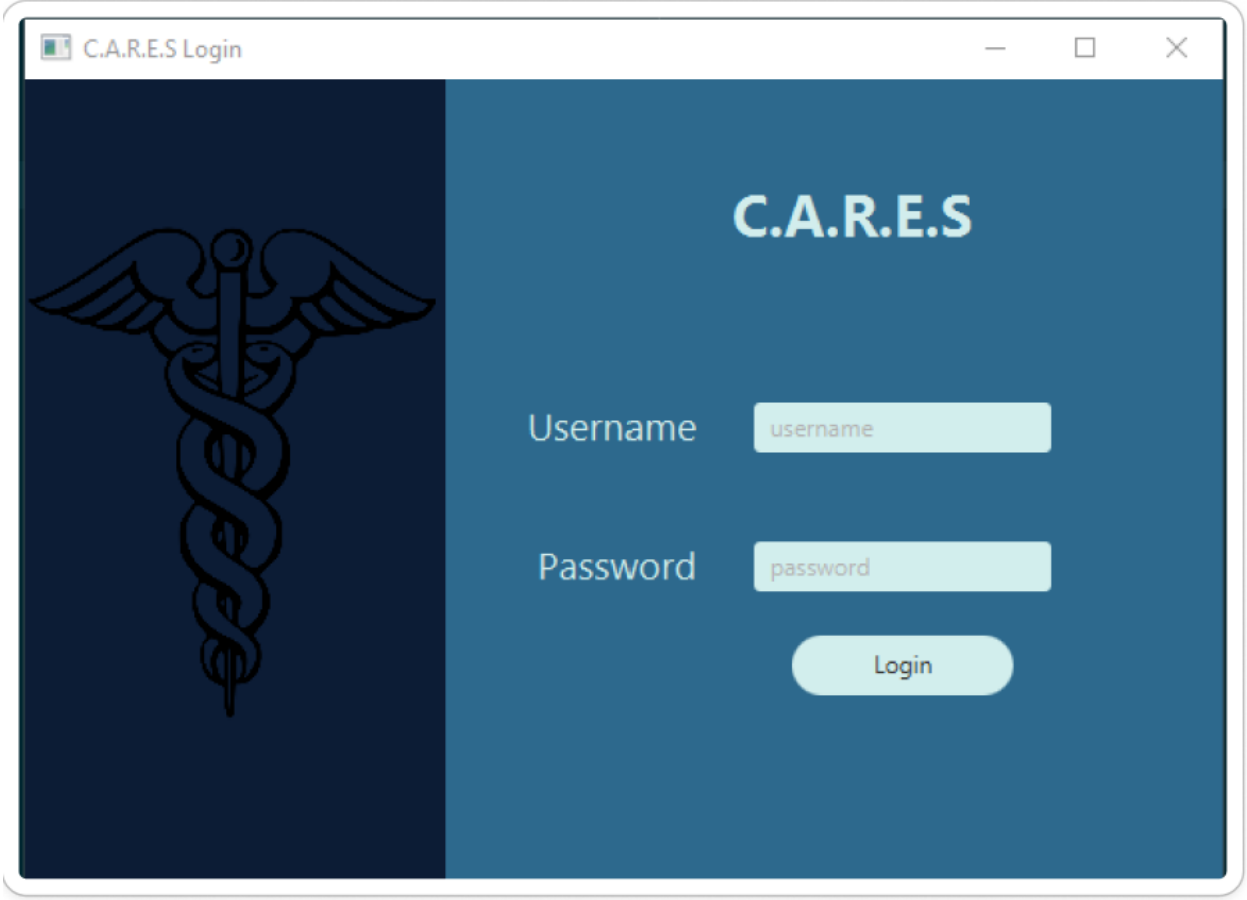
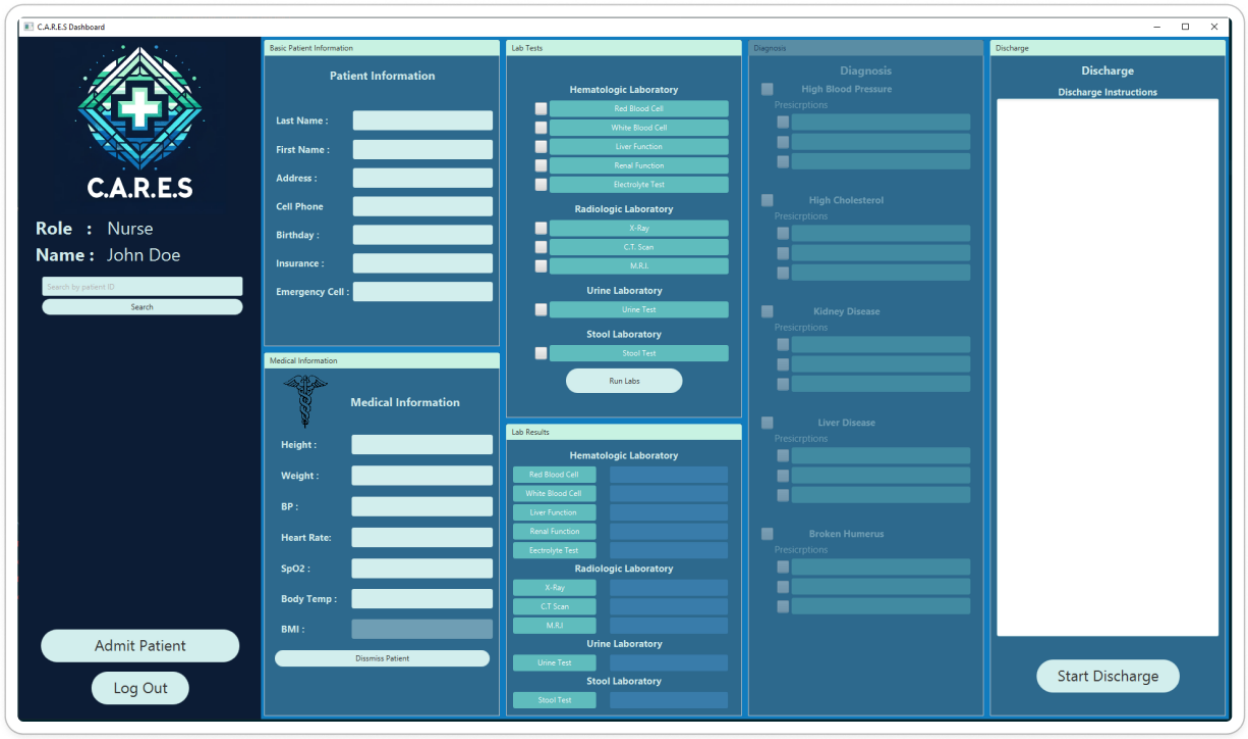
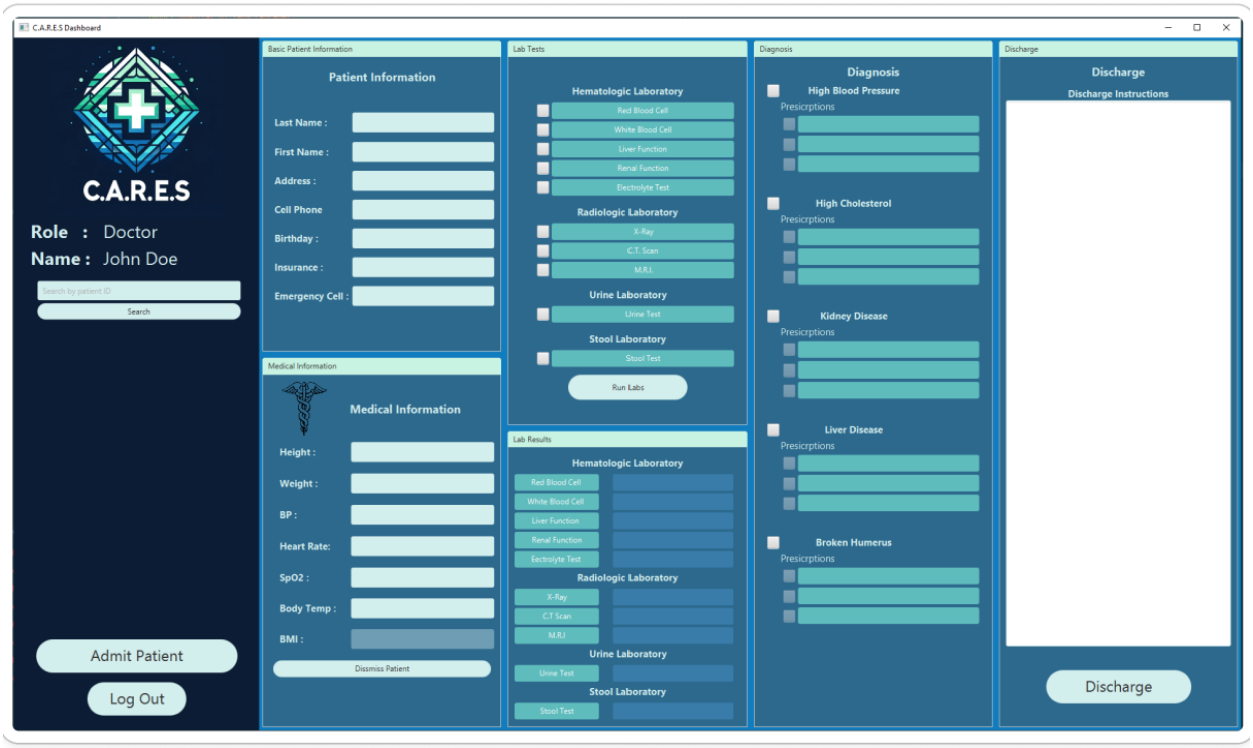
The Residents - Deliverable #3
Aden D’Occhio, Fatima Chowdhury, and Alessandro DiCesare

