## **SOFTWARE DESIGN & ANALYSIS**



## **ASSIGNMENT # 02**

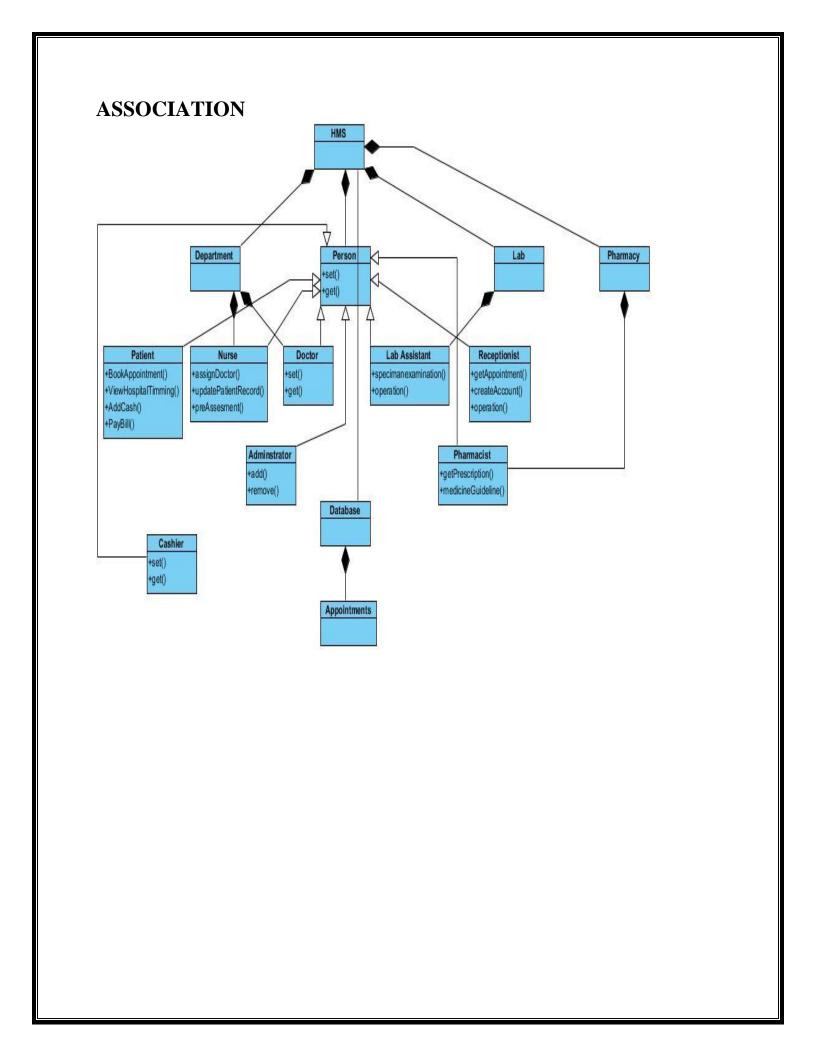
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## Identify a possible set of classes/objects in the HMS case study. Name of classes and attribute are:

- \* Doctor, patient
- \* Nurse, pharmacists,
- \* lab\_assitant,
- \* Cashier, reception,
- \* administrator, person
- \* pharmacy, lab,
- \* department,



## **FINAL DESIGN** HMS Person -Name Age Gender Designation Address PhoneNumber CNIC UserName Password +getAttribute() +setAttribute(attribute) : void Doctor Receptionist Pharmacist Patient -Specialization -Department +getAppointment() +getPrescription() -Diease -Experince +medicineGuideline() Nurse number +bookAppointment() -Report -TagLine +createAccount() +login() -Prescription -Rating +assignDoctor() -Patient number -Department -Doctor number +updatePatientRecord() +BookAppointment() +preAssesment() +ViewHospitalTimming() +getRating() +getAppointment() Administrator +getProfile() +setTagLine() setDepartment() +AddCash() +PayBill() +DeleteAccount() +login() +getTagLine() +getDepartment() +addnurse() +setExperience() setPreassesment() +delnurse() +getExperience() +getPreassesment() +GiveRating() +setSpecialization() +adddoctor() +CreateAccount() +removedoctor() +getSpecialization() +login() +setDiease() +addpharmacist() Cashier +removepharmacist() +getAppointments() +addpatient() +gettestResult() +setPrescription() +login() +removepatient() Lab Assitant +getbill() +getPrescription() +addchahier() +login() +setbill() +removechasier() +addlabassitant() +setDepartment() +speciman examination() +getDepartment() +settestResult() +removelabassitant() +getPreassesment() +getestResult() +addre ceptiosit() +login() 1..\* HMS Database Appointments