Internship Module1 Report

Project Name: Calendar

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INTRODUCTION:

The project created in C language is named **Calculator**. It is used to display month by month calendar of a given year. The primary practical use of a calendar is to identify days: to be informed about or to agree on a future event and to record an event that has happened. Days may be significant for agricultural, civil, religious, or social reasons.

In this Calendar project, 3-important operations are done:

1. Find the day corresponding to a given date.
2. Open full month calendar.
3. Add Notes

REQUIREMENTS:

High Level Requirements:

| Description	Status
1) Main Menu	Implemented
2) Data Saving	Implemented
3) Date Finding	Implemented

Low Level Requirements:

Description	Status
1) New calendar should give the day-name for entered date.	Implemented
2) Should display the complete month calendar which is entered by user.	Implemented
3) Should be able to add notes	Implemented

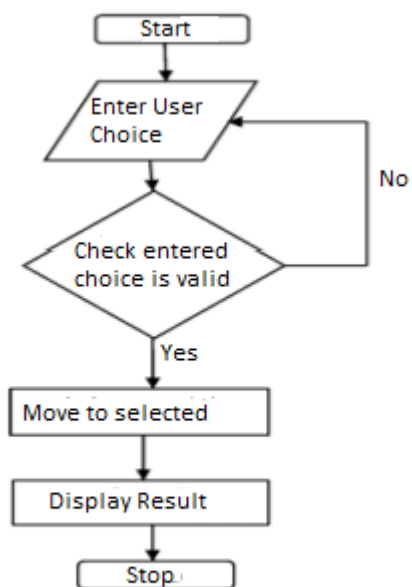## ARCHITECTURE DIAGRAMS:

