L&T Technology Services

Internship Module1 Report

Project Name: Calendar

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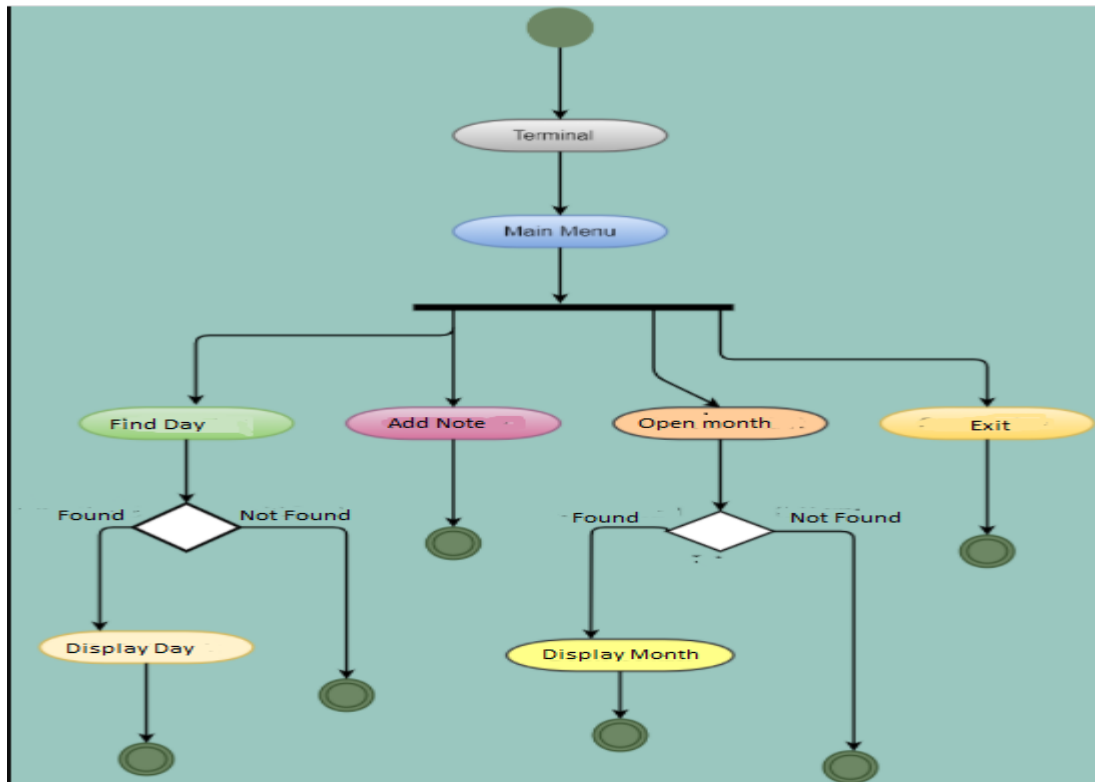
- ## **INTRODUCTION:**
  The project created in C language is named **Calculator**. It is used to display month by month calendar of a given year. The primary practical use of a calendar is to identify days: to be informed about or to agree on a future event and to record an event that has happened. 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 :
```

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:

Saving Entered Note:
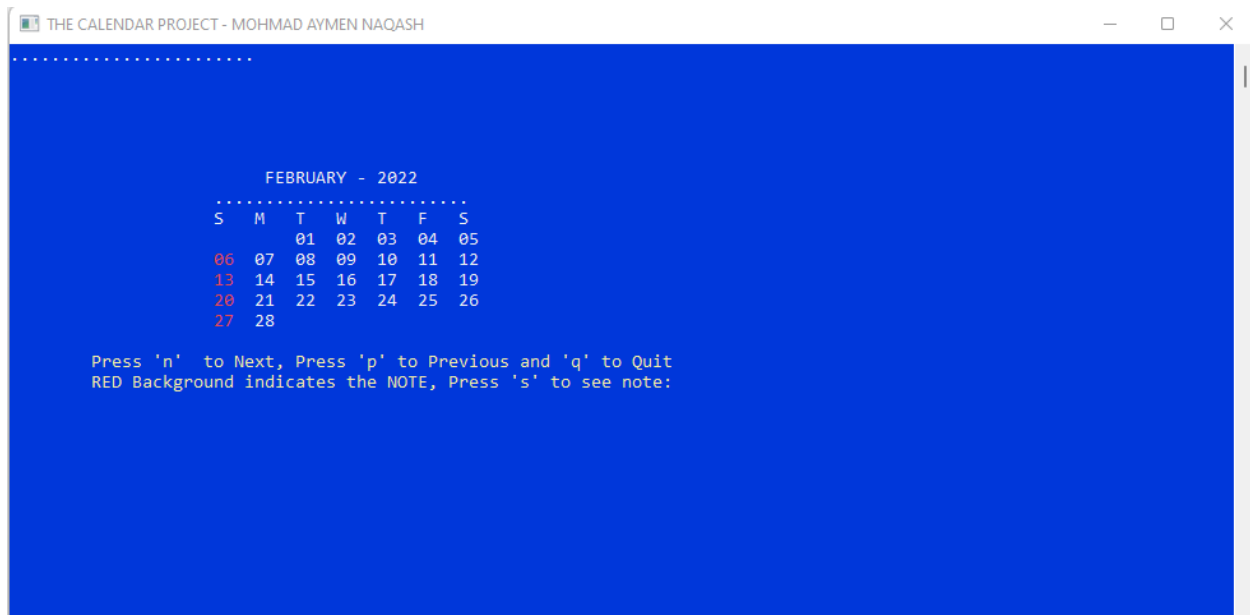
Test Plan:

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

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- **References:**
- https://successfulstepsblog.com/2017/11/19/5-benefits-of-using-a-calendar-every-day/
- https://drive.google.com/file/d/1h4gYY9qT71Dfqrs1qRN51ZKLHngKRkw4/view
  The reference code was displaying calendar up to 2020. I have added the feature to display the calendar from 1600-2999.