PERSONAL DAIRY MANAGEMENT

A Project Report submitted to Bishop Heber College (Autonomous)Tiruchirappalli affiliated to Bharathidasan University, Tiruchirappalli -620024 in partial fulfillment of the requirements for the award of the degree of

Bachelor of Vocation in Informationn Technology

by

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Under the guidance of

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(Nationally Re-accredited with „A" Grade by NAAC with a CGPA of 3.58 out of 4)

(Recognized by UGC as "College of Excellence")

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CERTIFICATE

The Viva-Voce Examination for the candidate **SANKARANARAYANAN.M (Reg.No. 215915143)** was held on_______________________________________.

Signature of the HOD

Examiner.

1.

2.

Dr. M. Uma Maheswari MCA., M.Phil., Ph.D. Assistant professor, Department of Information Technology , Bishop Heber College (Autonomous), Tiruchirappalli –
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Date:

CERTIFICATE

This is to certify that the project work entitled **“PERSONAL DIARY MANAGEMENT”** is a bonafide work done under my supervision by **SANKARANARAYANAN.M (Reg. No. 215915143)** and submitted to Bishop Heber College (Autonomous), Tiruchirappalli – 620017 in partial fulfilment of the requirements for the award of the degree of Bachelor of Vocation in Information Technology during the odd semester of the academic year (2020 – 2021)

Signature of the Guide

DECLARATION

I hereby declare that the work presented in this project work report is the original work done by me under the guidance of **Dr. M. Uma Maheswari MCA., M.Phil., Ph.D.** , Assistant Professor and Department of information technology, Bishop Heber College (Autonomous), Tiruchirappalli – 620 017 and has not been included in any other project work submitted for any other degree.

Name of the Candidate : SANKARANARAYANAN.M

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Semester : FIRST

Academic Year : 2021 – 2022

Course code : U19IT1F1

Signature of the Candidate

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I wish to place on record my gratitude **Dr. M. Uma Maheswari MCA., M.Phil., Ph.D.** Assistant Professor, Department of Information Technology, Bishop Heber College (Autonomous), Trichy for her support during this project work.

I record my deep sense of gratitude to my beloved parents and my friends for their encouragement and moral support extended during the period of my projectt.

SANKARANARAYANAN.M

SYNOPSIS

Personal Diary Management System is based on concept to generate Personal Daily Records and to add records & update it. Here User can add their daily details safely and it’s not time consuming. Each Section contain high security so there is no chance of data loss. There’s maximum privacy to the recorded files. This System makes easy to store daily records. The whole project is designed in ‘C’ language and different variables and strings have been used for the development of this project. This mini project is easy to operate and understand by the users. This is a simple mini project in C, built as a console application without using any graphics features. It’s easy to operate and understand by users. There is no any error and warning contents in the project. The design is so simple that user won’t find it difficult to use and navigate.

CONTENT

1. INTRODUCTION

In this console application, you can add, view, edit and delete records. Records can be added with many information such as duration of task, name, address, time and date. File handling has been effectively used to keep the records.

The Diary Management System was created in a simple console application, the system is strictly prohibited to be access openly, you need to enter a correct user login information in order to user the system. The user can do many in the system in the system, he/she can add new Diary Detail, View Diary List, Change Current Password. The system can provide you all the necessary function that can manage the diary detail that been keep

2.SYSTEM STUDY

System analysis is a process of gathering the facts concerning the system breaking them into elements and relationship between elements; it provides a framework for visualizing the organizational and environmental factors that operate on a system. The quality of work performed by a machine is usually uniform, neat and more reliable when compared to doing the same operations manually

2.1 PROJECT DESCRIPTION

Personal Diary Management System is a console application without graphics. 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.

This mini project on Personal Diary Management in C is compiled in Code::Blocks IDE using GCC compiler. It is complete and totally error-free..

