

# AP-PROJECT

**Presented By --**

**Siddharth Akar : 19UCS215**

**Yash Jain: 19UCS197**

**Shubham Sharma: 19UCS038**

**Aayush Kabra: 19UCS113**

----- **Classes and Dependencies** -----

1.Main

```
{  
    Cases { 1. Admin-Login {} 2. PatientLogin {} 3. DoctorLogin {} 4.Patient signup{} }  
}
```

2. Person

```
{  
    Attributes : First_name , Last_name , Email-Address,ID , contactNumber  
                DOB,City ,state,country,Address,PhoneNumber,Gender,age.  
  
    Methods: UserInformation().  
}
```

### 3. Admin extends Person

```
{  
    Local Attributes: docId , password .  
  
    Method: addDoctor() , AutoDoctorID() , viewDoctors() , viewPatients()  
           RemoveDoctor(id) , ViewAppointment()  
}
```

### 4. Doctor extends Person

```
{  
    Attributes: docID,Qualification, Doctor_Type ,Entry_Charge.  
  
    Methods : DoctorRegistration(docid), ShowDoctorDetails(d) ,  
             viewAppointment(docid) , DiagnosticPatient(id) ,  
             GetPatientID(appid) , Change_Password(id)  
}
```

### 5. Patients extends Person

```
{  
    Attributes: BloodGroup,  
    Methods: AutoPatientID(),addPatient(),PatientViewReport(),ShowPatientDetails(),  
            PatientRegistration() , BookAppointment(id) ,  
            ViewAppointment(),AppointmentHistory(int id) ,  
            ViewReport(int id),ChangePassword(int id),Givefeedback(int id)  
}
```

### 6. Register

```
{  
  
    Method : patient_Registration(),doctor_Registration ()  
}
```

### 7. Appointment

```
{  
    Attributes: Apid,pid,Problem,Doctor_id,Doctor_Name,Doctor_Type,  
             Doctor_Qualificatio, docFees Appointment_Status, payment_status;  
    Method:  
        AutoAppointmentID(), BookAppointment(int id), ChooseDoctor(),  
        GetDoctorName(int docID), GetDoctorFees(int docID),  
        GetDoctorQualification(int docID),String billpayment(int fee), ConfirmAppointment()  
}
```

## 8. Report

```
{  
    Attributes:  
        RepId,pid, appid,docid,MedicinePrescribed,String DoctorsComment;  
  
    Method : AutoReportID(),  
            DiagonistReport(int pid,int appid,int docid) ,  
            GenerateReport() , ChangeStatus() , ShowReport()  
}
```

## 10. Payment

```
{  
    Method : CreditCardDetails(int fee)  
}
```

---

## DATABASE TABLES :

1. Users ( userID, userType, Password)

- *Primary Key: userID, userType*

2. Patients ( PatientID , First\_Name , Last\_Name , Gender  
ContactNumber, Age , EmailID , BloodGroup,  
Address )

- *Primary Key: PatientID*

3. Doctors ( DoctorID , First\_Name , Last\_Name , Gender  
ContactNumber, Age , Entry\_Charge ,  
Qualification , Doctor\_Type , Email\_Id )

- *Primary Key: DoctorID*

4. Appointments ( AppointmentID , Problem , PatientId ,  
DoctorName , DoctorID , DoctorType ,  
Qualification , DoctorFees ,  
PaymentStatus , Appointment\_Status )

- *Primary Key: AppointmentID*
- *Foriegn Key: PatientID, DoctorID*

5. Reports ( ReportID , AppointmentID , patientID ,  
DoctorID, MedicinePrescribed ,  
DoctorComment )

- *Primary Key : ReportID*
- *Foriegn Key : PatientID,DoctorID,AppointmentID*

6. Feedback ( PatientID , points , Doc\_Nature , Location ,  
PatientComment )

- *Foriegn Key : PatientID*