");
    scanf("%s",time);
    rewind(fp);
    while(fread(&e,sizeof(e),1,fp)==1)
    {
        if(strcmp(e.time,time)==0)
        {
            printf("\n\tTHE RECORD ALREADY EXISTS.\n");
            choice=1;
        }
    }
}

```

```

    }

    if(choice==0)
    {
        strcpy(e.time,time);
        printf("\tENTER NAME:");
        fflush(stdin);
        scanf("%s",e.name);
        fflush(stdin);
        printf("\tENTER PLACE:");
        scanf("%s",e.place);
        fflush(stdin);
        printf("\tENTER DURATION:");
        scanf("%s",e.duration);
        fflush(stdin);
        printf("\tNOTE:");
        scanf("%s",e.note);
        fwrite ( &e, sizeof ( e ), 1, fp ) ;
        printf("\nYOUR RECORD IS ADDED...\n");
    }

    printf ( "\n\tADD ANOTHER RECORD...(Y/N) " ) ;
    fflush ( stdin ) ;
    another = getchar( ) ;
}

fclose ( fp ) ;
printf("\n\n\tPRESS ANY KEY TO EXIT...");
}

void viewrecord( )
{
    FILE *fpte ;
    system("clear");
    struct record customer ;
    char time[6],choice,filename[14];
    int ch;
    printf("\n\n\t*****\n");
    printf("\t\t* HERE IS THE VIEWING MENU *");

```



```

printf("\n\t\t*****\n\n");
choice=password();
if(choice!=0)
{
    return ;
}
do
{
    printf("\n\tENTER THE DATE OF RECORD TO BE VIEWED:[yyyy-mm-
dd]:");

    fflush(stdin);
    scanf("%s",&filename);
    fpte = fopen ( filename, "rb" ) ;
    if ( fpte == NULL )
    {
        puts ( "\nTHE RECORD DOES NOT EXIST...\n" ) ;
        printf("PRESS ANY KEY TO EXIT...");
        return ;
    }
    system("clear");
    printf("\n\tHOW WOULD YOU LIKE TO VIEW:\n");
    printf("\n\t1.WHOLE RECORD OF THE DAY.");
    printf("\n\t2.RECORD OF FIX TIME.");
    printf("\n\t\tENTER YOUR CHOICE:");
    scanf("%d",&ch);
    switch(ch)
    {
        case 1:
            printf("\nTHE WHOLE RECORD FOR %s IS:",filename);
            while ( fread ( &customer, sizeof ( customer ), 1, fpte ) == 1 )
            {
                printf("\n");
                printf("\nTIME: %s",customer.time);
                printf("\nMEETING WITH: %s",customer.name);
                printf("\nMEETING AT: %s",customer.place);
            }
        }
    }
}

```

```

        printf("\nDURATION: %s",customer.duration);
        printf("\nNOTE: %s",customer.note);
        printf("\n");
    }
    break;
case 2:
    fflush(stdin);
    printf("\nENTER TIME:[hh:mm]:");
    scanf("%s",time);
    while ( fread ( &customer, sizeof ( customer ), 1, fpte ) == 1 )
    {
        if(strcmp(customer.time,time)==0)
        {
            printf("\nYOUR RECORD IS:");
            printf("\nTIME: %s",customer.time);
            printf("\nMEETING WITH:
%s",customer.name);

            printf("\nMEETING AT: %s",customer.place);
            printf("\nDUARATION: %s",customer.duration);
            printf("\nNOTE: %s",customer.note);
        }
    }
    break;
default:
    printf("\nYOU TYPED SOMETHING ELSE...\n");
    break;
}

printf("\n\nWOULD YOU LIKE TO CONTINUE
VIEWING...(Y/N):");
fflush(stdin);
scanf("%c",&choice);