2.1.1 EXISTING SYSTEM

Personal diary management system is useful for managing your personal diary. It is a very useful software for maintaining a diary protection. Although it has a command-line interface it is very easy to use and implement

2.1.2 PROPOSED SYSTEM

It's a simple program of 'C' with I/O. Which will help you to manage your personal diary.

Don't through diary.txt out of the folder. Because it might not created by this program. If you want to create if the .txt file, then you have to edit the program. Just open the file 'w+' mode.

Then, It will do one thing. That is, if file not exits then create it.

3.REQUIREMENTS ANALYSIS

For efficient use all computer software and hardware components and other software sources in the computer system where it is used. These prerequisites are known as computer or system requirements. The hardware and software requirements of the system are given as below.

3.1 HARDWARE REQUIREMENT

Processor	: AMD PRO A4-4350B COMPUTE CORES 2C+3G
RAM	: 2GB
Hard disk	: 250 GB
Keyboard	: Standard keyboard
Monitor	: 14 inch color monitor

3.2 SOFTWARE REQUIREMENT

Front End	: C&C++
Platform	: Windows 7 (or) 10

FRONT END(C):

4.SYSTEM DESIGN

entities. An entity refers to a chunk System design is the process of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. System design could be seen as the application of system theory to product development.

. 4.1 LOGICAL DESIGN

Logical design is an abstract concept in computer programming by which programmers arrange data in a series of logical relationships known as attributes or of information, whereas an attribute defines the unique properties of an entity.

PERSONAL DIARY MANGMENT

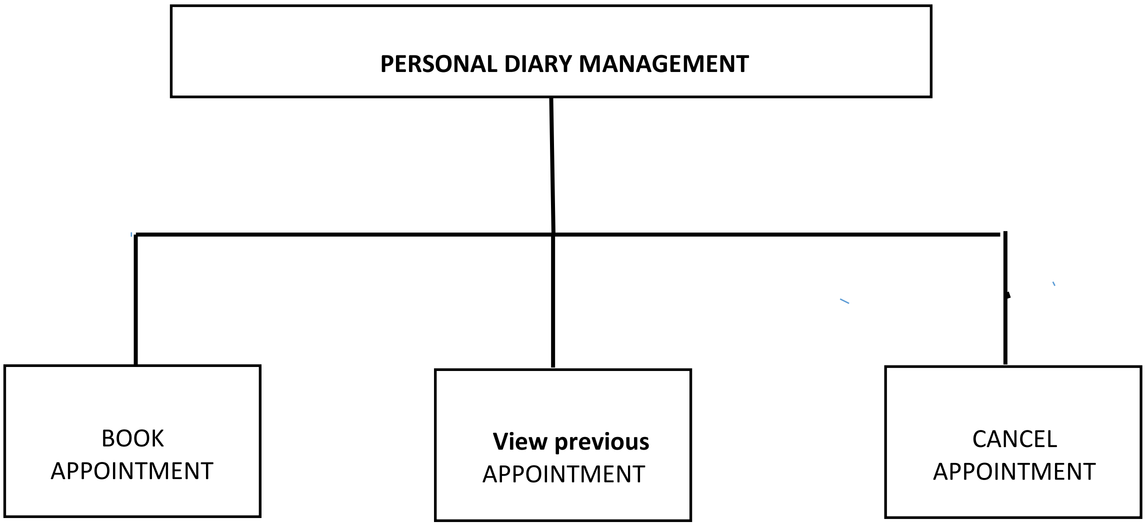


Fig.4.1 Logical Design

4.2.PROGRAM DESIGN

Program design is the activity of progressing from a specification of some required program to a description of the program itself. Most phase models of the software life cycle recognize program design is one of the phase. The input to this phase specification of what the program is required to do. During the phase the design decisions are made as to how the program will meet these requirements, and the output of the phase is a description of the program in some form that provides a suitable basis for subsequent implementation.