UI Mock-up:




C.A.R.E.S Dashboard
C.A.R.E.S
Role : Nurse
Name : John Doe
Search by patient ID
Search
Admit Patient
Log Out
Basic Patient Information
Patient Information
Last Name :
First Name :
Address :
Cell Phone
Birthday :
Insurance :
Emergency Cell :
Medical Information
Medical Information
Height :
Weight :
BP :
Heart Rate:
SpO2 :
Body Temp :
BMI :
Dismiss Patient
Lab Tests
Hematologic Laboratory
Red Blood Cell
White Blood Cell
Liver Function
Renal Function
Electrolyte Test
Radiologic Laboratory
X-Ray
C.T. Scan
M.R.I.
Urine Laboratory
Urine Test
Stool Laboratory
Stool Test
Run Labs
Lab Results
Hematologic Laboratory
Red Blood Cell
White Blood Cell
Liver Function
Renal Function
Electrolyte Test
Radiologic Laboratory
X-Ray
C.T. Scan
M.R.I.
Urine Laboratory
Urine Test
Stool Laboratory
Stool Test
Diagnosis
Diagnosis
High Blood Pressure
Presicrptions
High Cholesterol
Presicrptions
Kidney Disease
Presicrptions
Liver Disease
Presicrptions
Broken Humerus
Presicrptions
Discharge
Discharge
Discharge Instructions
Start Discharge


