Object Oriented Concepts (OOC) Assignment 2

INDIVIDUAL SUBMISSION

Topic   :Diet Planning & Health Check-up System

Student no   : IT21289316

Group no   :MLB_04.2_09

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.

Registration No	Name	Contact Number
IT21289316	HARISH B.	0773320376

Header files

purchase.h

```cpp
//puchase
#include "apponiment."
#include "stocks.h"
#include "supplier.h"
#include"customer.h"
#include"staff.h"

#define SIZE1 3
#define SIZE2 3

class purchase
{
private:
      int purchaseID;
      char purchase_service[50];
      char purchase_amount[10];
      char purchase_date[6];
      char purchase_prescription[50];
      char product_status[50];
      char appontment_status[50];


      appointment* appNO[SIZE];
      stocks* productNO[SIZE];
      supplier* supplier;
      customer* customer;
      staff* staff;


public:
      purchase();
      purchase(int productNO1, int productNO2, int appNO1, int appNO2, supplier*
psupplier, customer* pcustomer, staff* pstaff);
      void purchase(purchaseID, const char purchase_service[], const char
purchase_amount[], const char purchase_date[], const const purchase_prescription[],
supplier* psupplier, customer* pcustomer, staff* pstaff);
      void checkProduct_Availability();
      void checkAppointment_Availability();
      void calculatPurchase_amount();
      void updatePurchase_details();
      void DisplayPurchase_details();
      void deletePurchase_details();
      ~purchase();

};
```

staff.h

```cpp
//staff
#include "purchase.h"
#define SIZE 4

class staff
{
protected:
        int staffID;
        char staff_Fname[20];
        char staff_Lname[20];
        char staff_phone[10];
        char staff_userName[20];
        char staff_password[20];


        purchase* purch[SIZE];


public:
        staff();
        void displayCustomerDetails();
        void logout();
        void login();

        staff(char pstaffID, const char pstaff_Fname[], const char pstaff_Lname[],
const char pstaff_phone[, const char pstaff_userName[], const
charpstaff_password[]);
        void make(purchase* purch_service);
};
```

admin.h

```cpp
//administrator
#include "staff.h"
class admin : public staff
{
private:
        char admin_userName[20];
        char admin_passcode[20];
        char adminID[10];
        char adminGrade[2];

public:
        admin();
        admin(const char pAdmin_username[], const char pAdmin_passcode[], const char
pAdmin_Grade[]);
        void login(const char pAdmin_UsrName, const char pAdmin_pscode);
        void update_Products();
        void update_Appointments();;
        void Delete_purchase();
        void edit_customerDerails();
        void displayAdmin_details();
        ~admin();
};
```