4.3 MODULE DESCRIPTION

MODULES

1. NEW DIARY RECORD
2. ABBEND NEW DIARY REGARD
3. VIEW PREVIOUS
4. EXIT

TO ADD NEW RECORD:

It means to add new record for a user . It was the first

TO ABBEND NEW RECORD:

It means to adding a new at same page. It was the second module

TO VIEW PRIVIOUS RECORD

It means to view previous record . It was the third module.

5. SYSTEM DEVELOPMENT

Systems development is the process of defining, designing, testing, and implementing a new software application or program. It could include the internal development of customized systems, the creation of database systems, or the acquisition of third party developed software. Written standards and procedures must guide all information systems processing functions. The organization's management must define and implement standards and adopt an appropriate system development life cycle methodology governing the process of developing, acquiring, implementing, and maintaining computerized information systems and related technology.

5.1 PROGRAM DEVELOPMENT:

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>

Void welcome_message();
Int insert();
Int append();
Int view();

Int main()
{
   FILE *fp;
   Char press;
   Int num;
First:
   Printf("\n\n---- Press ----- operation ------\n\n");
   Printf("    '+' ------ add new note    \n");
   Printf("    'a' ------ append new note    \n");
   Printf("    'v' ------ View Previous    \n");
   Printf("    'e' ------ Exit Program    \n\n");
```

```
    Printf("------------------------------\n\n");

While(1)
{
    Scanf("%c",&press);

    If (press == '+'){
        Insert();
        Printf("Press '1' for continue\n'0' for Exit\n");
        Scanf("%d", &num);
        If (num == 1){
            Goto First;
        }
        Else{
            Break;
        }
    }
    Else if (press == 'a'){
        Append();
        Printf("Press '1' for continue\n'0' for Exit\n");
        Scanf("%d", &num);
        If (num == 1){
            Goto First;
        }
        Else{
            Break;
        }
    }
    Else if (press == 'v'){
        View();
        Printf("Press '1' for continue\n'0' for Exit\n");
        Scanf("%d", &num);
        If (num == 1){
            Goto First;
        }
        Else{
            Break;
        }
    }
    Else if (press == 'e'){
        Return 0;
    }
    Else{
        Printf(“Please press correct key.\n”);
    }
}
    Return 0;
}

Void welcome_message() {
    Printf(“---***---***----***----***----***---\n\n”);
    Printf(“|←     Welcome to our Diary    →|\n\n”);
    Printf(“---***---***----***----***---***---\n\n”);
}

Int insert(){
    FILE *fp;
    Char note[2000], date[20] ;
    Welcome_message();
    Printf(“Enter date of your note : “);
    Scanf(“%s”, date);
    //printf(“%s”,date);
    Printf(“\n”);
    Printf(“Just write your note from here….\n--→>”);
    Scanf(“ %[^\n]s”,note);
    Fp = fopen(“diary.txt”, “w”);
    Fprintf(fp, date);
    Fprintf(fp, “\n”);
    Fprintf(fp, note);
    Fprintf(fp, “\n\n”);
    Printf(“\nSuccessfully Copied…..:)\n”);
    Fclose(fp);
    Return 0;
}

Int append() {
    FILE *fp;
    Char note[2000], date[20] ;
    Welcome_message();
    Printf(“Enter date of your note : “);
    Scanf(“%s”, date);
    //printf(“%s”,date);
    Printf(“\n”);
    Printf(“Just write your note from here….\n--→>”);
    Scanf(“ %[^\n]s”, note);
    Fp = fopen(“diary.txt”, “a”);
```

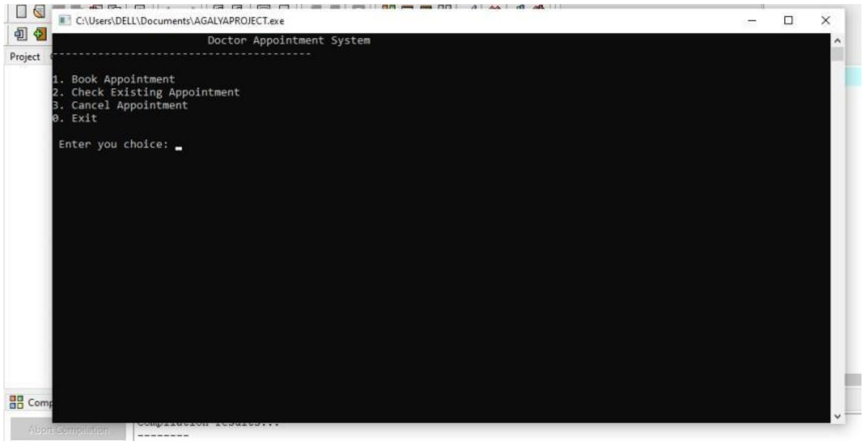
```
   Fprintf(fp, date);
   Fprintf(fp, “\n”);
   Fprintf(fp, note);
   Fprintf(fp, “\n\n”);
   Printf(“\nSuccessfully Copied…..:)\n”);
   Fclose(fp);
   Return 0;
}