C.A.R.E.S Dashboard
C.A.R.E.S
Role : Doctor
Name : John Doe
Search by patient ID
Search
Admit Patient
Log Out
Basic Patient Information
Patient Information
Last Name :
First Name :
Address :
Cell Phone
Birthday :
Insurance :
Emergency Cell :
Medical Information
Medical Information
Height :
Weight :
BP :
Heart Rate:
SpO2 :
Body Temp :
BMI :
Dismiss Patient
Lab Tests
Hematologic Laboratory
Red Blood Cell
White Blood Cell
Liver Function
Renal Function
Electrolyte Test
Radiologic Laboratory
X-Ray
C.T. Scan
M.R.I.
Urine Laboratory
Urine Test
Stool Laboratory
Stool Test
Run Labs
Lab Results
Hematologic Laboratory
Red Blood Cell
White Blood Cell
Liver Function
Renal Function
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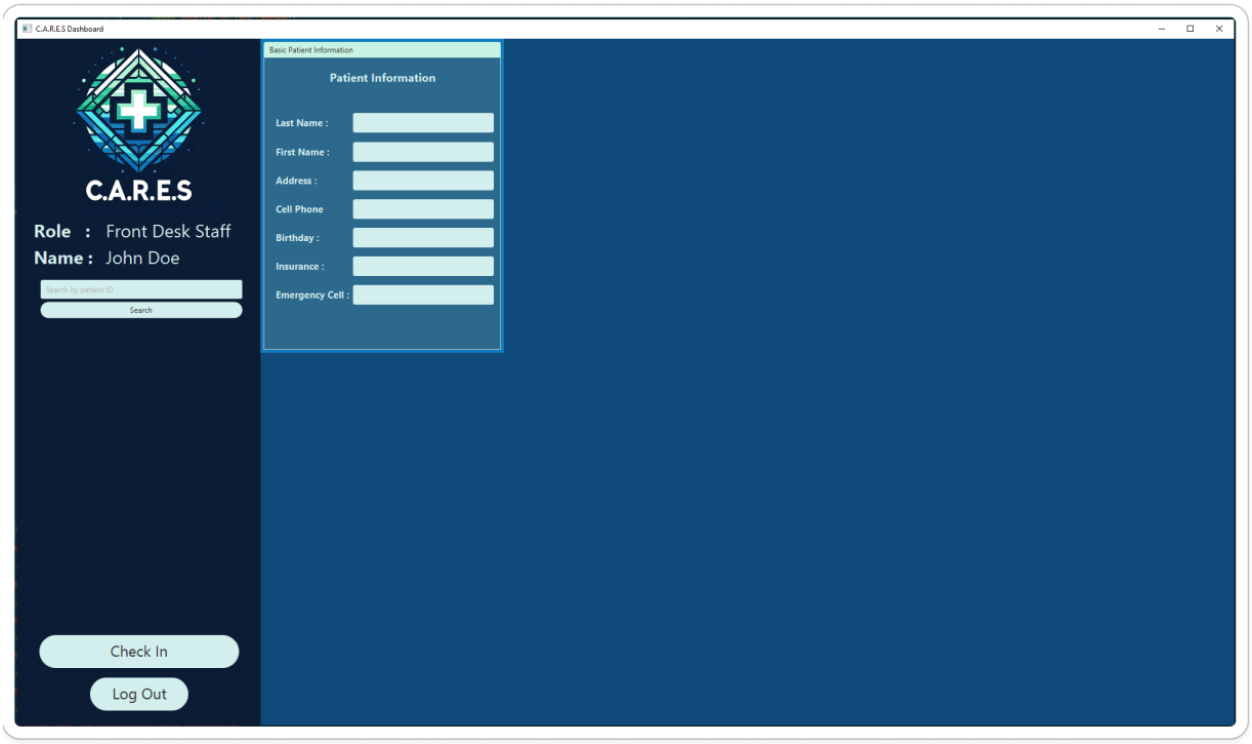
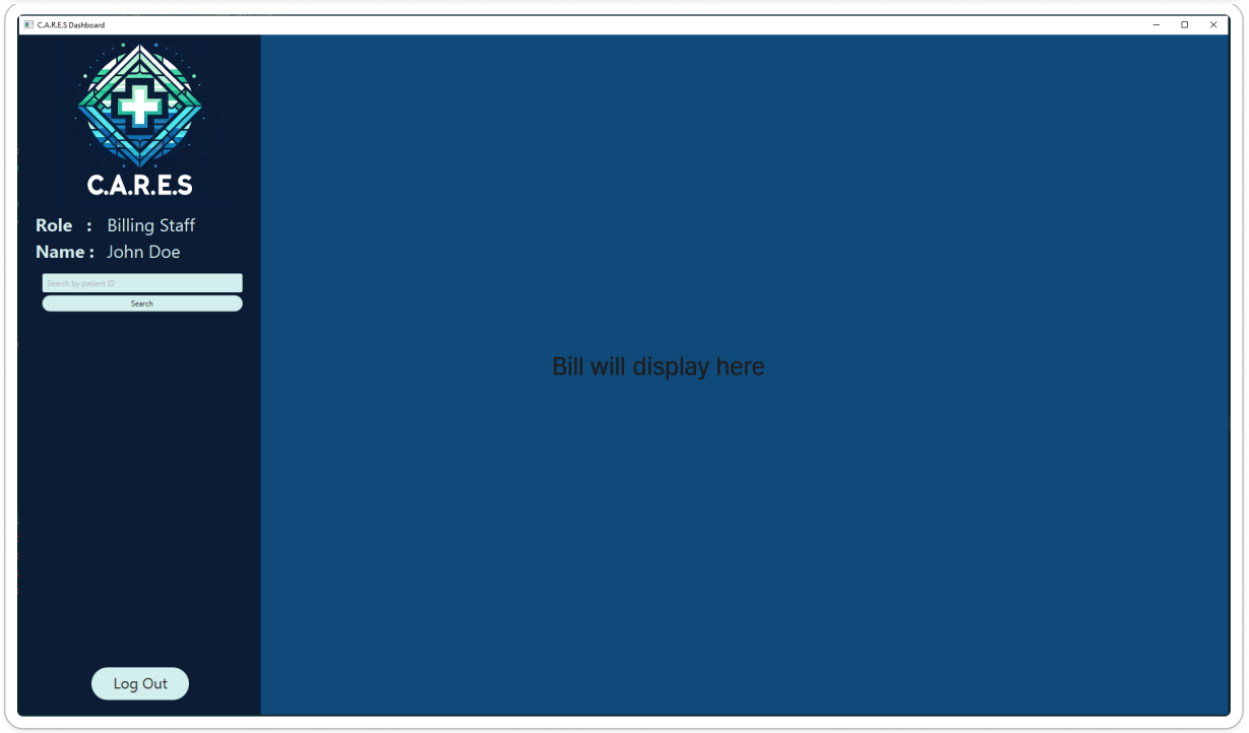
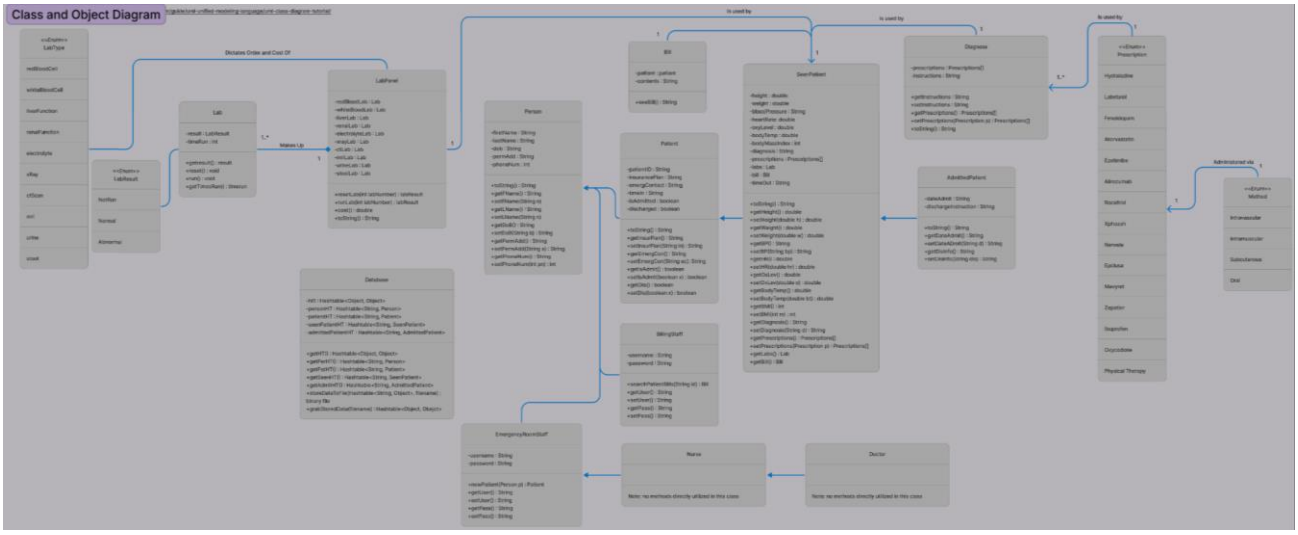
Urine Laboratory
Urine Test
Stool Laboratory
Stool Test
Diagnosis
Diagnosis
High Blood Pressure
Presicrptions
High Cholesterol
Presicrptions
Kidney Disease
Presicrptions
Liver Disease
Presicrptions
Broken Humerus
Presicrptions
Discharge
Discharge
Discharge Instructions
Discharge

