



Object Oriented Concepts (OOC) Assignment 2

INDIVIDUAL SUBMISSION

Topic :Diet Planning & Health Check-up System

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Campus : Malabe

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We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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User.h

```
//User
#include "purchase.h"
class user
{protected:
    char userNIC[12];
    char usFirstName[20];
    char userLastName[20];
    char userDOB[20];
    char userMobileNumber[10];
    char userAddress[50];
    char userGender[15];
    char userEmail[50];

public:
    user();
    user(const char u_NIC[], const char u_F_Name[], const char u_L_Name[], const
char u_DOB[], const char u_Mob_Num[], const char u_Addr[], const char u_Gender[],
const char u_Email[]);
    void makePurchase(purchase* mPurch);
    void registerUser();
    virtual void displayDetails();
    ~user();

};
```

Customer.h

```
//customer
#include "user.h"

#include "purchase.h"
#define SIZE 5
class customer :public user {
protected:
    char cus_name[20];
    char cus_Password[20];
    int purchase_services;

    purchase* buy_services[SIZE];

public:
    customer();
    customer(const char c_Username[], const char c_Password[], const char u_NIC[],
const char u_F_Name[], const char u_L_Name[], const char u_DOB[], const char
u_Mob_Num[], const char u_Addr[], const char u_Gender[], const char u_Email[],
int purchase_services);
    void displayCustomerDetails();
    void logout();
    void login();
    char checkLoginDetails();
    void addBuyingServices(purchase* pbuy_services);
    ~customer();

};
```

payment.h

```
//payment
class payment
{
private:
    int paymentID;
    char paymentDate[6];
    char paymentType[10];
    double paymentAmount;

public:
    payment();
    payment(int p_ID, const char p_Type[], const char p_Date[], double p_Amnt);
    void Check_PaymentDate();
    void confirm_PaymentDate();
    void verifypayment();
    void displayPaymentDetails();
    ~payment();
};
```