Structure Diagram:
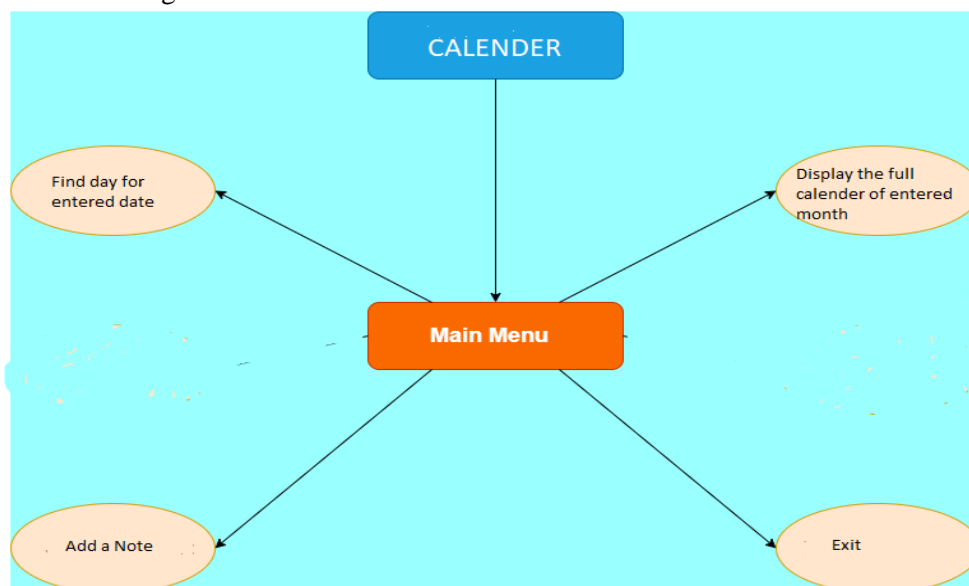
Activity Diagram:
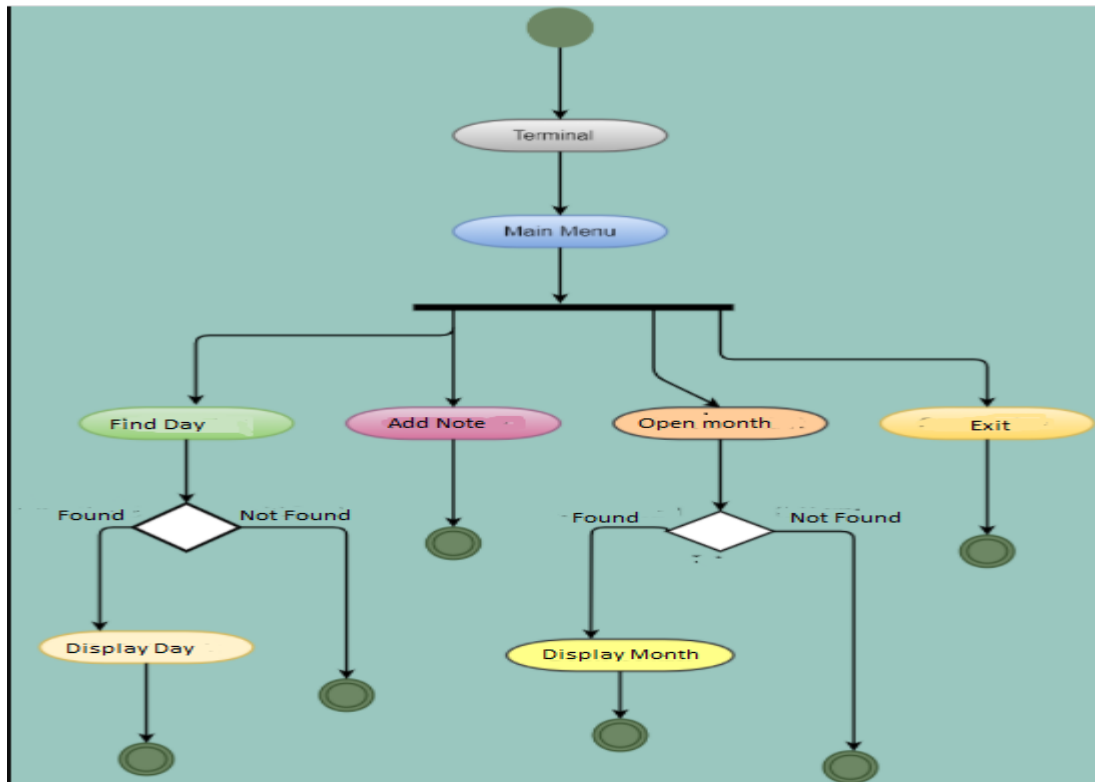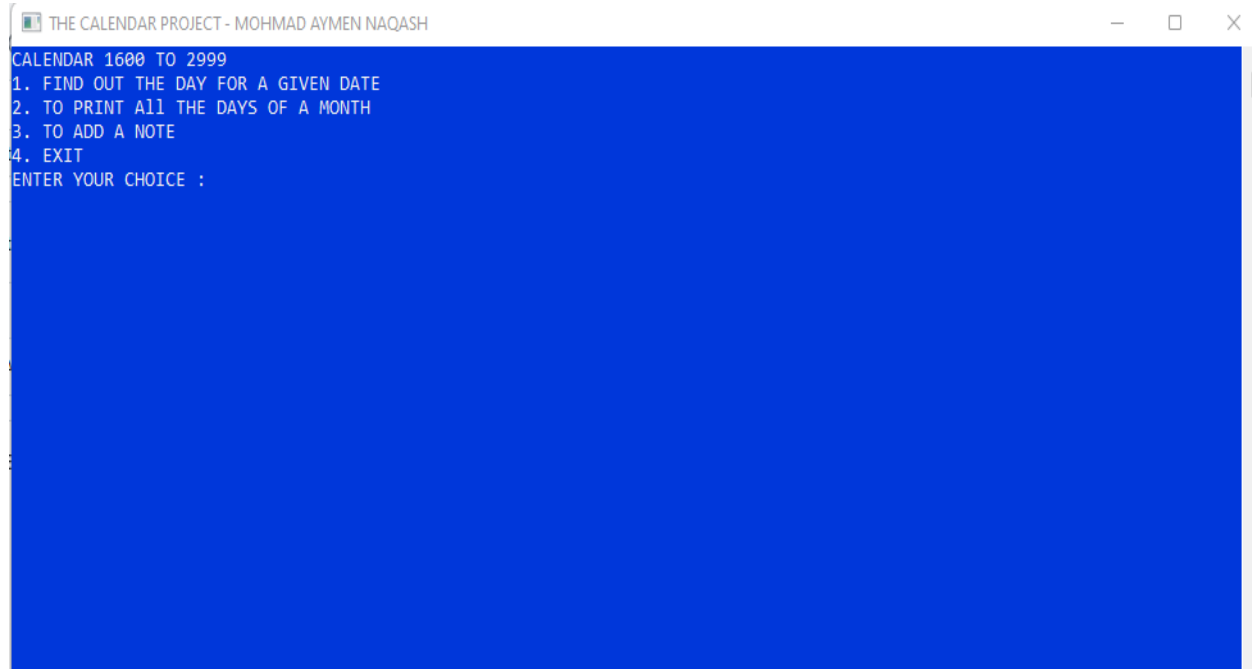