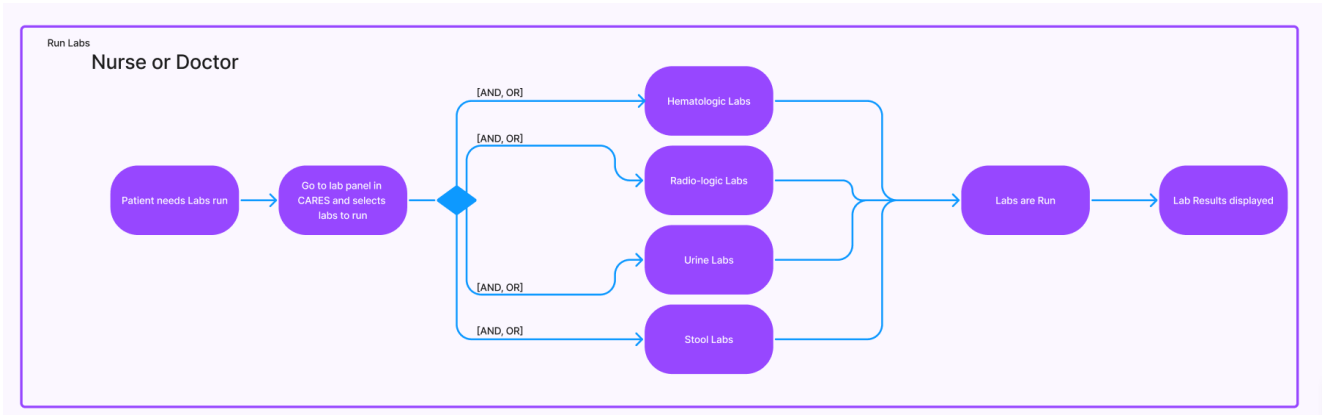

C.A.R.E.S Dashboard
C.A.R.E.S
Role : Front Desk Staff
Name : John Doe
Search by patient ID
Search
Check In
Log Out
Basic Patient Information
Patient Information
Last Name :
First Name :
Address :
Cell Phone
Birthday :
Insurance :
Emergency Cell :

