

Classes of Hospital Management System Class Diagram:

- **Hospitals Class** : Manage all the operations of Hospitals
- **Patient Class** : Manage all the operations of Patient
- **Doctors Class** : Manage all the operations of Doctors
- **Nurses Class** : Manage all the operations of Nurses
- **Appointments Class** : Manage all the operations of Appointments
- **Medicines Class** : Manage all the operations of Medicines

Classes and their attributes of Hospital Management System Class Diagram:

- **Hospitals Attributes** : hospital_id, hospital_doctor_id, hospital_name, hospital_place, hospital_type, hospital_description, hospital_address
- **Patient Attributes** : patient_id, patient_name, patient_mobile, patient_email, patient_username, patient_password, patient_address, patient_blood_group
- **Doctors Attributes** : doctor_id, doctor_name, doctor_specialist, doctor_mobile, doctor_email, doctor_username, doctor_password, doctor_address
- **Nurses Attributes** : nurse_id, nurse_name, nurse_duty_hour, nurse_mobile, nurse_email, nurse_username, nurse_password, nurse_address
- **Appointments Attributes** : appointment_id, appointment_doctor_id, appointment_number, appointment_type, appointment_date, appointment_description
- **Medicines Attributes** : medicine_id, medicine_name, medicine_company, medicine_composition, medicine_cost, medicine_type, medicine_dose, medicine_description

Classes and their methods of Hospital Management System Class Diagram:

- **Hospitals Methods** : addHospitals(), editHospitals(), deleteHospitals(), updateHospitals(), saveHospitals(), searchHospitals()
- **Patient Methods** : addPatient(), editPatient(), deletePatient(), updatePatient(), savePatient(), searchPatient()
- **Doctors Methods** : addDoctors(), editDoctors(), deleteDoctors(), updateDoctors(), saveDoctors(), searchDoctors()
- **Nurses Methods** : addNurses(), editNurses(), deleteNurses(), updateNurses(), saveNurses(), searchNurses()
- **Appointments Methods** : addAppointments(), editAppointments(), deleteAppointments(), updateAppointments(), saveAppointments(), searchAppointments()
- **Medicines Methods** : addMedicines(), editMedicines(), deleteMedicines(), updateMedicines(), saveMedicines(), searchMedicines()