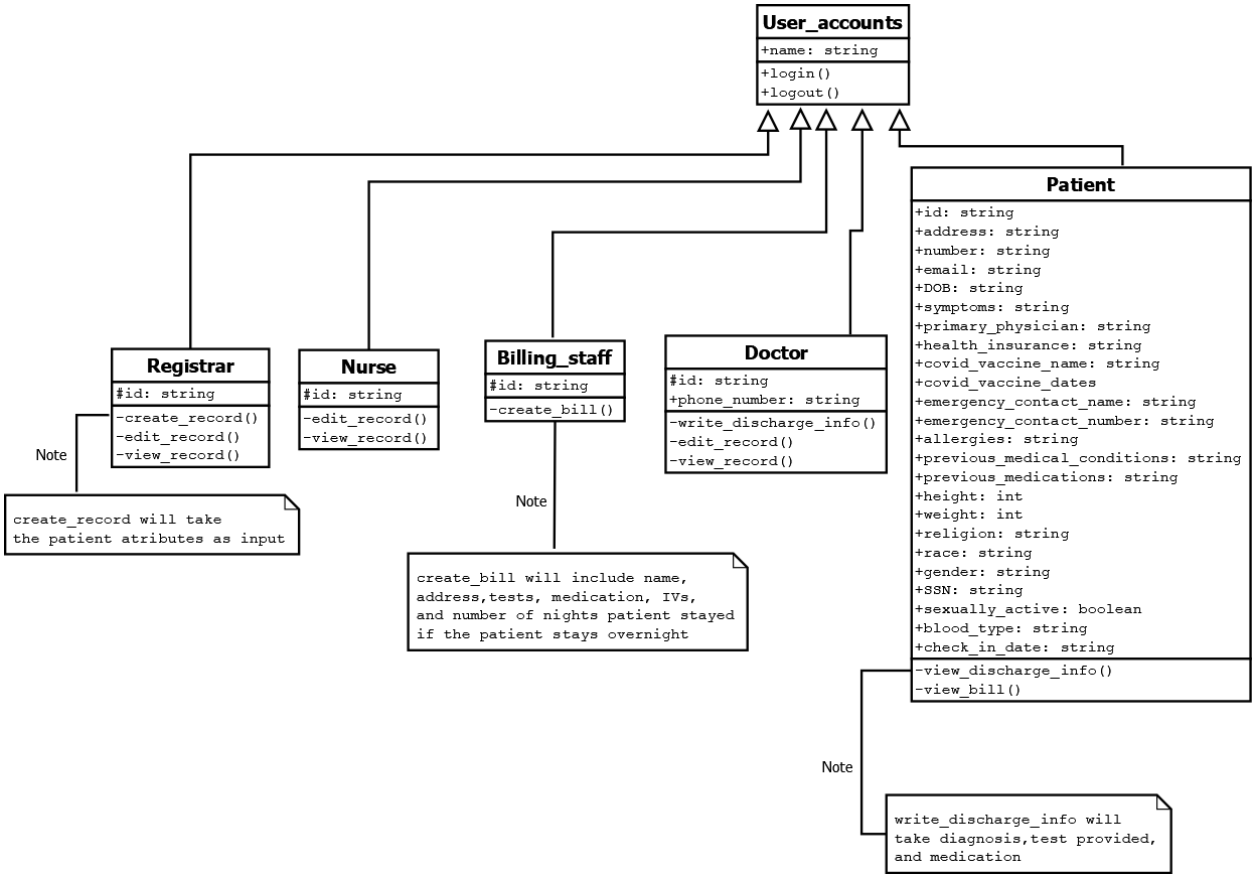
CS 460W – Software Development