Int view() {
   FILE *fp;
   Char ch;
   Fp = fopen(“diary.txt”, “r”);
   If (fp == NULL){
      Perror(“Error while opening the file.\n”);
      Exit(EXIT_FAILURE);
   }
   Printf(“\nYour previous note : \n\n”);

Printf(“===============================================================
===================\n”);

   While( ( ch = fgetc(fp) ) != EOF ){
      Printf(“%c”, ch);
   }
   Printf(“\n”);

Printf(“===============================================================
===================\n”);
   Fclose(fp);
   Return 0;
}
```

6 SYSTEM TESTING

System testing is the process of evaluation and software item to detect differences testing assesses the quality of the product. Software testing is a process that should be done during the development process. In other words, software testing is a verification and validation process.

6.1 UNIT TESTING

Unit testing verification efforts on the smallest unit of software design, module. This is known as "Module Testing" After testing every field in the modules, the modules of the project is tested separately. Unit testing focuses verification efforts on the smallest unit of software design and field. For example, Username and Password are entered in correct manner and checked

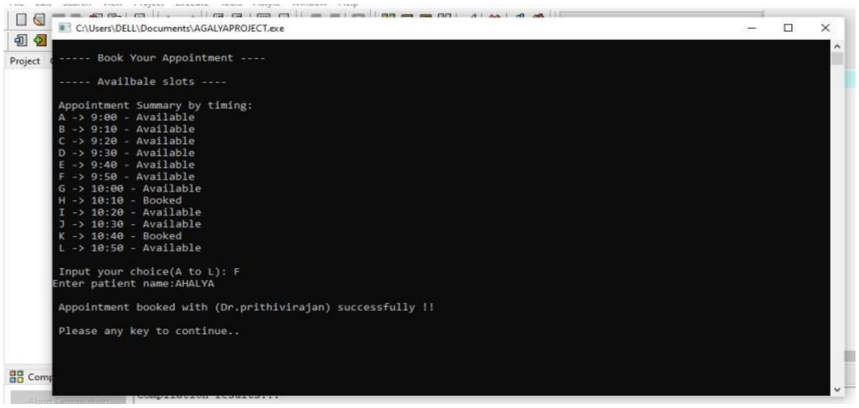


```
                        Doctor Appointment System
-----------------------------------------