} while(choice=='Y'||choice=='y');
fclose ( fpte );
return ;

```

```

}
void editrecord()
{
    system("clear");
    FILE *fpte ;
    struct record customer ;
    char time[6],choice,filename[14];
    int num,count=0;
    printf("\n\n\t*****\n");
    printf("\t* WELCOME TO THE EDITING MENU *");
    printf("\n\t*****\n\n");
    choice=password();
    if(choice!=0)
    {
        return ;
    }
    do
    {
        printf("\n\tENTER THE DATE OF RECORD TO BE EDITED:[yyyy-mm-
dd]:");
        fflush(stdin);
        scanf("%s",filename);
        printf("\n\tENTER TIME:[hh:mm]:");
        scanf("%s",time);
        fpte = fopen ( filename, "rb+" ) ;
        if ( fpte == NULL )
        {
            printf( "\nRECORD DOES NOT EXISTS:" ) ;
            printf("\nPRESS ANY KEY TO GO BACK");
            return;
        }
        while ( fread ( &customer, sizeof ( customer ), 1, fpte ) == 1 )
        {
            if(strcmp(customer.time,time)==0)
            {

```

```

printf("\nYOUR OLD RECORD WAS AS:");
printf("\nTIME: %s",customer.time);
printf("\nMEETING WITH: %s",customer.name);
printf("\nMEETING AT: %s",customer.place);
printf("\nDURATION: %s",customer.duration);
printf("\nNOTE: %s",customer.note);
printf("\n\n\t\tWHAT WOULD YOU LIKE TO EDIT..");
printf("\n1.TIME.");
printf("\n2.MEETING PERSON.");
printf("\n3.MEETING PLACE.");
printf("\n4.DURATION.");
printf("\n5.NOTE.");
printf("\n6.WHOLE RECORD.");
printf("\n7.GO BACK TO MAIN MENU.");
do
{
    printf("\n\tENTER YOUR CHOICE:");
    fflush(stdin);
    scanf("%d",&num);
    fflush(stdin);
    switch(num)
    {
        case 1:
            printf("\nENTER THE NEW DATA:");
            printf("\nNEW TIME:[hh:mm]:");
            scanf("%s",customer.time);
            break;
        case 2:
            printf("\nENTER THE NEW DATA:");
            printf("\nNEW MEETING PERSON:");
            scanf("%s",customer.name);
            break;
        case 3:
            printf("\nENTER THE NEW DATA:");
            printf("\nNEW MEETING PLACE:");

```

```

scanf("%s",customer.place);
break;
case 4:
    printf("\nENTER THE NEW DATA:");
    printf("\nDURATION:");
    scanf("%s",customer.duration);
break;
case 5:
    printf("ENTER THE NEW DATA:");
    printf("\nNOTE:");
    scanf("%s",customer.note);
break;
case 6:
    printf("\nENTER THE NEW DATA:");
    printf("\nNEW TIME:[hh:mm]:");
    scanf("%s",customer.time);
    printf("\nNEW MEETING PERSON:");
    scanf("%s",customer.name);
    printf("\nNEW MEETING PLACE:");
    scanf("%s",customer.place);
    printf("\nDURATION:");
    scanf("%s",customer.duration);
    printf("\nNOTE:");
    scanf("%s",customer.note);
break;
case 7:
    printf("\nPRESS ANY KEY TO GO
BACK...\n");

    getchar();
    return ;
break;
default:
    printf("\nYOU TYPED SOMETHING
ELSE...TRY AGAIN\n");

break;

```

```

        }
    } while(num<1||num>8);
        fseek(fpte,-sizeof(customer),SEEK_CUR);
        fwrite(&customer,sizeof(customer),1,fpte);
        fseek(fpte,-sizeof(customer),SEEK_CUR);
        fread(&customer,sizeof(customer),1,fpte);
        choice=5;
        break;
    }
}
if(choice==5)
{
    system("clear");
    printf("\n\t\tEDITING COMPLETED...\n");
    printf("-----\n");
    printf("THE NEW RECORD IS:\n");
    printf("-----\n");
    printf("\nTIME: %s",customer.time);
    printf("\nMEETING WITH: %s",customer.name);
    printf("\nMEETING AT: %s",customer.place);
    printf("\nDURATION: %s",customer.duration);
    printf("\nNOTE: %s",customer.note);
    fclose(fpte);
    printf("\n\n\t\tWOULD YOU LIKE TO EDIT ANOTHER
RECORD.(Y/N)");
    scanf("%c",&choice);
    count++;
}
else
{
    printf("\nTHE RECORD DOES NOT EXIST:\n");
    printf("\nWOULD YOU LIKE TO TRY AGAIN...(Y/N)");
    scanf("%c",&choice);
}
} while(choice=='Y'||choice=='y');

```