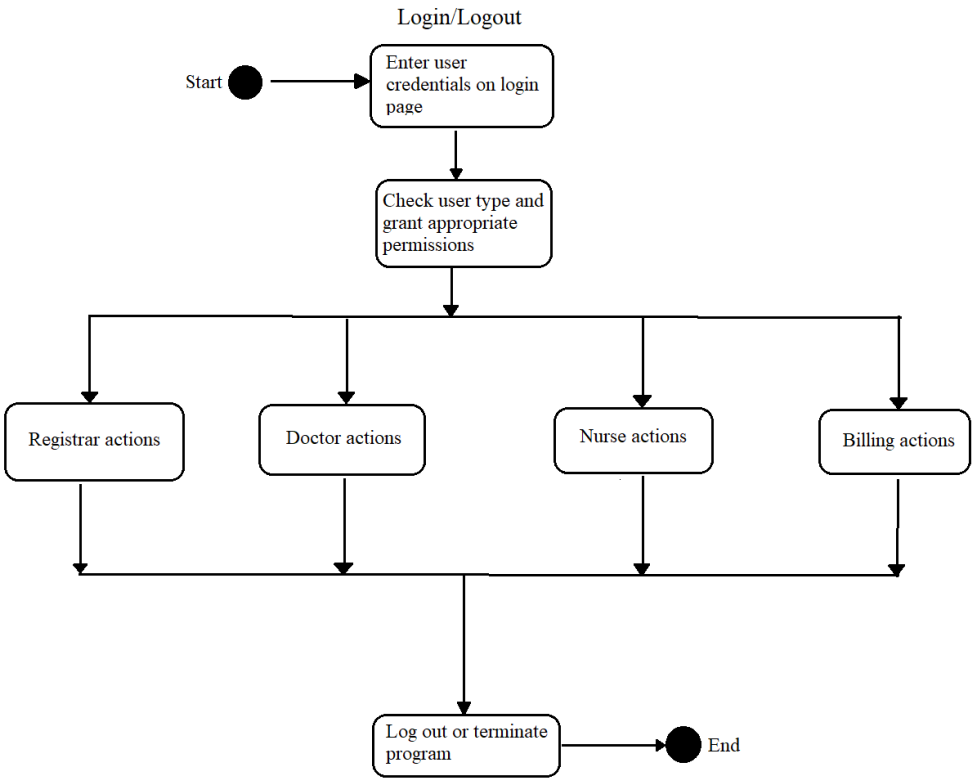
Project Deliverable #3

Team Members: Alisa Vongsarasinh, Benjamin