1. Book Appointment
2. Check Existing Appointment
3. Cancel Appointment
0. Exit

 Enter you choice: 
```

Fig.6.1 UNIT TESTING

6.2 INTEGRATION TESTING

Integration testing is done to take unit-tested modules and build a program structure that has been dedicated by design. All the modules were integrated after the completion of unit test.he modules are integrated by moving downwards through the control hierarchy, beginning with the main module

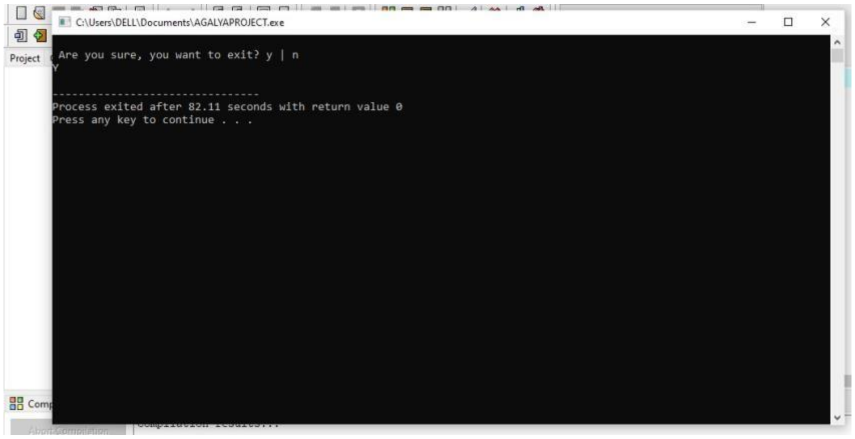


```
----- Book Your Appointment ----

----- Availbale slots ----

Appointment Summary by timing:
A -> 9:00 - Available
B -> 9:10 - Available
C -> 9:20 - Available
D -> 9:30 - Available
E -> 9:40 - Available
F -> 9:50 - Available
G -> 10:00 - Available
H -> 10:10 - Booked
I -> 10:20 - Available
J -> 10:30 - Available
K -> 10:40 - Booked
L -> 10:50 - Available

Input your choice(A to L): F
Enter patient name:AHALYA

Appointment booked with (Dr.prithivirajan) successfully !!

Please any key to continue..
```

Fig.6.2 INTEGRATION TESTING

6.3 VALIDATION TESTNG

Validation testing provides the assurance that software meets ail functional, behavioral and performance recruitments, Validation testing can be defined as the software functions in manner that is expected by the user.