```

fclose ( fpte ) ;
if(count==1)
    printf("\n%d FILE IS EDITED...\n",count);
else if(count>1)
    printf("\n%d FILES ARE EDITED..\n",count);
else
    printf("\nNO FILES EDITED...\n");
    printf("\tPRESS ENTER TO EXIT EDITING MENU.");
    getchar();
}
int password()
{
    char pass[15]= {0},check[15]= {0},ch;
    FILE *fpp;
    int i=0,j;
    printf("::FOR SECURITY PURPOSE::");
    printf("::ONLY THREE TRIALS ARE ALLOWED::");
    for(j=0; j<3; j++)
    {
        i=0;
        printf("\n\n\tENTER THE PASSWORD:");
        scanf("%s",pass);
        fpp=fopen("SE","r");
        if (fpp==NULL)
        {
            printf("\nERROR WITH THE SYSTEM FILE...[FILE MISSING]\n");
            getch();
            return 1;
        }
        else
            i=0;
        while(1)
        {
            ch=fgetc(fpp);
            if(ch==EOF)

```

```

        {
            check[i]='\0';
            break;
        }
        check[i]=ch-5;
        i++;
    }
    if(strcmp(pass,check)==0)
    {
        printf("\n\n\tACCESS GRANTED...\n");
        return 0;
    }
    else
    {
        printf("\n\n\tWRONG PASSWORD..\n\n\tACCESS DENIED...\n");
    }
}

printf("\n\n\t::YOU ENTERED WRONG PASSWORD::YOU ARE NOT ALLOWED
TO ACCESSANY FILE::\n\n\tPRESS ANY KEY TO GO BACK...");
getchar();
return 1;
}

void editpassword()
{
    system("clear");
    printf("\n");
    char pass[15]= {0},confirm[15]= {0},ch;
    int choice,i,check;
    FILE *fp;
    fp=fopen("SE","rb");
    if(fp==NULL)
    {
        fp=fopen("SE","wb");
        if(fp==NULL)
        {

```



```

        printf("SYSTEM ERROR...");
        getchar();
        return ;
    }
    fclose(fp);
    printf("\nSYSTEM RESTORED...\nYOUR PASSWORD IS 'ENTER'\n
PRESS ENTER TOCHANGE PASSWORD\n\n");
    getchar();
}
fclose(fp);
check=password();
if(check==1)
{
    return ;
}
do
{
    if(check==0)
    {
        i=0;
        choice=0;
        printf("\n\n\tENTER THE NEW PASSWORD:");
        scanf("%s",pass);
        fflush(stdin);
        /* pass[0]=getch();
        while(pass[i]!='\r')
        {
            if(pass[i]=='\b')
            {
                i--;
                printf("\b");
                printf(" ");
                printf("\b");
                pass[i]=getch();
            }

```

```

else
{
printf("*");
i++;
pass[i]=getch();
}
}
pass[i]='\0';
i=0;*/
printf("\n\tCONFIRM PASSWORD:");
scanf("%s",confirm);
/*confirm[0]=getch();
while(confirm[i]!='r')
{
if(confirm[i]=='\b')
{
i--;
printf("\b");
printf(" ");
printf("\b");
confirm[i]=getch();
}
else
{
printf("*");
i++;
confirm[i]=getch();
}
}
confirm[i]='\0';*/
if(strcmp(pass,confirm)==0)
{
    fp=fopen("SE","wb");
    if(fp==NULL)
    {

```

