**Programming Fundamentals (CS-118)**

**Project.**

**Group Members:**

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**Title:**

Online shopping system with Membership.

**Introduction:**

In our project we have made a program in which there is an online shopping system where you can buy anything from the shop. You will be able to make membership account from which you will get discount on total price.

**Background:**

In this project we have done filling along with functions implementation and also have used basic programming concepts like (Loops, Conditions, Pointers) etc.

**Project specifications:**

We have made an online shopping system in which user can make a membership account, place an order as like usual online shopping systems.

Along with that user can update the information of an existing account and can also remove the account as per need .The benefit of membership account in this project is the customer will have the discount on the total price if he owns a membership account.

**Problem analysis:**

If user is giving the wrong input to the program like invalid data or any invalid option which we have not given to the user and the problem of how to get the list of the accounts have membership ,so we have resolved that problem which we will state in solution design.

**Solution design:**

To resolve that problem of invalid data input and to get the list of the owners of membership account we have used some conditions and have put checks and with the help of filing we got a new record file in which the list of the owners of the membership account will be displayed to the user.

**Implementation + testing:**

We tested this program by putting an invalid data or option which was not given in the project, by giving that invalid input the program gave an error warning of invalid input.

Along with that we also made a membership account which was the part of the program and that worked. We got a membership account by giving Id no, name, city name etc. After performing all the valid and invalid inputs we finally got our program done which is basically a shopping management system with membership account.

**Project breakdown structure:**

* Functions made by Ritik are new account, update account and foredelay.
* Functions made by Ibadullah are menu, close and view all.
* Functions made by Areez are order and erase.

**Results (outcome or product):**

Result of this project will be an online shopping system which will provide user a full system in which user can place an order and can also acquire his own membership account through which discount will be given to the total price of all items.

**Conclusion:**

In this project we have implemented the basic concepts of c language along with some complex topics too like file handling, pointers etc. This project contains an online shopping management system. The program contains five parts in first there will be an option for user to make a membership account to get discount on prices , the other option in program is to update existing account’s information .Third option is to place an order for shopping in which user will be instruct to press keys to place an order and the fourth option is for user to remove an account as per need and the fifth option is for viewing the list of the owners of membership account .The sixth which is the final option contains an exit button which will led the user toward the end of program and by pressing that key program will terminate .