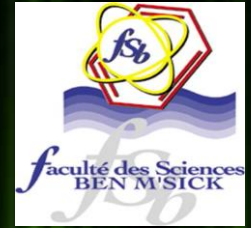




University of Hassan II Casablanca
Ben M'Sik Faculty of Science



Mini Project In C Language

The Bank

Produced by:

- Khouna Rida
- El Ahrach Otmane
- Kilani Hassan
- El Chaabi Abdelaziz

Mini Project In C Language: Plan

- ▶ Mini project specifications (bank)
- ▶ The stages of implementation
- ▶ The obstacles
- ▶ Compilation de programme



“Mini project specifications”



Mini project specifications

The mini project consists in creating two structures one contains the information on the customers (Customer ID, Last name, First name, Profession and Telephone number) and the second contains the information on the accounts of the customers, and to implement the functionalities and the treatments which will be called through the following menus:

GENERAL MENU

- A. Customer management
- B. Account management
- C. Operations management
- D. Quit

Mini project specifications

CUSTOMER MANAGEMENT MENU

1. Add customer
2. Edit customer
3. Delete customer
4. Search
5. **GENERAL MENU**

Id_customer :
Lastname :
Firstname :
Profession :
Phone_number :
Return

1. Lastname :
2. Firstname :
3. Profession :
4. Phone_number :
5. **Return**

1. One by one
2. All

1. By id_customer
2. By lastname

Mini project specifications

ACCOUNT MANAGEMENT MENU

1. New account
2. Consultation
3. Account closure
4. **GENERAL MENU**

Id_account :
Id_customer :
Basic balance :
Opening date :

Id_customer :			
Id_customer :	Lastname & Firstname :	Basic balance	Operations carried out/ date
• ...			
• ...			
• ...			

Mini project specifications

OPERATIONS MANAGEMENT MENU

1. Withdrawal _____
2. Transfer _____
3. **GENERAL MENU**

Id_account :
Id_customer :
Withdrawn Amount :

Id_account :
Id_customer :
Paid Amount:

Mini project specifications

<< Customer management >>

- 1) You cannot add a customer who already exists.
- 2) Modification and Deletion are done by id_customer.
- 3) The deletion must be confirmed (Delete Y / N?).

<< Account management >>

- 1) You cannot add an account that already exists.
- 2) A customer can have multiple accounts.
- 3) The closing of the account is done by id_account.
- 4) The deletion must be confirmed (Delete Y / N?).
- 5) The basic balance must be greater than 1000 DH.

<< Operations management >>

- 1) The withdrawal must not exceed 700 DH.



“The stages of implementation ”

The stages of implementation

<< 1st stage >>

- 1) Analysis of the project to get an overview
- 2) Clarified the idea of the project
- 3) formalized the purpose of the project
- 4) Definition of the scope and objectives of the project

<< 2nd stage >>

- 1) Study of the specifications
- 2) Documentation Research on the meadows received for the realization
- 3) General structure of the program
- 4) Build the action plan

The stages of implementation

<< 3rd stage >>

- 1) Breakdown of the project and distribution of tasks
- 2) Coordinations between the team members
- 3) Editing according to the logical sequence
- 4) Compiling and Testing the Program
- 5) Solve the problems

<< 4th stage >>

- 1) Decoration
- 2) Evaluation and realization of the project report



“ The obstacles ”