Behavioral Diagram flow chart:
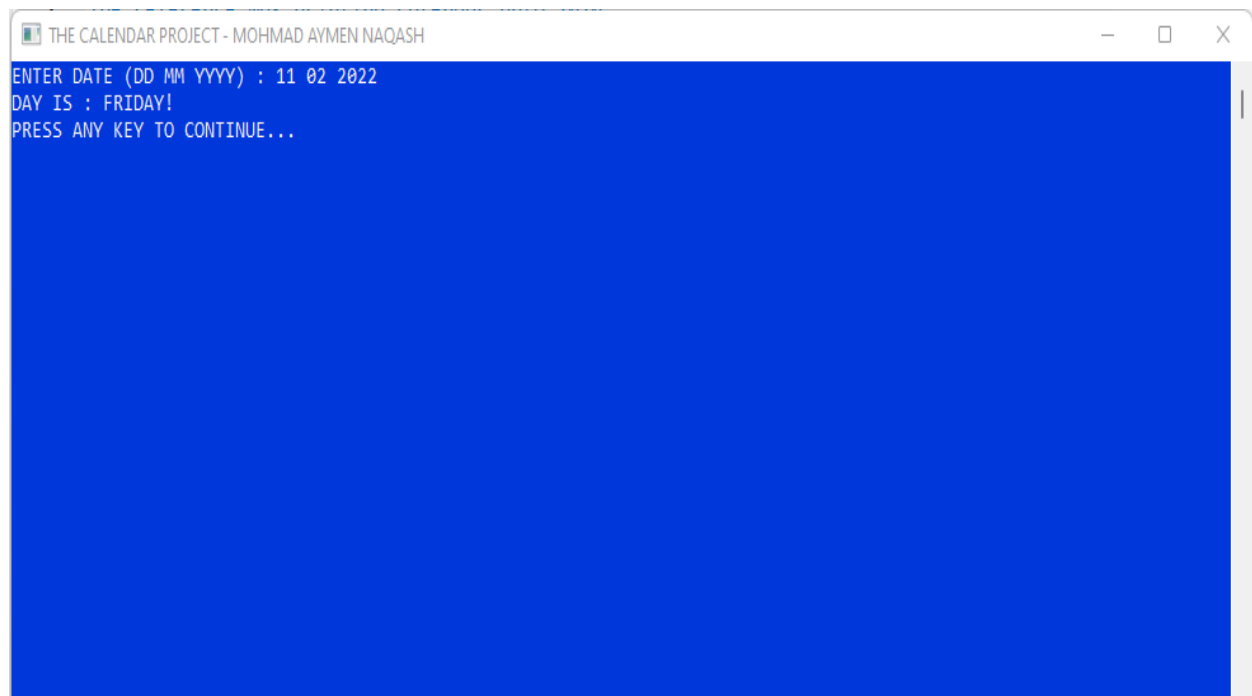
Code Implementation/Output:

Main Menu:


```
THE CALENDAR PROJECT - MOHMAD AYMEN NAQASH                    —  □  ✕

CALENDAR 1600 TO 2999
1. FIND OUT THE DAY FOR A GIVEN DATE
2. TO PRINT All THE DAYS OF A MONTH
3. TO ADD A NOTE
4. EXIT
ENTER YOUR CHOICE :
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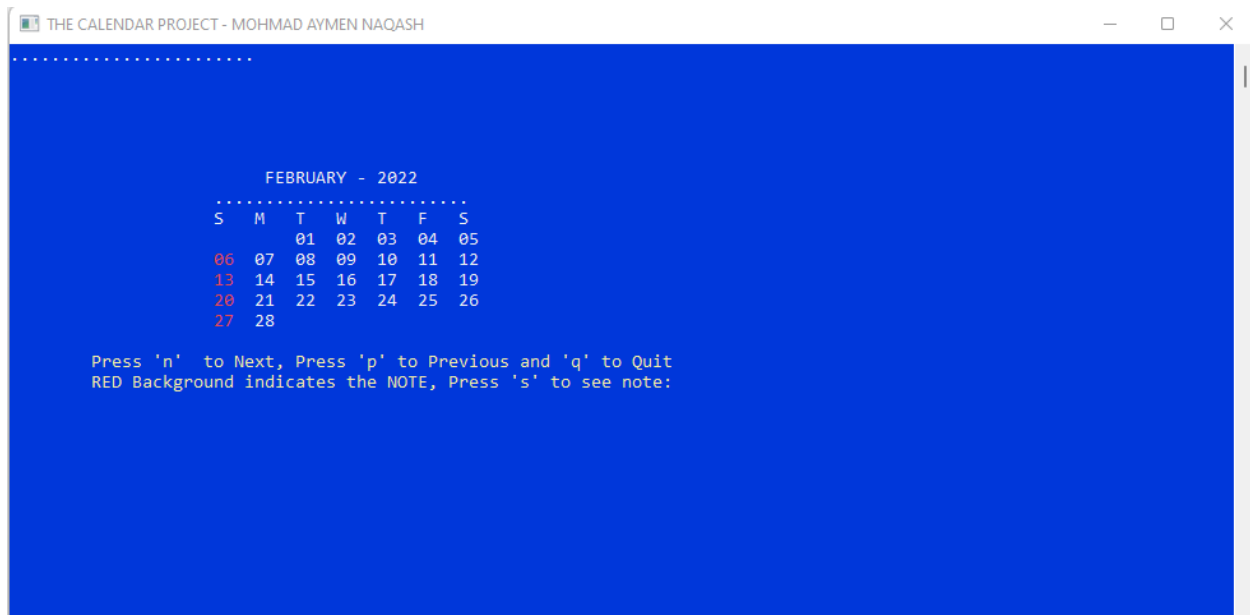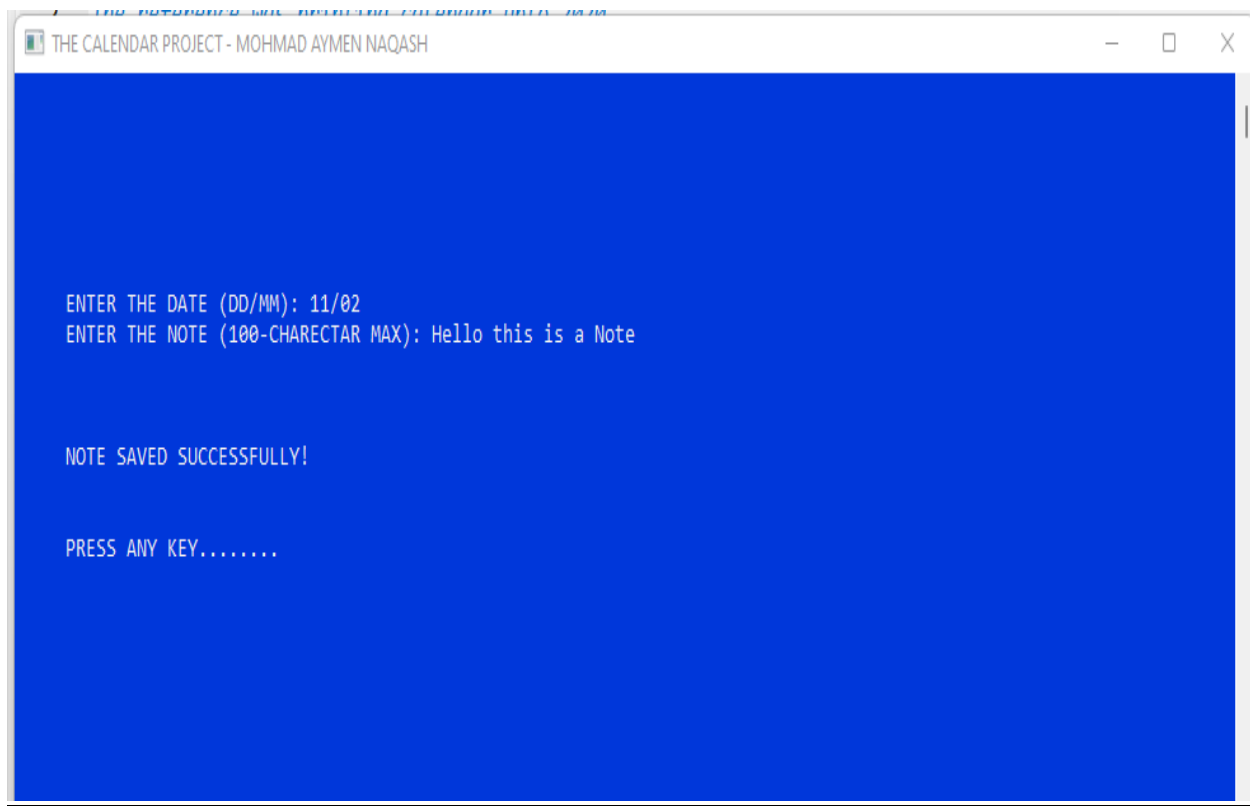
Showing DAY for given date:


```
THE CALENDAR PROJECT - MOHMAD AYMEN NAQASH                    —  □  ✕

ENTER DATE (DD MM YYYY) : 11 02 2022
DAY IS : FRIDAY!
PRESS ANY KEY TO CONTINUE...
```

Displaying full month calendar:


```
THE CALENDAR PROJECT - MOHMAD AYMEN NAQASH                          —  □   ×
........................

                    FEBRUARY - 2022
                    ........................
                S   M   T   W   T   F   S
                        01  02  03  04  05
                06  07  08  09  10  11  12
                13  14  15  16  17  18  19
                20  21  22  23  24  25  26
                27  28

        Press 'n'  to Next, Press 'p' to Previous and 'q' to Quit
        RED Background indicates the NOTE, Press 's' to see note:
```

Saving Entered Note:


```
THE CALENDAR PROJECT - MOHMAD AYMEN NAQASH                          —  □   ×

        ENTER THE DATE (DD/MM): 11/02
        ENTER THE NOTE (100-CHARECTAR MAX): Hello this is a Note



        NOTE SAVED SUCCESSFULLY!


        PRESS ANY KEY........
```

Test Plan:

TABLE: High Level Test Plan

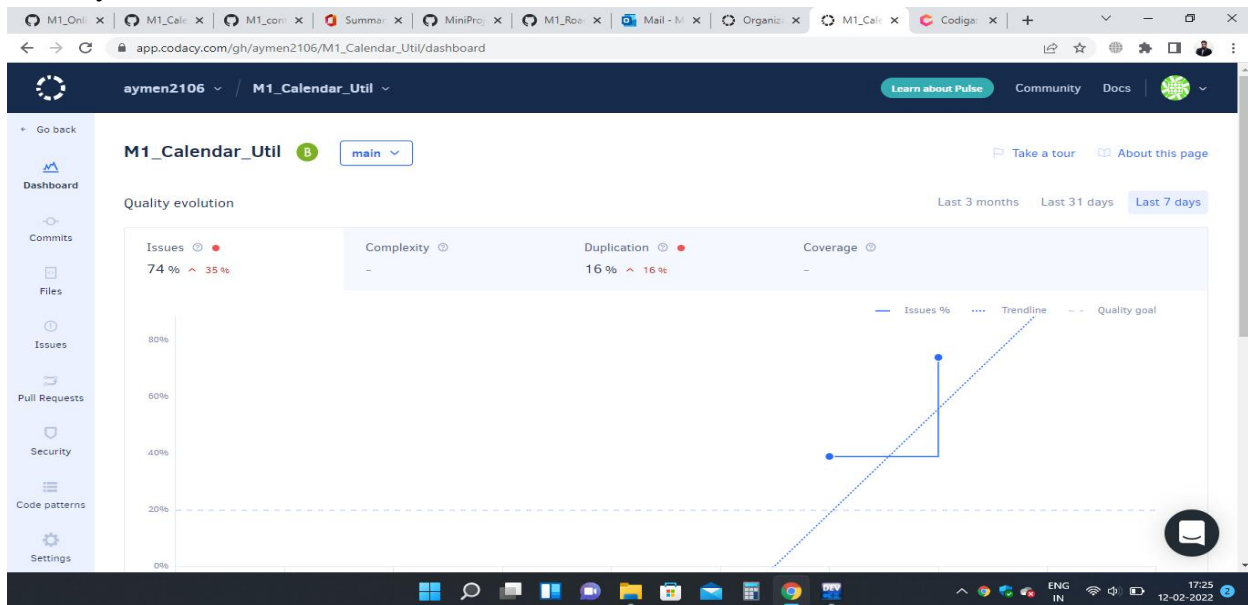| Test ID	Description	Exp I/P	Exp O/P
H_01	Check if the main menu is opening after compilation.	No input.	Main menu displayed
H_02	Check if system is asking to enter 1or2or3or4	1or2or3or4 i/p from the user/computer.	Moving to next menu based on user choice

TABLE: LOW LEVEL TEST PLAN

Test ID	Description	Exp I/P	Exp O/P
L_01	Check if Day is displayed for entered date	Enter date (dd mm yyyy)	DAY
L_02	Check if calendar is displayed for entered month	Enter month (mm yyyy)	Full month calendar
L_01	Check if Note is saved for entered date	Enter NOTE	Note is saved

CODE CHECKER:

Codiga:

Codacy:

References:
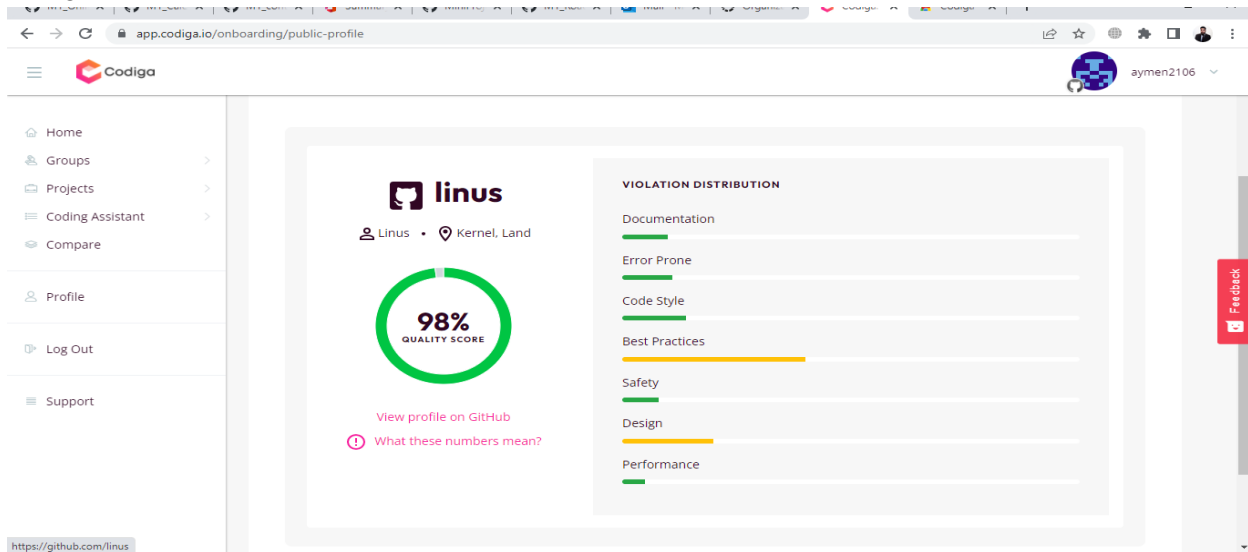
- https://successfulstepsblog.com/2017/11/19/5-benefits-of-using-a-calendar-every-day/
- https://www.youtube.com/c/Knowledge360Channel/videos
- The reference code was displaying calendar up to 2020. I have added the feature to display the calendar from 1600-2999.