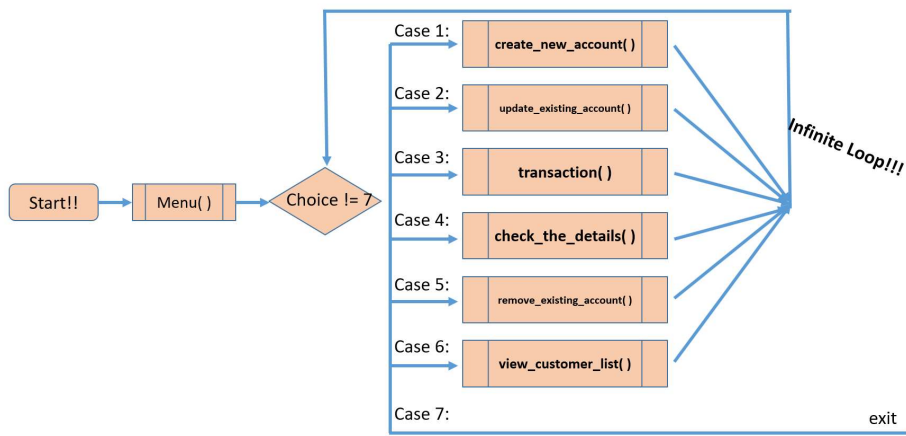


Overall flowchart



1. void menu ()

: provides a selection that the user can choose from.

There are selections from 1 to 7, and if user enter 7, the program exits

2. void create_new_account (File* fp, int number, struct Customer* c)

: if user enter 1, this method is executed.

- 1) File open
- 2) Enter the information(name, date of birth, age, citizenship number, address, phone number, account number, amount to deposit, type of deposit)
- 3) Save them in a Structure array, and text file
- 4) Fclose

3. update_existing_account(File* fp, int number, struct Customer* c)

: if user enter 2, this method is executed.

- 1) File open
- 2) Enter the index number of particular customer that user want to edit
- 3) Edit the information(new address, new phone number)
- 4) Save them in a Structure array, and a text file

4. transaction(File* fp, int number, struct Customer* c)

: if user enter 3, this method is executed.

- 1) File open
- 2) Enter the index number of particular customer that user want to edit
- 3) Enter the type of deposit(deposit or withdraw?)
- 4) Enter the amount to deposit
- 5) Transact the amount of money by using structure array
- 6) Save them in a text file
- 7) fclose

5. check_the_details(int number, struct Customer* c)

: if user enter 4, this method is executed.

- 1) Enter the index number of particular customer that user want to check the details
- 2) Display information stored in structure arrays
- 3) If customer's type of deposit is "saving", show one's interest (22781512 -> $1+2 = 3\%$)

6. remove_existing_account(File* fp, int number, struct Customer* c)

: if user enter 5, this method is executed.

- 1) File open
- 2) Enter the index number of particular customer that user want to delete(If the number is bigger than the number of customers, tell user to re-enter it)
- 3) Remove the customer's information in structure array by using memcpy() and memset()
- 4) Save them in a text file
- 5) fclose

7. view_customer_list(int number, struct Customer* c)

: if user enter 6, this method is executed.

- 1) File open (mode is "r+t")
- 2) Call the contents stored in text file by using putchar()
- 3) Print them in the console window
- 4) fclose