```

        printf("\n\t\tSYSTEM ERROR");
        getchar();
        return ;
    }
    i=0;
    while(pass[i]!='\0')
    {
        ch=pass[i];
        putc(ch+5,fp);
        i++;
    }
    putc(EOF,fp);
    fclose(fp);
}
else
{
    printf("\n\t\tTHE NEW PASSWORD DOES NOT MATCH.");
    choice=1;
}
}
} while(choice==1);
printf("\n\n\tPASSWORD CHANGED...\n\n\tPRESS ANY KEY TO GO BACK...");
getchar();
}
void deleterecord( )
{
    system("clear");
    FILE *fp,*fptr ;
    struct record file ;
    char filename[15],another = 'Y' ,time[10];;
    int choice,check;
    printf("\n\n\t\t*****\n");
    printf("\t\t* WELCOME TO DELETE MENU*");
    printf("\n\t\t*****\n\n");
    check = password();

```

```

if(check==1)
{
    return ;
}
while ( another == 'Y' )
{
    printf("\n\n\tHOW WOULD YOU LIKE TO DELETE.");
    printf("\n\n\t#DELETE WHOLE RECORD\t\t\t[1]");
    printf("\n\t#DELETE A PARTICULAR RECORD BY TIME\t[2]");
    do
    {
        printf("\n\t\tENTER YOU CHOICE:");
        scanf("%d",&choice);
        switch(choice)
        {
            case 1:
                printf("\n\tENTER THE DATE OF RECORD TO BE
DELETED:[yyyy-mm-dd]:");
                fflush(stdin);
                scanf("%s",&filename);
                fp = fopen (filename, "wb" ) ;
                if ( fp == NULL )
                {
                    printf("\nTHE FILE DOES NOT EXISTS");
                    printf("\nPRESS ANY KEY TO GO BACK.");
                    getchar();
                    return ;
                }
                fclose(fp);
                remove(filename);
                printf("\nDELETED SUCCESFULLY...");
                break;
            case 2:
                printf("\n\tENTER THE DATE OF RECORD:[yyyy-
mm-dd]:");

```

```

        fflush(stdin);
        scanf("%s",&filename);
        fp = fopen (filename, "rb" ) ;
        if ( fp == NULL )
        {
            printf("\nTHE FILE DOES NOT EXISTS");
            printf("\nPRESS ANY KEY TO GO BACK.");
            getchar();
            return ;
        }
        fptr=fopen("temp","wb");
        if(fptr==NULL)
        {
            printf("\nSYSTEM ERROR");
            printf("\nPRESS ANY KEY TO GO BACK");
            getchar();
            return ;
        }
        printf("\n\tENTER THE TIME OF RECORD TO BE
        DELETED:[hh:mm]:");

        fflush(stdin);
        scanf("%s",&time);
        while(fread(&file,sizeof(file),1,fp)==1)
        {
            if(strcmp(file.time,time)!=0)
                fwrite(&file,sizeof(file),1,fptr);
        }
        fclose(fp);
        fclose(fptr);
        remove(filename);
        rename("temp",filename);
        printf("\nDELETED SUCCESFULLY...");
break;
default:
        printf("\n\tYOU ENTERED WRONG CHOICE");

```

```
        break;
    }
    }while(choice<1||choice>2);
    printf("\n\tDO YOU LIKE TO DELETE ANOTHER RECORD.(Y/N):");
    fflush(stdin);
    scanf("%c",&another);
}
printf("\n\n\tPRESS ANY KEY TO EXIT...");
getchar();
}
```

## 6.OUTPUT

samthrusha@Samthrusha:~\$ ./p

```
*****
*PASSWORD PROTECTED PERSONAL DIARY*
*****
```

MAIN MENU:

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

ENTER YOUR CHOICE:1

```
*****
* WELCOME TO THE ADD MENU *
*****
```

ENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:2018-10-1

ENTER TIME:[hh:mm]:10:00

ENTER NAME:Pravalikha

ENTER PLACE:Kadapa

ENTER DURATION:2:hours

NOTE:Meeting