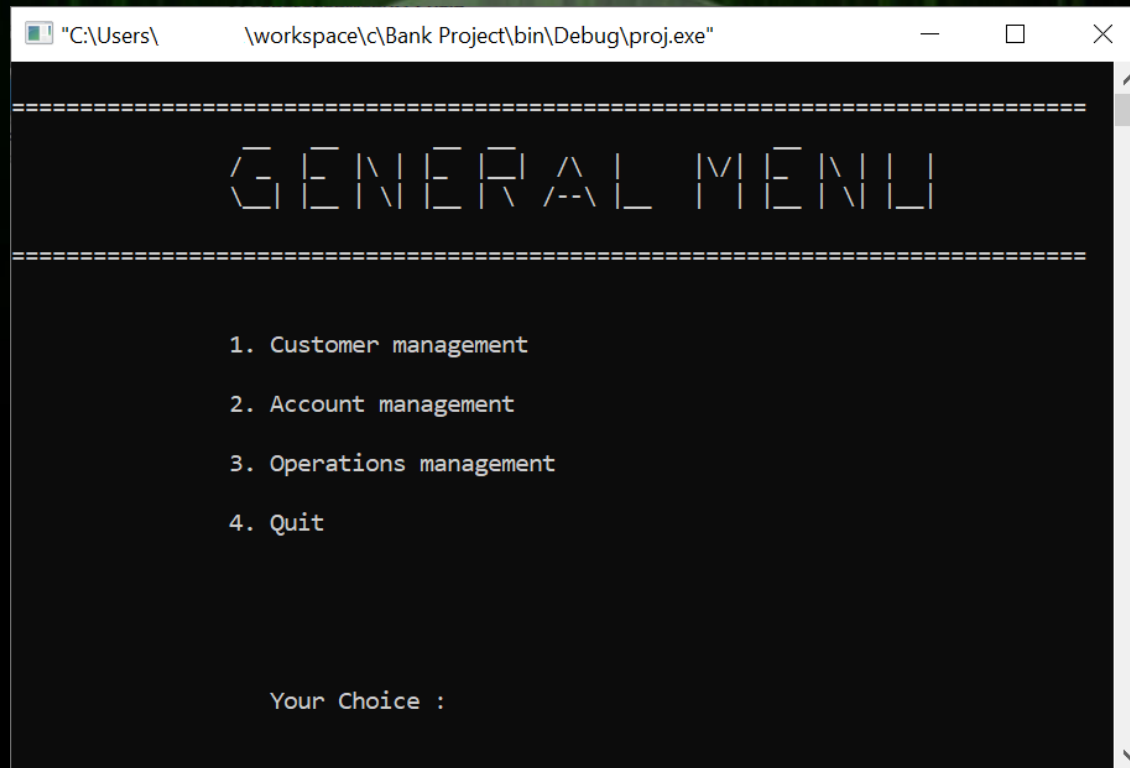
Les Obstacles

Among the obstacles that made us suffer:

- 1) The use of notions of file and structure.
- 2) Modifying a structure inside a file.
- 3) The design of a function that generates an id randomly.
- 4) Compliance with the specifications.
- 5) Poor time management estimate for the completion of the project.
- 6) Difficulties related to the manipulation of work tools (Codeblocks).



Production



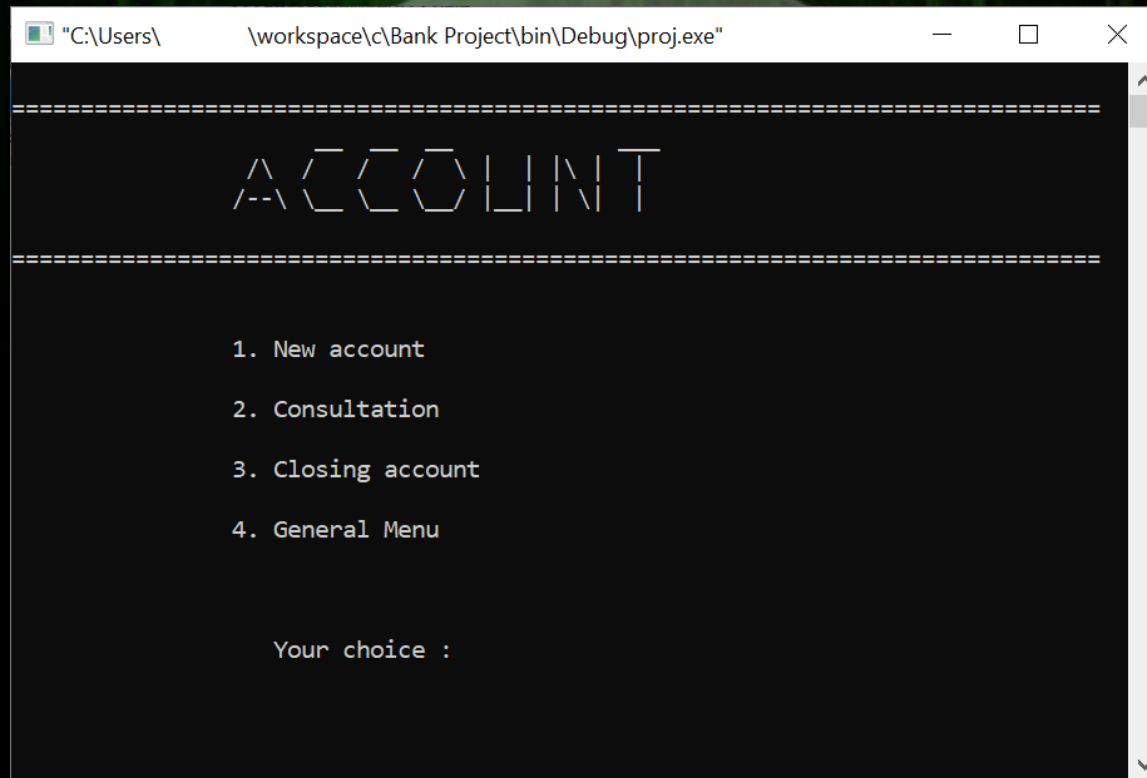
The general menu which contains the submenus, is made up of four choices indicated on the surface above.