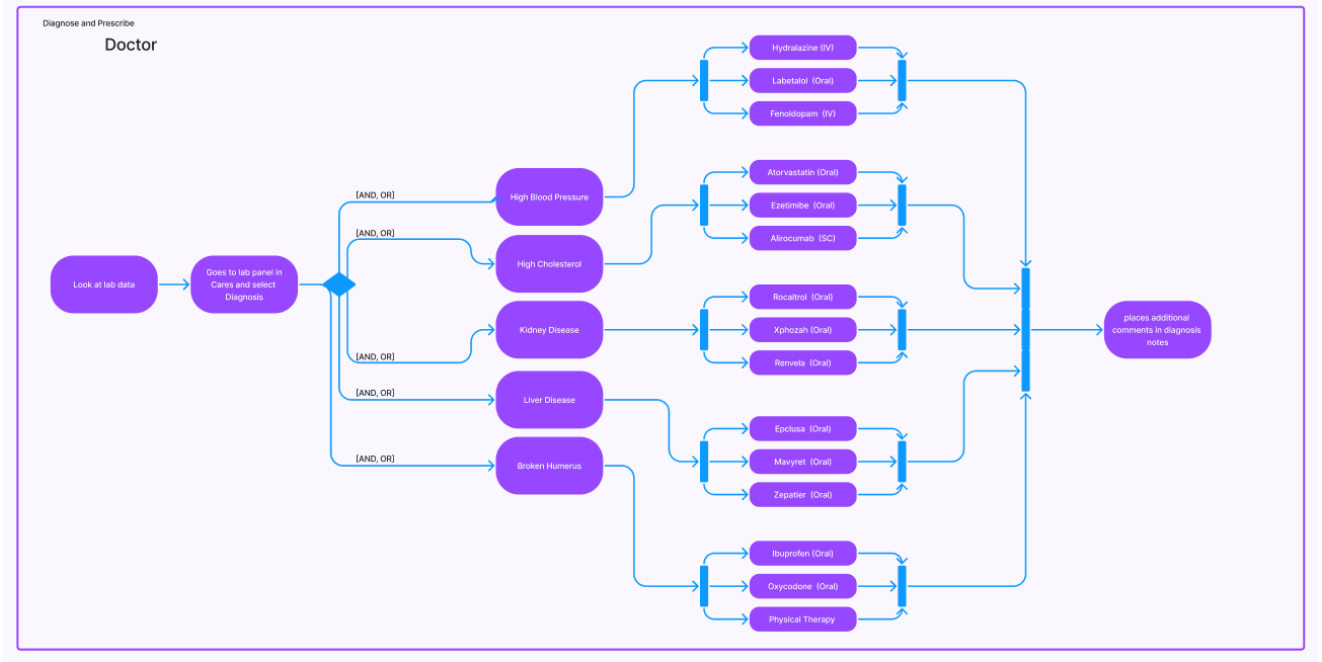

C.A.R.E.S Dashboard
C.A.R.E.S
Role : Billing Staff
Name : John Doe
Search by patient ID
Search
Log Out
Bill will display here

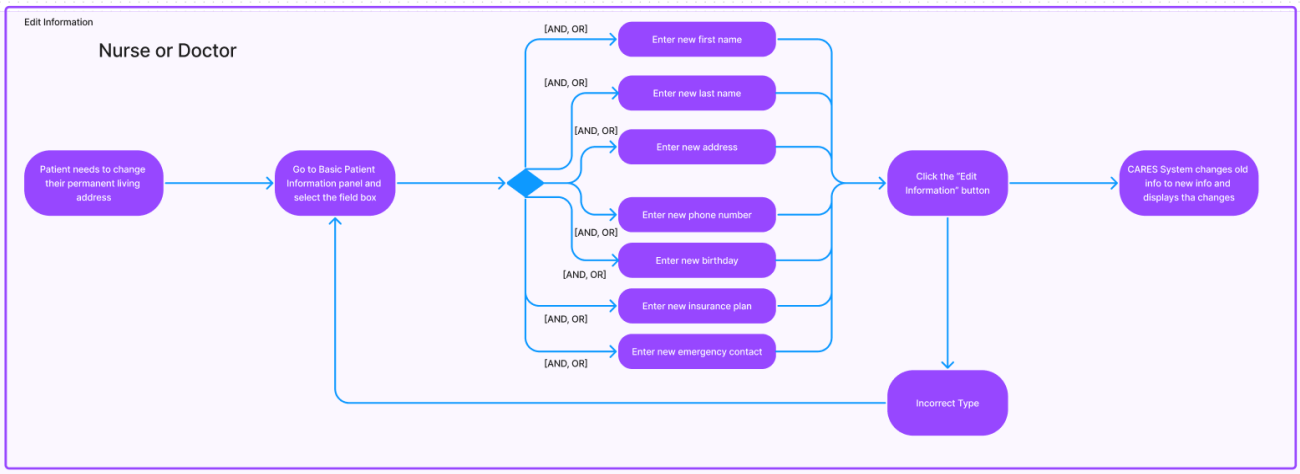
Class and Object Diagram:

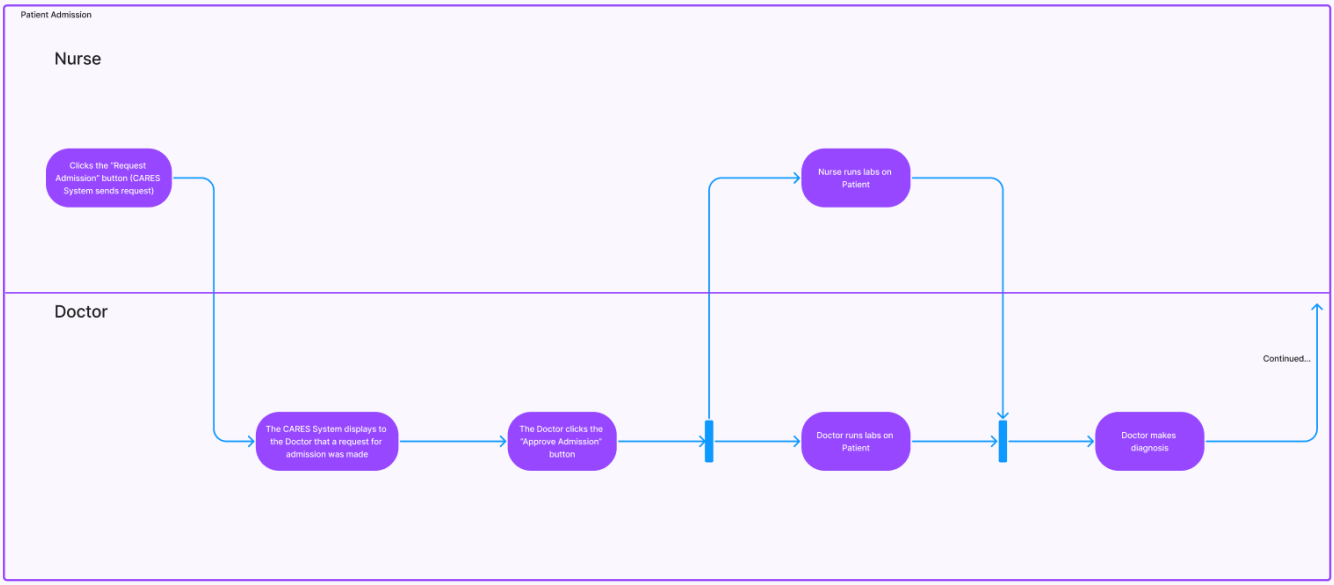


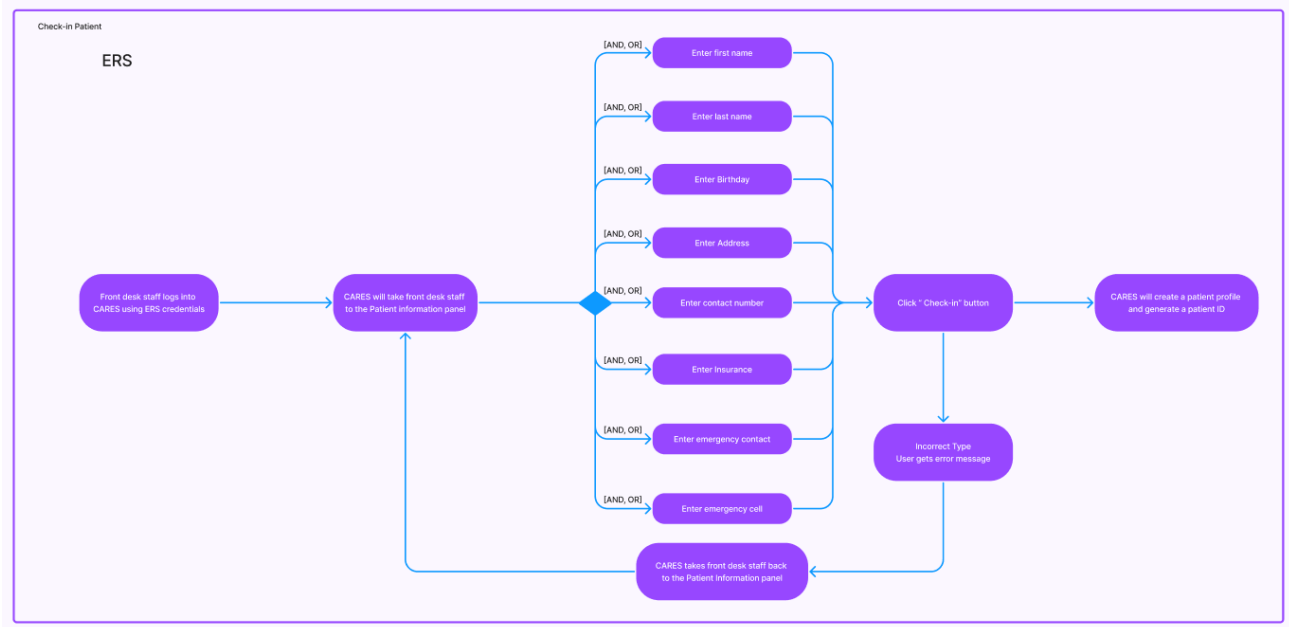
Activity Diagrams:

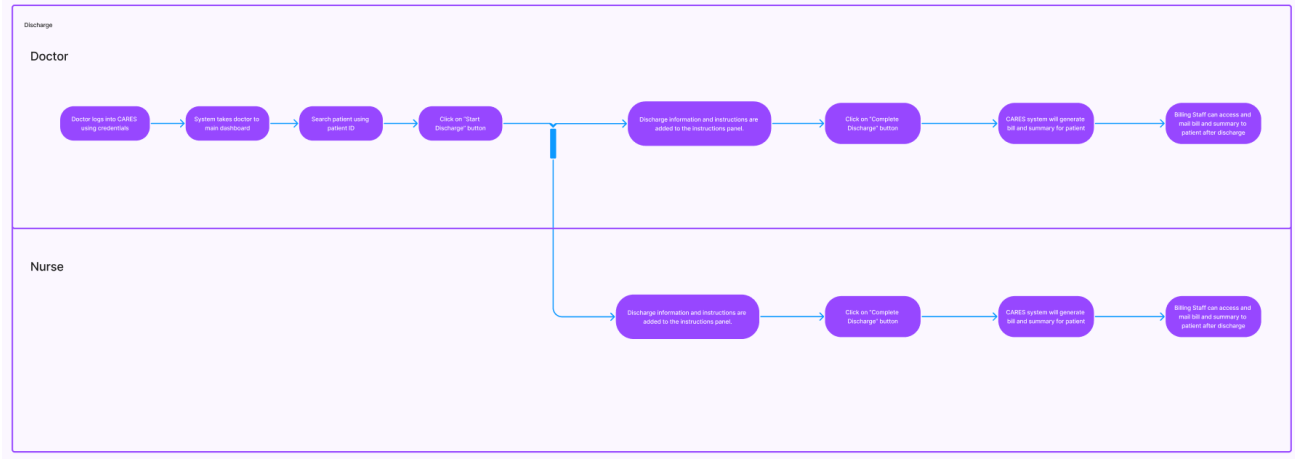





Edit Information
Nurse or Doctor
Patient needs to change their permanent living address
Go to Basic Patient Information panel and select the field box
[AND, OR]
Enter new first name
[AND, OR]
Enter new last name
[AND, OR]
Enter new address
Enter new phone number
[AND, OR]
Enter new birthday
[AND, OR]
Enter new insurance plan
[AND, OR]
Enter new emergency contact
[AND, OR]
Click the "Edit Information" button
CARES System changes old info to new info and displays tha changes
Incorrect Type


Patient Admission
Nurse
Clicks the "Request Admission" button (CARES System sends request)
Nurse runs labs on Patient
Doctor
The CARES System displays to the Doctor that a request for admission was made
The Doctor clicks the "Approve Admission" button
Doctor runs labs on Patient
Doctor makes diagnosis
Continued...


Check-in Patient
ERS
Front desk staff logs into CARES using ERS credentials
CARES will take front desk staff to the Patient information panel
[AND, OR]
Enter first name
[AND, OR]
Enter last name
[AND, OR]
Enter Birthday
[AND, OR]
Enter Address
[AND, OR]
Enter contact number
[AND, OR]
Enter Insurance
[AND, OR]
Enter emergency contact
[AND, OR]
Enter emergency cell
Click " Check-in" button
CARES will create a patient profile and generate a patient ID
Incorrect Type
User gets error message
CARES takes front desk staff back to the Patient information panel


Discharge
Doctor
Doctor logs into CARES using credentials
System takes doctor to main dashboard
Search patient using patient ID
Click on "Start Discharge" button
Discharge information and instructions are added to the instructions panel.
Click on "Complete Discharge" button
CARES system will generate bill and summary for patient
Billing Staff can access and mail bill and summary to patient after discharge
Nurse
Discharge information and instructions are added to the instructions panel.
Click on "Complete Discharge" button
CARES system will generate bill and summary for patient
Billing Staff can access and mail bill and summary to patient after discharge