UML DIAGRAM

User

username
password
role

Hospital

patients

add_patient()
remove_patient()
retrieve_patient()
count_visits_on_date()
get_patient_count_by_demographics()
get_patient_count_by_department()

Patient

patient_id
gender
race
age
ethnicity
insurance
zip_code
visits

Visit

visit_id
visit_time
department
chief_complaint
notes

Note

note_id
note_type