```
Are you sure, you want to exit? y | n
Y


--------------------------------
Process exited after 82.11 seconds with return value 0
Press any key to continue . . .
```

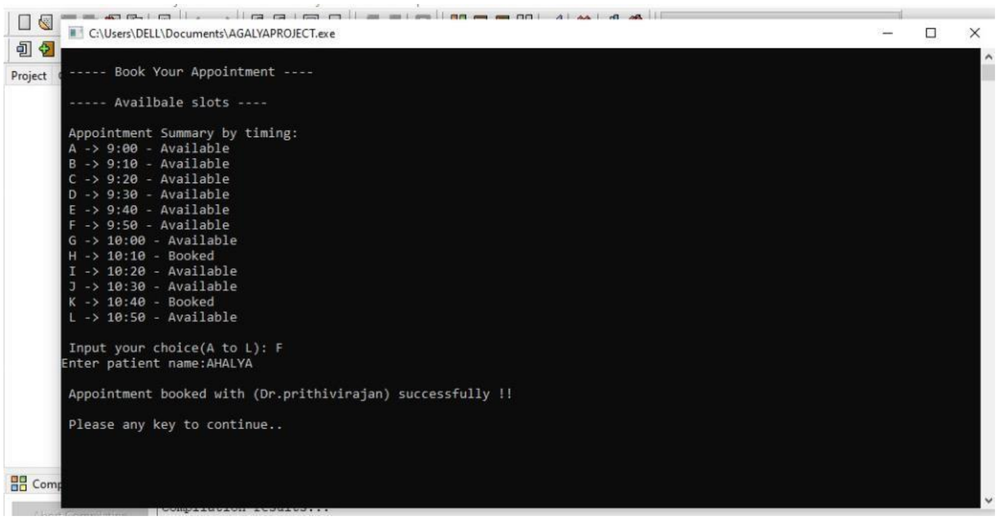
Fig.6.3 VALIDATION TESTNG

7.SYSTEM IMPLEMENTATION

Implementation is the stage of the project when the theoretical design is turned out working system. Thus, it can be consider being the most critical stage m achieving successful new system and in giving the user, confidence that the new system will week and he effective The main objective of this user manual is to introduce the user manual is to introduce he user with the available facilities in the Download Manager It provides a conceptual overview of the functioning of the system and the detailed discussion and reports.

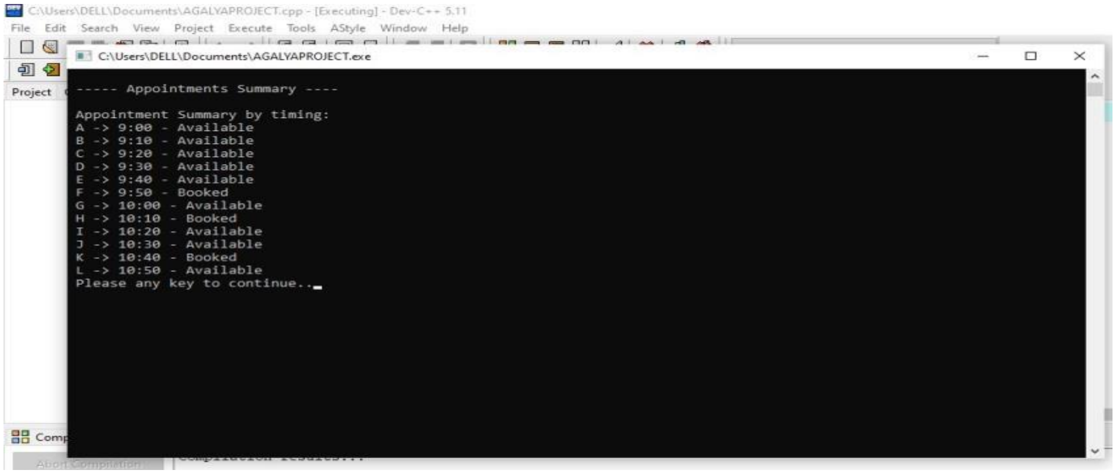
7.1.SCREENSHOTS

Fig. 7.1. Menu View



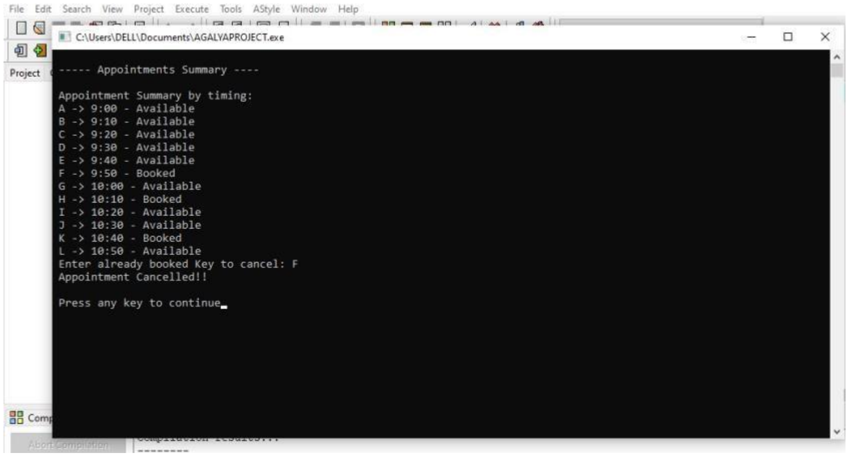
```
----- Book Your Appointment ----

----- Availbale slots ----

Appointment Summary by timing:
A -> 9:00 - Available
B -> 9:10 - Available
C -> 9:20 - Available
D -> 9:30 - Available
E -> 9:40 - Available
F -> 9:50 - Available
G -> 10:00 - Available
H -> 10:10 - Booked
I -> 10:20 - Available
J -> 10:30 - Available
K -> 10:40 - Booked
L -> 10:50 - Available

Input your choice(A to L): F
Enter patient name:AHALYA

Appointment booked with (Dr.prithivirajan) successfully !!

