PROJECT PROPOSAL

SEMESTER FIRST

PHONEBOOK MANAGEMENT SYSTEM

BY:

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1. Introduction:

C is a powerful general-purpose programming language. It can be used to develop software like operating systems, databases, compilers, and so on. C programming is an excellent language to learn to program for beginners. Since the beginning of the semester, we have been learning C-Programming Language. Hence, now we will use all the C knowledge of coding and programming we have learnt till now to develop a real-life project using Dev C++ application. The title of the program is to develop a program which deals with the combination of structure, arrays, file pointers and other functions. Phonebook management system project in C is a simple console application built without the use of graphics. In this project, users can add a new phone record, display existing phone records, search a particular phone record and delete phone records.

1.1. Features:
a) Simple

b) Machine Independent or Portable

c) Mid-level programming language

d) structured programming language

e) Rich Library

f) Memory Management

g) Fast Speed

h) Pointers

1.2. Invitation:
The proposal of C project is prepared with the main aim of checking the student knowledge and skills by completing this given project within a time period. The complete proposal is to be submitted to our respective course of Asia e University from the Virinchi College.

2. Proposed System and Objectives

"Phonebook" is a simple application, which is especially generated and designed for the users for file handling operations such as how to add, modify, list and delete phone records using file. There are more than 600 million mobile phone users around the world and its success lies in being available anytime and anywhere.

Following are the major objective:

- To develop an "Phonebook Management system" application using C programming language.
- This program helps user to store complete information under single contact number.
- User in this program has options to storage, deletion and modification of the entered contact.

2.1. Features:

- o Add phone record
- o Search phone record
- o Remove phone record
- o Modify phone record
- o Delete all content

2.2.   Scope of the project:

This program has a wide scope of knowledge for all the students which will help them gain a better knowledge in their academic field.

- ➢ To show the level of understanding and skills of students after learning C-programming.
- ➢ To help student master the way of coding and programming using C application.
- ➢ To check the skills of the student in using C program.
- ➢ To utilize their learning and showcase their talent through this project.
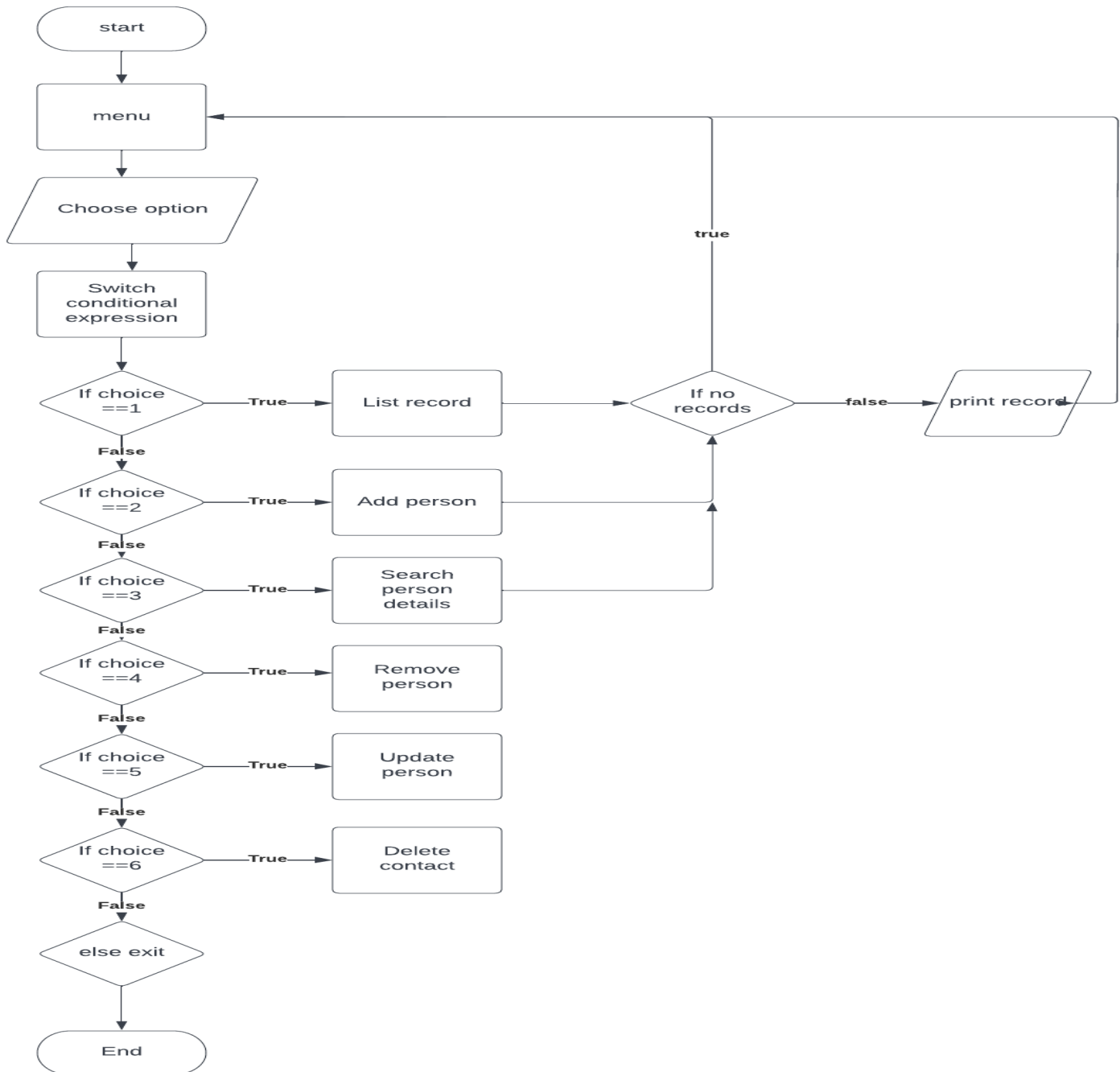
3. Algorithm:

A stepwise representation of the program is given below:

Steps	Algorithm
Step 1	Start
Step 2	Welcome To My Phone Book
Step 3	Choose option
Step 4	If choose=1 then go to list record
Step 5	Else if choose=2 then go to add person
Step 6	Else if choose=3 then go to search person detail
Step 7	Else if choose=4 then go to remove person
Step 8	Else if choose=5 then go to update person
Step 9	Else if choose=6 then go to delete all content
Step 10	Else go to exit phonebook
Step 11	End

4. Flowchart:

A general diagrammatical representation of the program is given below:

5. Project schedule:

Throughout this semester, we learned about the C programming application where we got in depth knowledge and skills. For the completion of this project following schedule are followed and managed in weekly basis.

June 5, 2022	Research about the project
Week 1	Proposal and Flowchart preparation
Week 2	Start of coding
Week 3	Start of report and completion
Week 4	Review of the codes
Week 5	Coding completed
July 25, 2022	Completion of Project

Pictorial representation of Project schedule:

June 5, 2022: Research about the Project	→	Week 1: Proposal and Flowchart preparation	→	Week 2: Start of coding

Week 3: Start of report and completion	←	Week 4: Review of the codes	←	Week 5: Coding completed

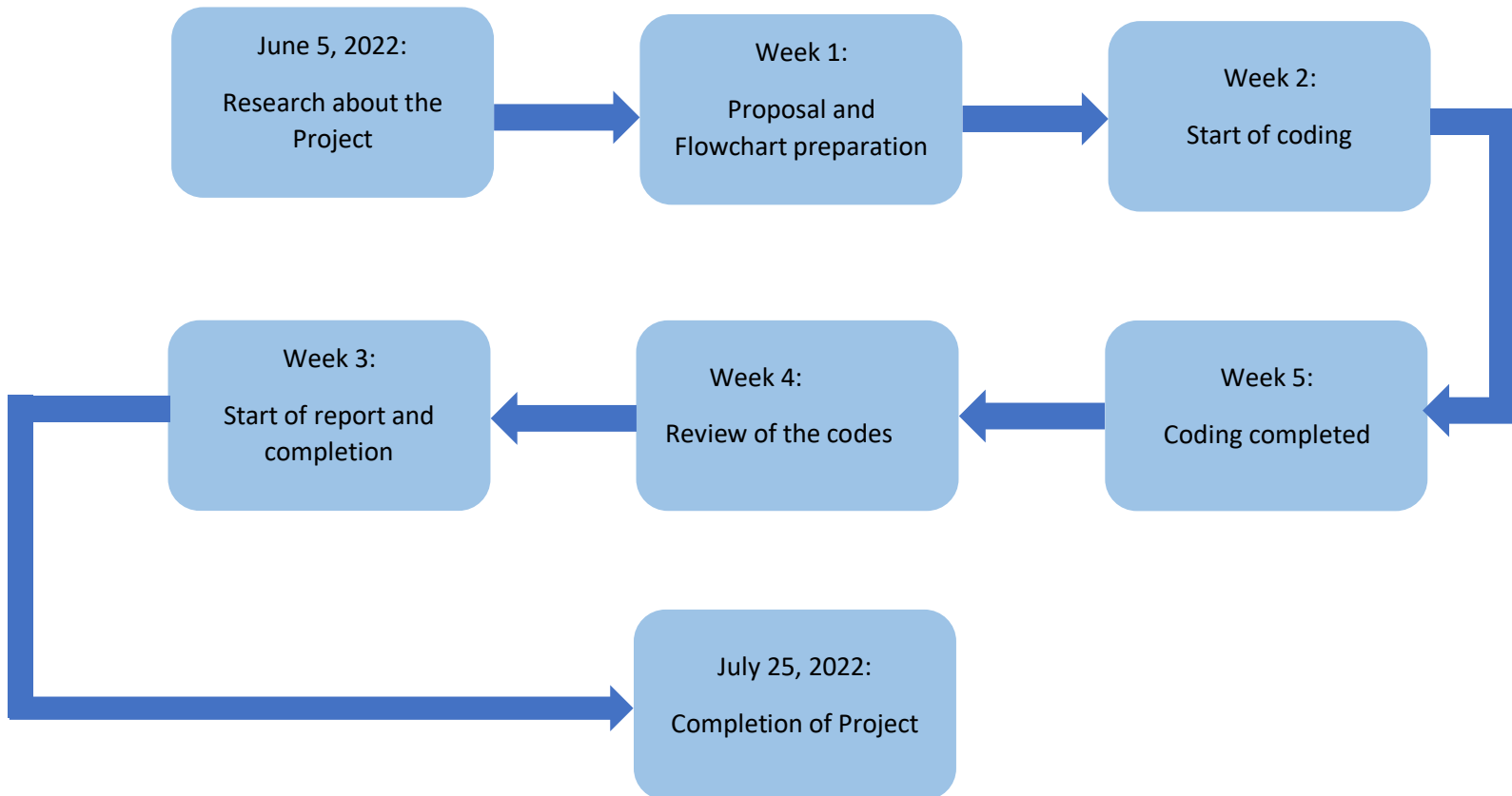| July 25, 2022: Completion of Project |
|---|

Fig: Project Schedule

6. **Conclusion:**

      The successful completion of the project "Phonebook Management System', plays a role in making it easier for the user to perform simple phonebook operations like in your mobile. Through this project, users can add a new phone record, display existing phone records, search a particular phone record, update person detail and delete phone records. The main aim of this project is to teach people file handling operations such as how to add, search, modify, list and delete records using file.

      This phonebook project in C is an extremely straightforward small undertaking which assists user with understanding the fundamental ideas of record capacities and taking care of information structure. This application will show user how to include, list, change or alter, look and erase information to/from the record.

7. Expected output

```
    ***********************************************************
    *              Welcome TO My Phone Book            *
    ***********************************************************


                              1) list record

                              2) Add person

                              3) Search person Details

                              4) Remove person

                              5) Update person

                              6) Delete all contacts

                              7) Exit Phonebook



                              Enter your Choice :1
```

```
    *****************************************************************************
    *                  Here is all records listed in phonebook              *
    *****************************************************************************




    NAME              COUNTRY CODE       PHONE NO        SEX           EMAIL
    ----------------------------------------------------------------------------------------------------------
    Ninamsa Rai            977            9832434543      Female     Ninm01@gmail.com



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

8. **References:**

All the sources used while preparing this project are respectively mentioned below:

References

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