1..\* 1..\*

**Appointment**

ID: Integer

Name: String

Age: Integer

Date: DateTime

Time: String

Doctor: String

Cost: Integer

+schedule(DateTime Date, String Time, String Doctor)

+deleteAppointment (DateTime Date, String Time, String Doctor)

+Reschedule((DateTime Date, String Time, String Doctor)

**Staff**

-Name: String

-ID: Integer

-Type: String

-DOB: DateTime

-Gender: String

-Contact: String

-Age: Integer

+addStaff()

+deleteStaff()

+editStaff(int ID)

1..1

1..1

**Invoice**

-Patient ID: Integer

-Patient Name: String

-Contact: String

-Doctor: String

-Time Spent: Float

-Medicine Prescribed: String

-Cost: Float

+processPay(int patientID, float fee)

1..\*

1..1

0..1

**Patient Info**

ID: Integer

Name: String

Age: Integer

Contact: Integer

Visit Reason: String

Staff Assigned: String

+typeOfVisit(String visitReason, String staffAssigned)

+addPatient()

+editPatient()

+removePatient()

1..1

**Pharmacy**

Medicine ID: Integer

Medicine Name: String

Quantity: Integer

Supplier: String

Patient ID: Integer

Cost: Integer

+prescribe(int patientID, int medicineID)

+checkCount(int quantity, int medicineID)

+addMedicine(int medicineID, String supplier)

+removeMedicine(int medicineID, String supplier)

0..1 1..\*

Staff Appointment Patient Info Pharmacy Invoice

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0 addStaff()

7 schedule() 13 prescribe(int patientID, int medicineID) Costs passed in

1. schedule() processPay(int patientID,

float fee)

1. Assign staff to appointment 8 schedules appointment

14 Prescribes medicine to the patient

3 deleteAppointment()

9 deleteAppointment()

4 Remove staff from appointment

10 deletes appointment 15 checkCount(int quantity, int

medicineID) – Checks Inventory Med.

count

5. reschedule()

11 reschedule() 16. addMedicine(int

medicineID, String Supplier)-- medicine to inventory

6 Reschedules staff for 17 removeMedicine(int medicineID,

appointment 12 change appointment String supplier) – removes medicine from

inventory

to available date