namespace ClinicAppointmentApp

{

class ManageUser

{

User user = new User();

public void RegisterUser()

{

Console.Write("Is user a doctor (Y/N) : ");

string type = Console.ReadLine();

switch (type)

{

case "Y":

user = new Doctor();

break;

case "N":

user = new Patient();

break;

default:

Console.WriteLine("Invalid Entry. User registered as 'Patient'");

user = new Patient();

break;

}

user.GetUserData();

}

public void DisplayUser()

{

Console.WriteLine(user);

}

}

}

namespace ClinicModelsLibrary

{

public class User

{

public string user\_id { get; set; }

public string name { get; set; }

string dob { get; set; }

public string type { get; set; }

string password { get; set; }

public User()

{

}

public virtual void GetUserData()

{

Console.Write("Enter user ID : ");

user\_id = Console.ReadLine();

Console.Write("Enter name : ");

name = Console.ReadLine();

Console.Write("Enter date of birth (DD/MM/YYYY) : ");

dob = Console.ReadLine();

}

public virtual void DisplayUserInfo()

{

Console.WriteLine("User ID : {}\nName : {}\nType : {}", user\_id, name, type );

}

public override string ToString()

{

return "--\nUser ID : " + user\_id + "\nName : " + name + "\nD.O.B : " + dob + "\nType : " + type;

}

}

}

namespace ClinicModelsLibrary

{

public class Patient : User

{

string remarks;

string status;

public Patient()

{

type = "Patient";

}

public override void GetUserData()

{

base.GetUserData();

Console.Write("Enter remarks : ");

remarks = Console.ReadLine();

Console.Write("Enter status : ");

status = Console.ReadLine();

}

public override string ToString()

{

return base.ToString() + "\nRemarks : " + remarks + "\nStatus : " + status;

}

}

}

namespace ClinicModelsLibrary

{

public class Doctor : User

{

int experience;

string specialty;

public Doctor()

{

type = "Doctor";

}

public override void GetUserData()

{

base.GetUserData();

Console.Write("Enter experience (in years) : ");

experience = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter specialty : ");

specialty = Console.ReadLine();

}

public override string ToString()

{

return base.ToString() + "\nExperience : " + experience + "year(s)\nSpecialty : " + specialty;

}

}

}

Text

Description automatically generated