Bahadory, Daniel Baqaeen

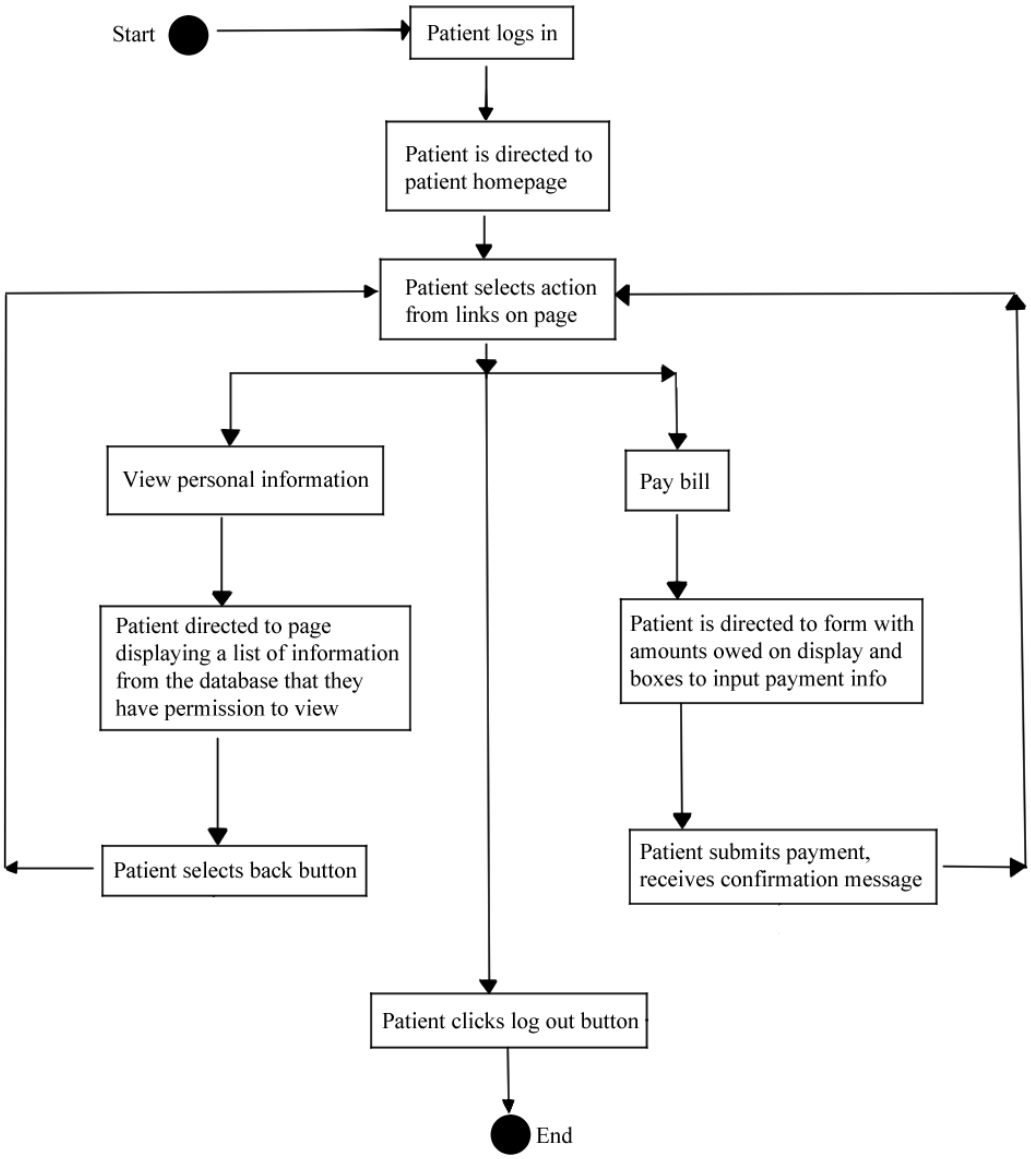
Class Diagram:

