Developer's
Log
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Introduction

Project Facebook is a user management driven program which showcase this feature to fullest. The IDE that has been used to make this program is Codeblock. All the work is done as per Lab instructor's instructions. Project showcase the feature like storing user's data, modifying already stored user's data, listing all users etc. Different type of inbuilt library function of c has been used in the project. The compiler that's used to compile the code is GCC compiler.

Functions

Various function that has been used in the project are as follows:

void mainmenu(void): *Display main menu in output screen with various options.*

void add (void): *stores user data into a file which can be accessed to use later.*

void modify(void): *can modify already stored user's data in file and delete the previous stored data by providing their name.*

void Eliminate(void): *Totally remove user's data from file. Need to mention username.*

void show(void): *can list all the user stored in database or certain users by providing their name, family name.*

bool Access(string LoginID, string password): *Check the LoginID and password if its true(right) user get access to database, else it shows access failed message.*

void printuser: *prints the list of the users.*

Data newuser(): *add new user's detail.*

Void Exit(): *exit from the program.*

How It Works

This part of log is dedicated to how the program behaves. Which function prompts which output? What algorithm is behind such function? Answer to these all question is as follows:

Db data type : Structure contain 3 int type which are date, month, year of user's birth.

2. Data data type : Contains different datatypes as follows..

Char name, char familyname, int age, char gender, dob birth, char caller.

There are 4 main function of my program which hold the whole database together…

*****Adding user in database

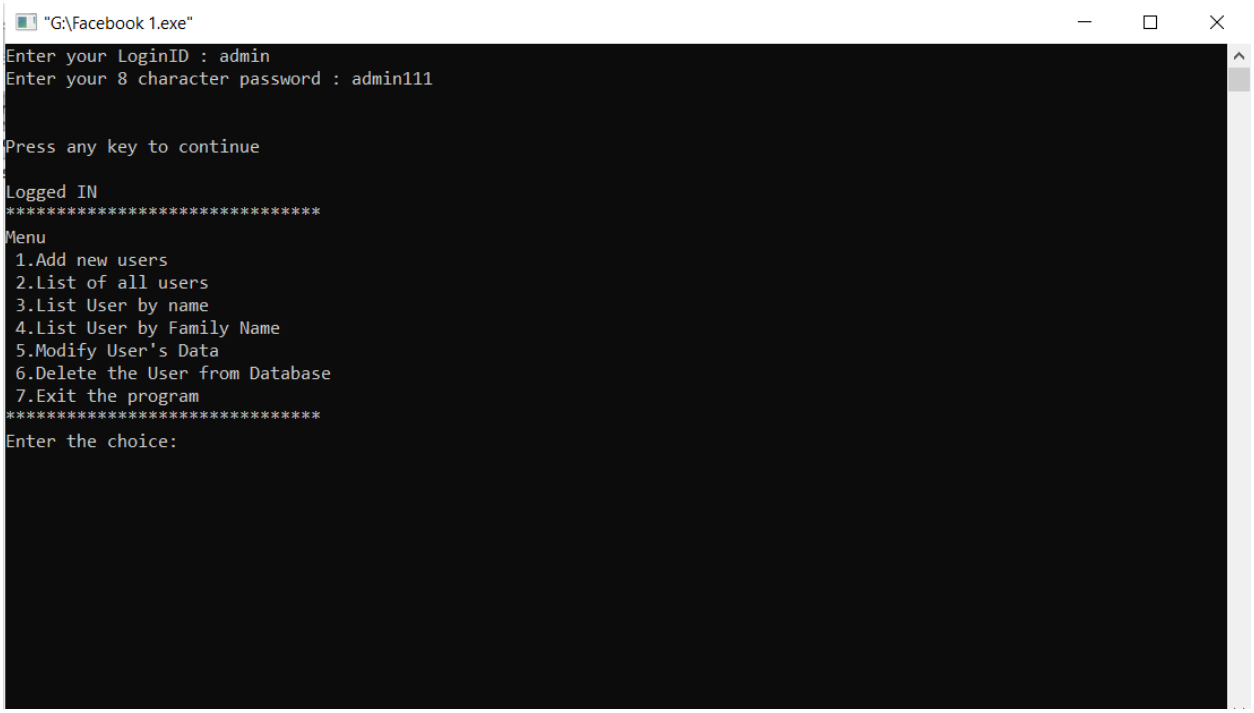
*Listing User from Database

*Modifying the Data of User

*Deleting User

Adding New User:

After the successful Login, following main menu will be displayed on screen,



Inputting first option, Admin can enter a new user's information into the database. Program will ask for:

New User's name:

Enter the User's family name

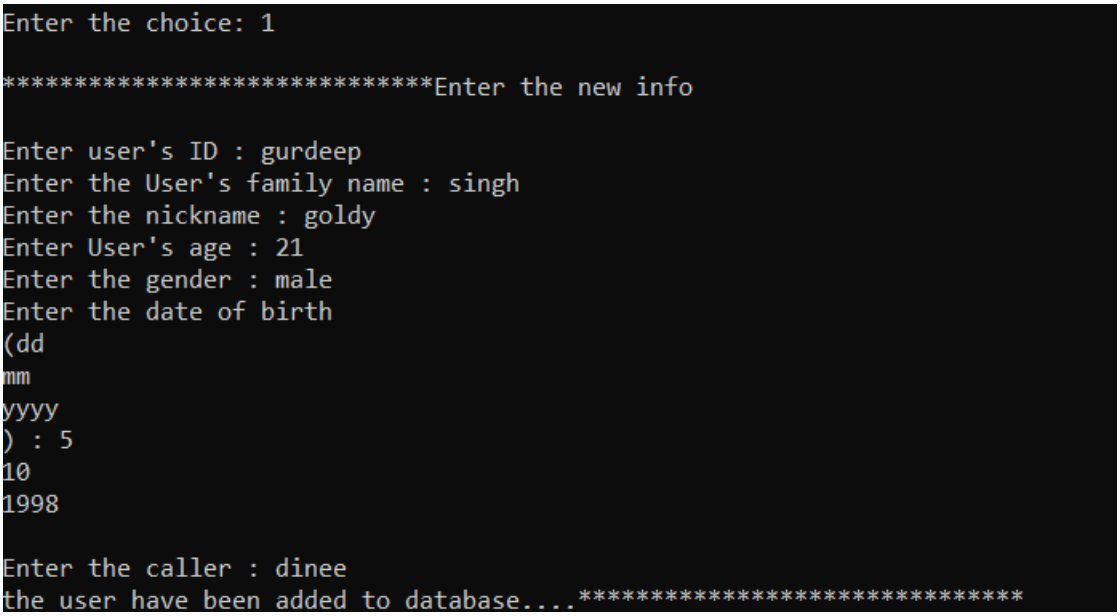
Enter the nickname

Enter User's age

Enter the gender

Enter the date of birth (dd\mm\yyyy)

Enter the caller



After entering all the details user it will be saved in database.

The idea behind this function is storing data using fprintf of user in file in append mode.

Listing certain or all users:

After choosing 2nd option user can list all the user's stored in database. It prints all the stored user in file to the display of program.

Listing by Name or Family Name:

Program will ask for specific name that we want the list of. After providing such name it will use search function to find that in the file then printuser function to print it in display.

Modifying the User's Information:

This function changes the data of already existing user in the database. When user choose this option program ask for the user's name whose information is to be changed. After providing it, user can modify all details of the user i.e age, family name, nickname etc. The program will also search the user in database and in case the user is not present it will show "no user found" in screen.

Delete User:

Like the name states this is used to delete certain user from database. The function first get the number of user in the file then copy those users into a dynamically created array of the same size of their numbers. When user input certain person's name, the function searches it in file then delete that user by overwriting the data of next user.

Exit the program:

This function exits the program**.**