

## NEWLY IMPLEMENTED:

- APPOINTMENT COST (displays cost of every appointment, returns 0 if the appointment has not yet been completed/cancelled)

```
double appointmentCost(){ //cost of each appointment
    if(status == "Completed") return 100.0;
    else if(status == "Available")
        return 0.0;
}
```

```
cout<<"Cost: "<<appointmentCost()<<" $"<<endl;
```

```
Date: 09-09-2025, Time: 12:45 PM, Reason: Obesity Checkup, Patient: Jane Minecraft, Doctor: Dr. Pork, Status: Available
Cost: 0 $
Name: Dr. Slime, ID: 420, Special Field: Neurology
Appointments:
Date: 08-09-2025, Time: 3:00 PM, Reason: General Checkup, Patient: John Roblox, Doctor: Dr. Slime, Status: Completed
Cost: 100 $
```

- REVISIT DATE (sets a revisit date for each patient after every successful visit)

```
void setRevisitDate(string date) { //sets new visit date
    revisitDate=date;
}
string getRevisitDate() {
    return revisitDate;
}
```

```
if(status=="Completed"){
    cout<<"Revisit Date: "<<patient->getRevisitDate()<<endl;
}
```

```
Revisit Date: 15-09-2026
```

- MEDICAL PRESCRIPTION (gives out medical prescription for each patient after every successful visit)

```
class Prescription{
    string medication,dosage,instructions;
public:
    Prescription(string m, string d, string i): medication(m), dosage(d), instructions(i) {}
    void displayInfo(){
        cout<<"Prescription: "<<medication<< ", Dosage: "<<dosage<< ", Instructions: "<<instructions<<endl;
    }
};
```

```
void setPrescription(Prescription* p){
    prescription = p;
}
Prescription* getPrescription() {
    return prescription;
}
```

(in patient class)

```
patient1.setPrescription(new Prescription("Painkillers", "2 times a day", "After meals"));
patient2.setPrescription(new Prescription("Weight Loss Pills", "Once a day", "Before breakfast"));
Appointment a1("08-09-2025", "3:00 PM", "General Checkup", patient1, patient2);
Date: 08-09-2025, Time: 3:00 PM, Reason: General Checkup, Patient: John Roblox, Doctor: Dr. Slime, Status: Completed
Cost: 100 $
Revisit Date: 15-09-2026
Prescription: Painkillers, Dosage: 2 times a day, Instructions: After meals
```