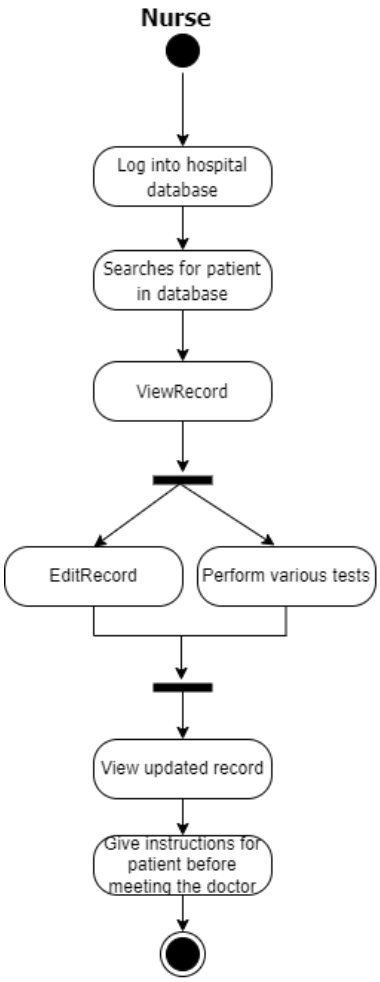


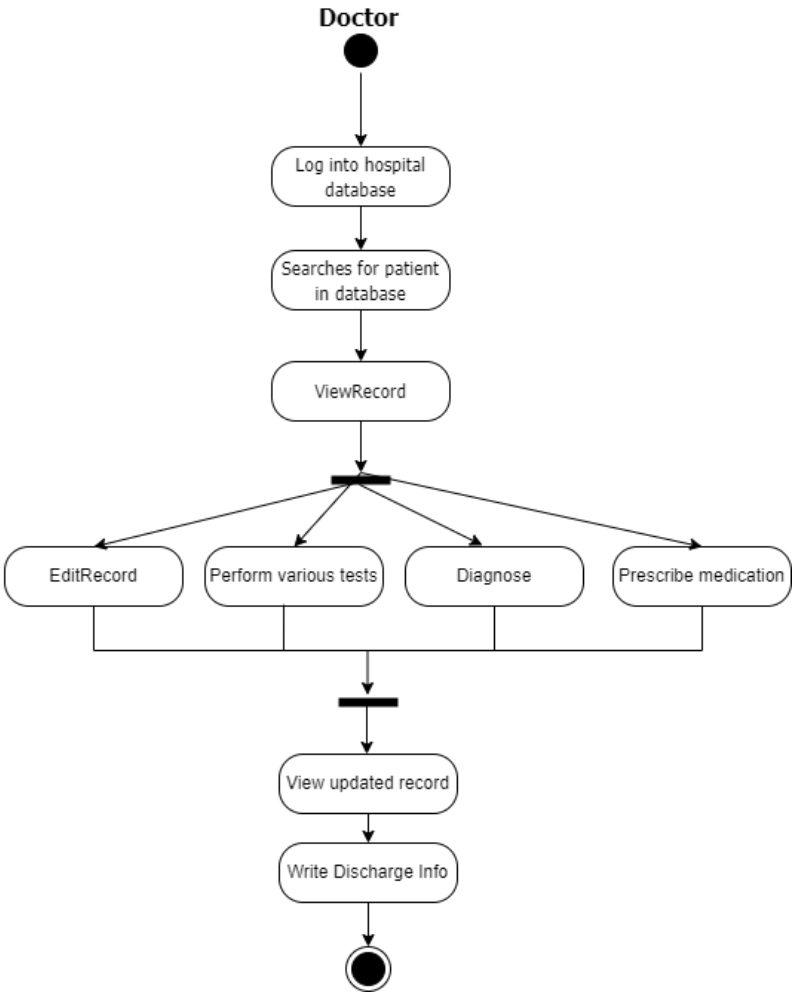
Activity Diagrams:

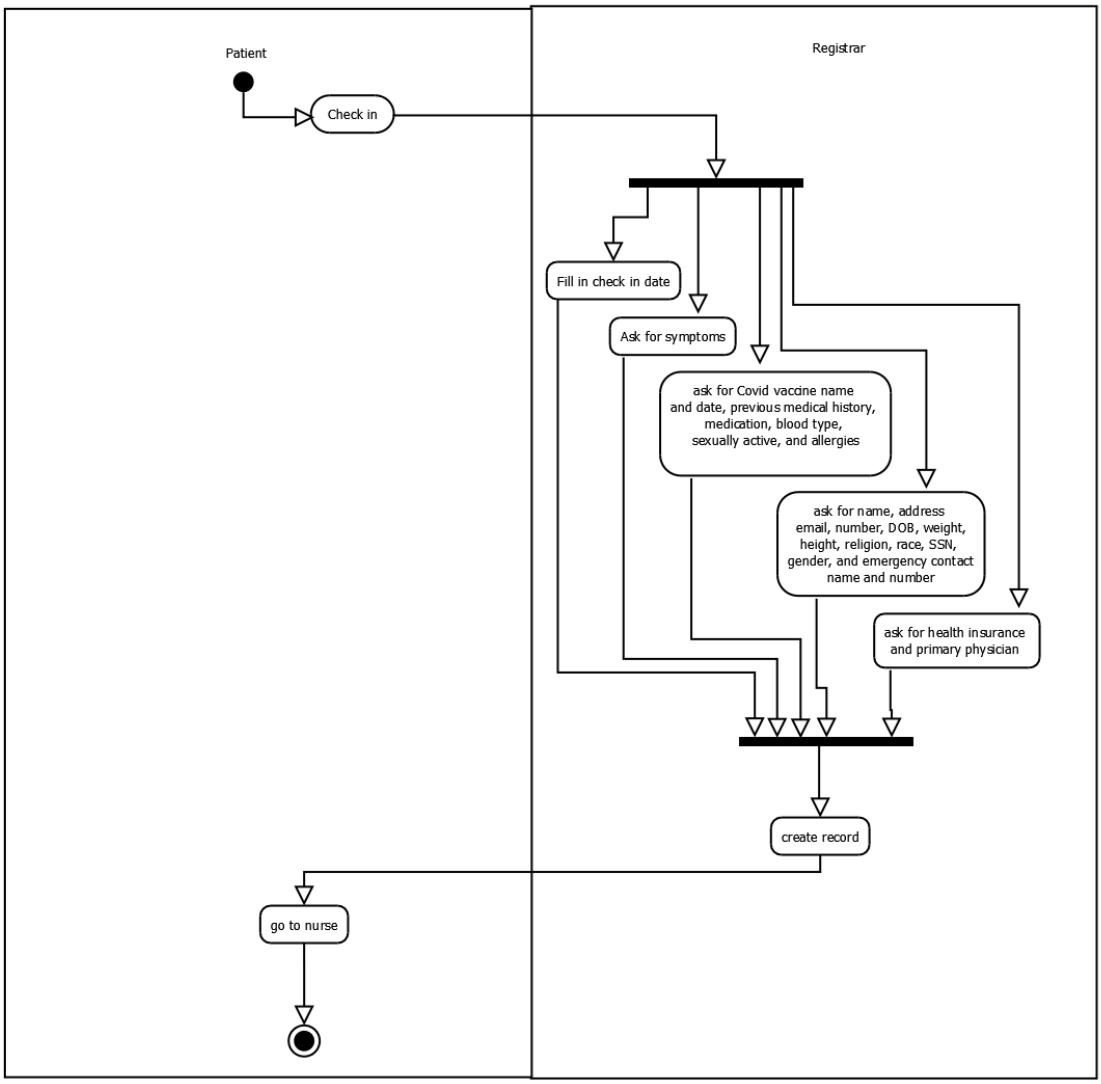

Login/Logout
Start
Enter user credentials on login page
Check user type and grant appropriate permissions
Registrar actions
Doctor actions
Nurse actions
Billing actions
Log out or terminate program
End