```
*****
*PASSWORD PROTECTED PERSONAL DIARY*
*****
```

MAIN MENU:

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

ENTER YOUR CHOICE:2

\*\*\*\*\*  
\* HERE IS THE VIEWING MENU \*  
\*\*\*\*\*

::FOR SECURITY PURPOSE::::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:pswd

ACCESS GRANTED...

ENTER THE DATE OF RECORD TO BE VIEWED:[yyyy-mm-dd]:2018-10-1

HOW WOULD YOU LIKE TO VIEW:

- 1.WHOLE RECORD OF THE DAY.
- 2.RECORD OF FIX TIME.

ENTER YOUR CHOICE:1

ENTER DATE OF YOUR RECORD:[yyyy-mm-dd]:2018-10-1

ENTER TIME:[hh:mm]:10:00

ENTER NAME:Pravalikha

ENTER PLACE:Kadapa

ENTER DURATION:2:hours

NOTE:Meeting

\*PASSWORD PROTECTED PERSONAL DIARY\*

\*\*\*\*\*

MAIN MENU:

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

ENTER YOUR CHOICE:3

\*\*\*\*\*  
\* WELCOME TO THE EDITING MENU \*  
\*\*\*\*\*

::FOR SECURITY PURPOSE::::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:pswd

ACCESS GRANTED...



ENTER THE DATE OF RECORD TO BE EDITED:[yyyy-mm-dd]:2018-10-1

ENTER TIME:[hh:mm]:10:00

YOUR OLD RECORD WAS AS:

TIME: 10:00

MEETING WITH: Pravalikha

MEETING AT: Kadapa

DURATION: 2:hours

NOTE: Meeting

WHAT WOULD YOU LIKE TO EDIT..

1.TIME.

2.MEETING PERSON.

3.MEETING PLACE.

4.DURATION.

5.NOTE.

6.WHOLE RECORD.

7.GO BACK TO MAIN MENU.

ENTER YOUR CHOICE:1

ENTER THE NEW DATA:

NEW TIME:[hh:mm]:11:00

EDITING COMPLETED...

-----  
THE NEW RECORD IS:

-----  
TIME: 11:00

MEETING WITH: Pravalikha

MEETING AT: Kadapa

DURATION: 2:hours

NOTE: Meeting

WOULD YOU LIKE TO EDIT ANOTHER RECORD.(Y/N)

1 FILE IS EDITED...

PRESS ENTER TO EXIT EDITING MENU.

\*PASSWORD PROTECTED PERSONAL DIARY\*

\*\*\*\*\*

MAIN MENU:

ADD RECORD [1]  
VIEW RECORD [2]  
EDIT RECORD [3]  
DELETE RECORD [4]  
EDIT PASSWORD [5]  
EXIT [6]  
ENTER YOUR CHOICE:4

\*\*\*\*\*  
\* WELCOME TO DELETE MENU\*  
\*\*\*\*\*

::FOR SECURITY PURPOSE:::ONLY THREE TRIALS ARE ALLOWED::

ENTER THE PASSWORD:pswd

ACCESS GRANTED...

HOW WOULD YOU LIKE TO DELETE.

#DELETE WHOLE RECORD [1]  
#DELETE A PARTICULAR RECORD BY TIME [2]  
ENTER YOU CHOICE:1

ENTER THE DATE OF RECORD TO BE DELETED:[yyyy-mm-dd]:2018-09-25

DELETED SUCCESFULLY...

DO YOU LIKE TO DELETE ANOTHER RECORD.(Y/N):

PRESS ANY KEY TO EXIT...

\*PASSWORD PROTECTED PERSONAL DIARY\*  
\*\*\*\*\*

MAIN MENU:

ADD RECORD [1]  
VIEW RECORD [2]  
EDIT RECORD [3]  
DELETE RECORD [4]  
EDIT PASSWORD [5]  
EXIT [6]  
ENTER YOUR CHOICE:5

ENTER THE NEW PASSWORD:mini

CONFIRM PASSWORD:mini  
\*PASSWORD PROTECTED PERSONAL DIARY\*  
\*\*\*\*\*

MAIN MENU:

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

ENTER YOUR CHOICE:6

THANK YOU FOR USING THE SOFTWARE\*/

## CONCLUSION

As many of us have the habit of writing diaries about their memories , important notes , or any other details. In this application we are providing a secured and comfortable platform for the user to save their memories and any of their important details in a safe and secured manner.

It is a something a difficult task to keep our diaries neatly for an years . If we save the details in a digital way it can be saved for years without any change and in a secured manner.

## 5. REFERENCES

**5.1 Link:** <https://www.codewithc.com/mini-project-in-c-personal-diary-management-system/>

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