Please any key to continue..
```

Fig. 7.2 Book appointment


C:\Users\DELL\Documents\AGALYAPROJECT.cpp - [Executing] - Dev-C++ 5.11
File
Edit
Search
View
Project
Execute
Tools
AStyle
Window
Help
C:\Users\DELL\Documents\AGALYAPROJECT.exe
Project
Comp

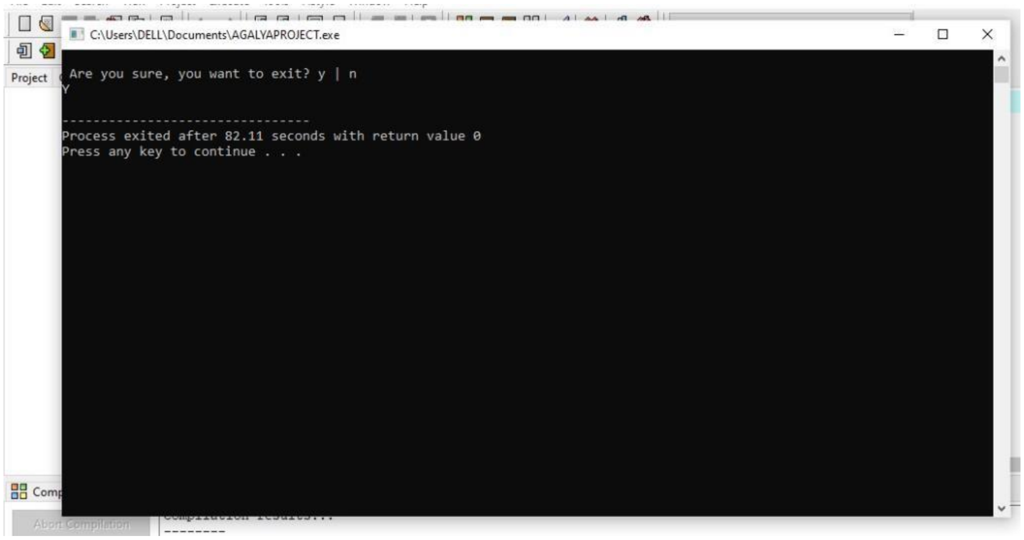
```
----- Appointments Summary ----

Appointment Summary by timing:
A -> 9:00 - Available
B -> 9:10 - Available
C -> 9:20 - Available
D -> 9:30 - Available
E -> 9:40 - Available
F -> 9:50 - Booked
G -> 10:00 - Available
H -> 10:10 - Booked
I -> 10:20 - Available
J -> 10:30 - Available
K -> 10:40 - Booked
L -> 10:50 - Available
Please any key to continue..
```

Fig. 7.3 Check appointment



```
----- Appointments Summary ----

Appointment Summary by timing:
A -> 9:00 - Available
B -> 9:10 - Available
C -> 9:20 - Available
D -> 9:30 - Available
E -> 9:40 - Available
F -> 9:50 - Booked
G -> 10:00 - Available
H -> 10:10 - Booked
I -> 10:20 - Available
J -> 10:30 - Available
K -> 10:40 - Booked
L -> 10:50 - Available
Enter already booked Key to cancel: F
Appointment Cancelled!!

Press any key to continue
```

Fig. 7.4.Cancel Appointment



```
Are you sure, you want to exit? y | n
Y

--------------------------------
Process exited after 82.11 seconds with return value 0
Press any key to continue . . .
```

Fig. 7.5.Exit

8. CONCLUSION

In future can update this project to sending a normal message as appointment confirmed or not to the patient with the exact date and time and in future can give another choice for patient like regular patient or temporary if they choose regular patient then they are marked as regular patient and then they can choose appointment with their Convenient time. This project is more useful for patients without wasting time to wait in the hospital.

BIBLIOGRAPHY

BOOK REFERENCES

Mohammad Ashraful Islam

Iashraful

Bugs are buying food for me.

*nix Fan, Open Source Contributor, Problem Solver, Python Lover, JS fan