Production



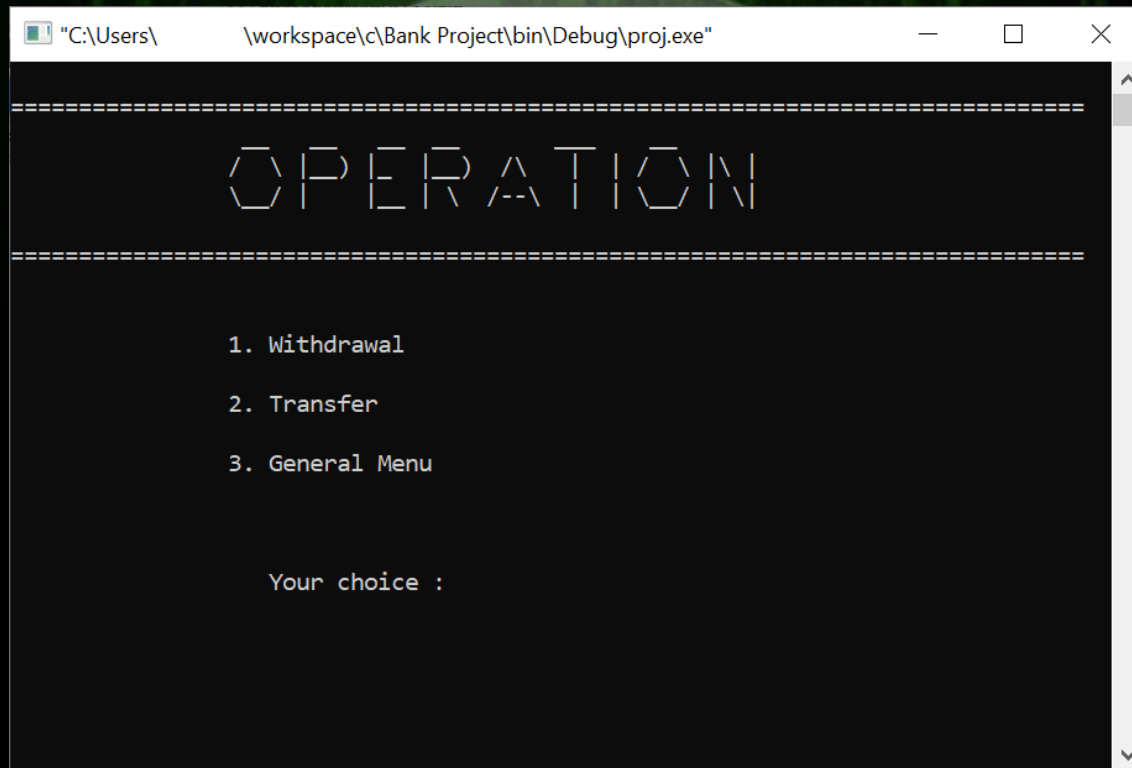
The customer menu which contains the options that can be performed (add-edit-delete-search) indicate on the surface above.

Production



The accounts menu which contains the options that can be performed (add-consult-close) indicate on the surface above.

Production



The operations menu which contains the options that can be performed (withdrawal-transfer) indicate on the surface above.

Production

```
"C:\Users\  \workspace\c\Bank Project\bin\Debug\proj.exe"

===== Consulting Accounts =====

*****
*Customer ID : #00000361*
*****

| Account ID || Full Name || Basic balance || Operation |
|            ||          ||              || carried out/date |
*****
| $522      || Reda Khhhhh|| 4563.00 Dhs || 0 02/01/15 |
*****
| $2572     || Reda Khhhhh|| 1000.00 Dhs || 0 02/02/15 |
*****
| $3048     || Reda Khhhhh|| 1000.00 Dhs || 0 02/02/15 |
*****
| $3642     || Reda Khhhhh|| 1000.00 Dhs || 0 02/02/15 |
*****
| $3048     || Reda Khhhhh|| 1034.00 Dhs || +34.00 02/02/15 |
*****
| $14044    || Reda Khhhhh|| 1222.00 Dhs || 0 03/21/20 |
*****

Do you want to consult another customer accounts (0) or return (1)?
```

Consulting accounts which contains a table of history of operations performed by a customer.



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Thank you for your attention