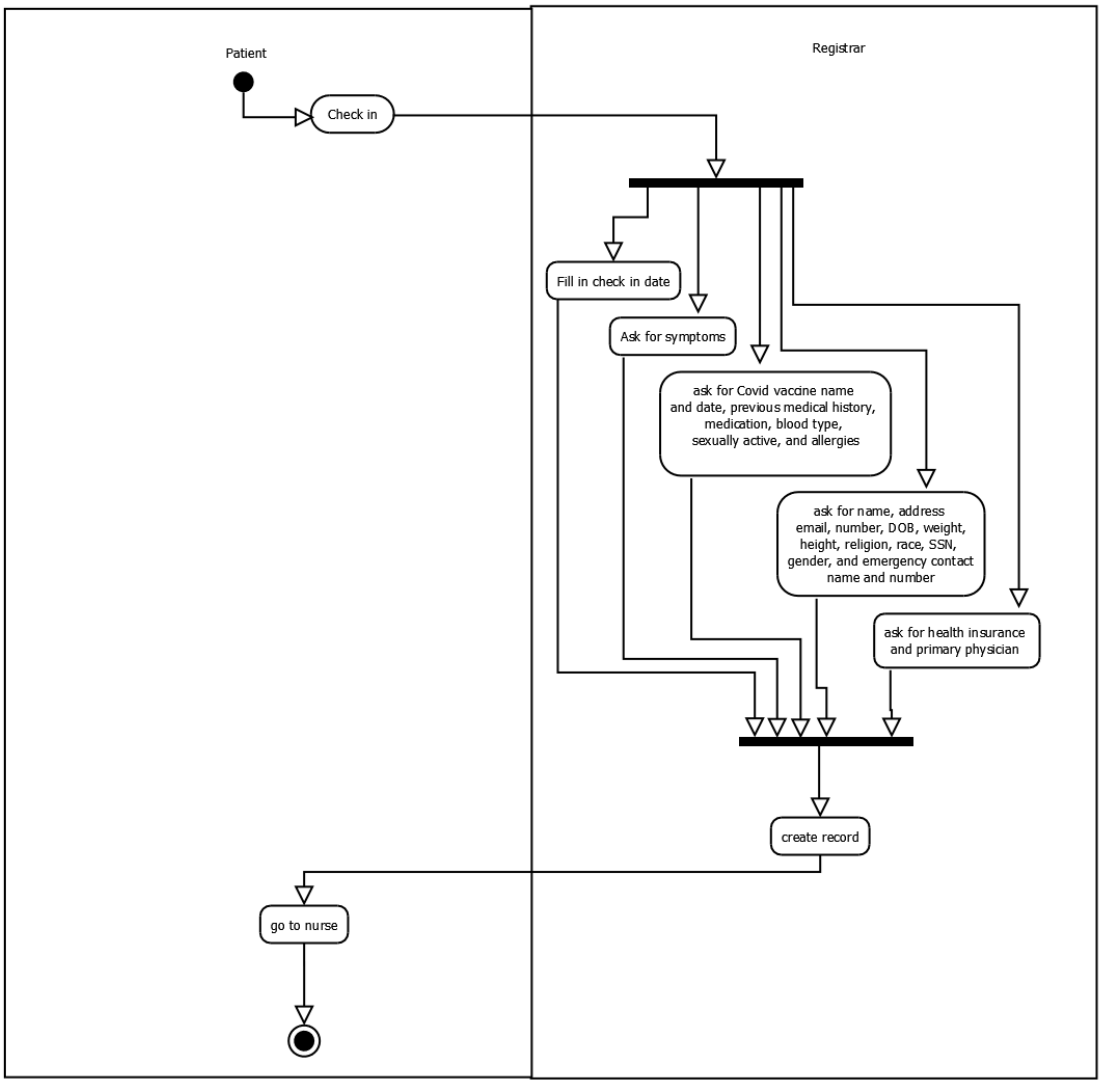
Patient View




Nurse
Log into hospital database
Searches for patient in database
ViewRecord
EditRecord
Perform various tests
View updated record
Give instructions for patient before meeting the doctor


Doctor
Log into hospital database
Searches for patient in database
ViewRecord
EditRecord
Perform various tests
Diagnose
Prescribe medication
View updated record
Write Discharge Info


