

Design an App to book a doctor's appointment using your medical insurance provider

User can

1. Login App
2. Choose Hospital(State, location)
3. Choose a department
4. Choose a specific doctor or automatically assigned
5. Describe symptom
6. Make an appointment
7. Check in
8. Cancel the appointment

Class User

Information:

```
String UserId;  
String Password;  
int Phone;  
int Birthdate;  
LocalDate Date;  
LocalTime Time;  
String Name;  
String Gender;  
String Symptom;  
String InsuranceProvider;
```

Behavior:

```
LoginApp(UserId, Password ){  
}  
ChooseHospital( ){  
    App.HospitalDisplay( );  
}  
ChooseDepartmentInList( ){  
    App.DepartmentListDispaly( );  
}  
ChooseDoctorOrAssignedByApp( ){  
    App.DoctorChoose( );
```

```

}
DescribeSymptom(Name, Gender, Birthdate, Symptom){
}
MakeAppointment(Name, Phone, Date, time, InsuranceProvider){
    App.AppointmentDone( );
}
UserCheckIn( ){
    App.CheckIn( );
}
CancelAppointment( ){
    App.EndAppointment( );
}

```

Class App

Information:

```

String State;
String Location;
String Doctor[];

```

Behavior:

```

HospitalDisplay(State, Location){
}
DepartmentListDisplay( ){
}
DoctorChoose(Doctor){
    If(Doctor!=null)
        Continue;
    Else
        Doctor=AutomaticallyAssignedDoctor( );
}
AutomaticallyAssignedDoctor ( ){
}
AppointmentDone( ){
}
CheckIn( ){
}
EndAppointment ( ){
    Alter(User);
}

```

```
    Alter(Doctor);  
}
```