Patient
Registrar
Check in
Fill in check in date
Ask for symptoms
ask for Covid vaccine name and date, previous medical history, medication, blood type, sexually active, and allergies
ask for name, address email, number, DOB, weight, height, religion, race, SSN, gender, and emergency contact name and number
ask for health insurance and primary physician
create record
go to nurse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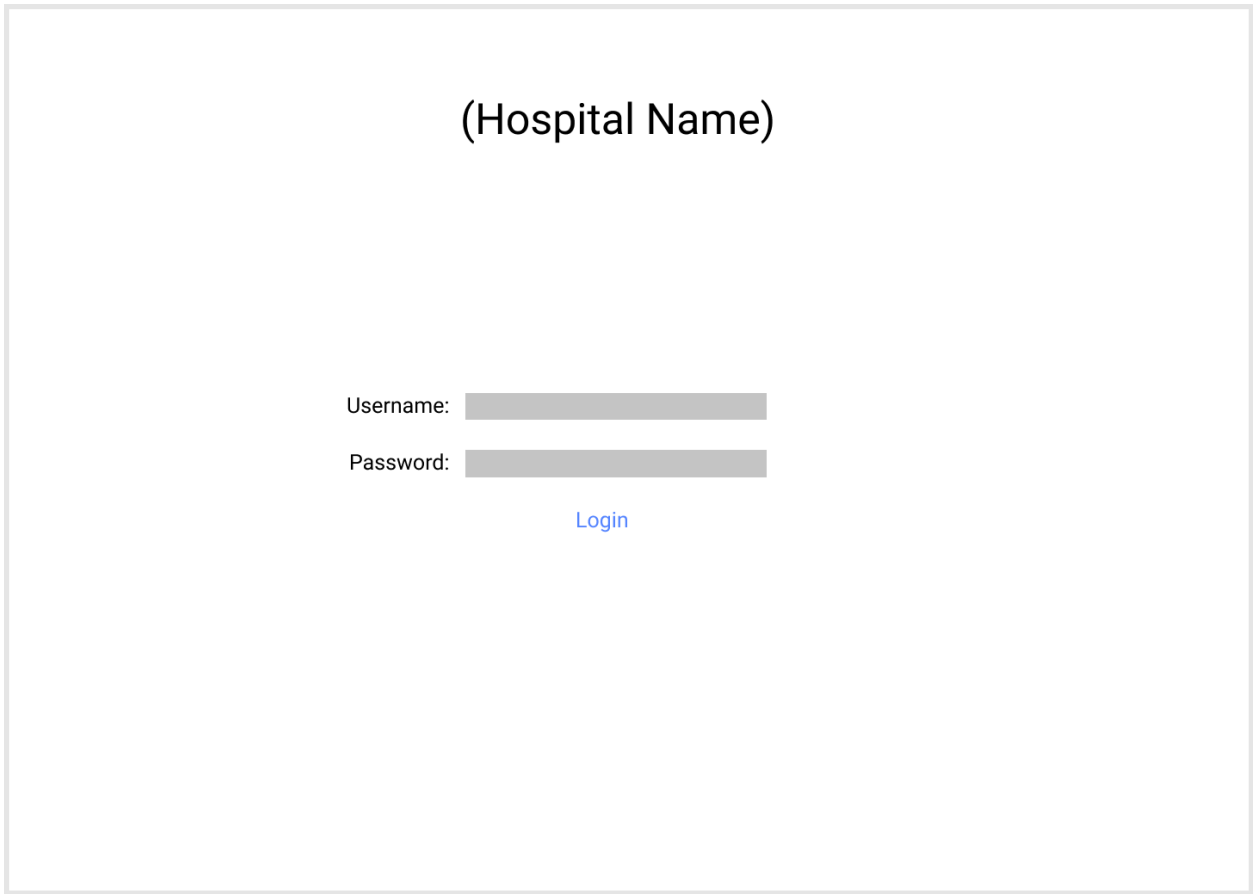
Prototype UI:



(Doctor Name) Sign out

Patient List	Patient Information
• Patient A • Patient B • Patient C ...	Patient A Edit Record Personal information: • Height • weight • Nurse notes, etc Diagnosis: Test Results: Prescriptions: Discharge Instructions: Submit Changes

(Nurse Name) Sign out

Patient List	Patient Information
• Patient A • Patient B • Patient C ...	Patient A Edit Record (Nurse can only edit personal info and test results) Personal information: • Height • weight • Nurse notes, etc Diagnosis: Test Results: Prescriptions: Discharge Instructions: Submit Changes

Create Bill Sign out

Patient List	Services Provided
• Patient A • Patient B • Patient C ...	Patient A • (Bulleted list of services provided, diagnostic tests, treatments etc) • Individual cost of each service Total: Submit

Patient Intake Form

- All personal information: name, height, weight, etc placed in individual text boxes in a list

Submit

(Patient Name) Sign out

- All personal information
- Test Results
- Diagnosis
- Nurse Instructions

- Balance due: $
  Pay bill (opens payment form, takes payment info)