Daffodil International University

Faculty of Science & Information Technology

Department of Software Engineering

Project Proposal

On

"Prescription and Report Delivery System"

Course Code: SWE 331

Course Title: Object-Oriented Software Development

Submitted To:

Rashed Karim

Submitted By:

Md. Maksudur Rahman
Id: 163-35-1778

Level: 3 Term: 3

Section: B

Project Title: **Prescription and Report Delivery System**

Technology: Web programming language (PHP, HTML, CSS, JavaScript)

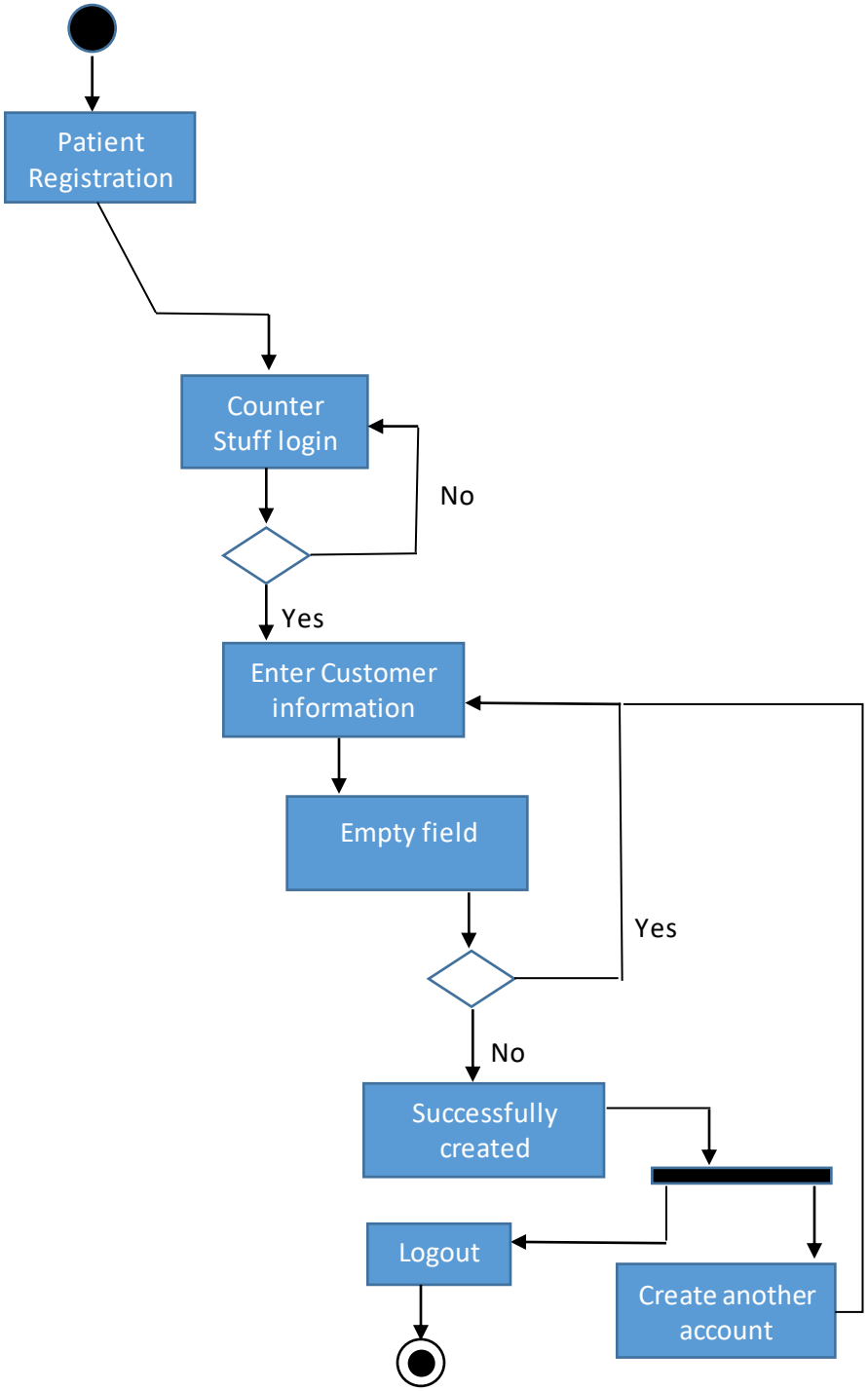
Description:

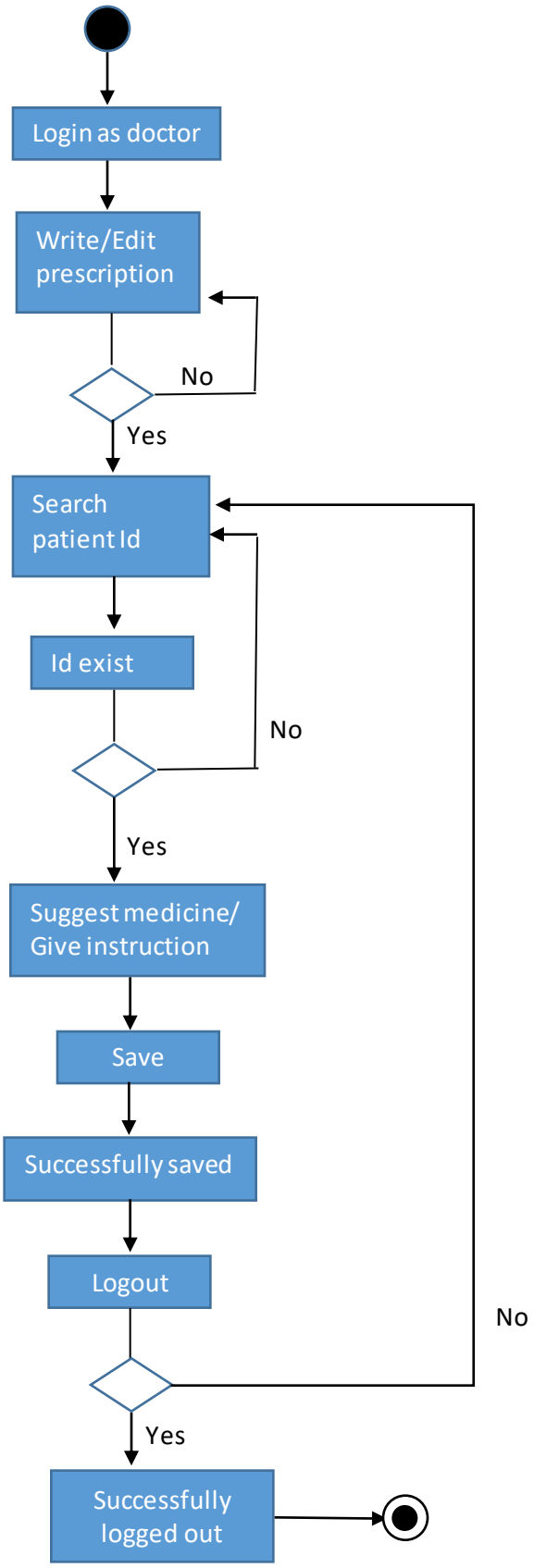
Our project name is **"Prescription and Report Delivery System"**. In this project, we are going to solve some public issues and some real-life problems which occur in Bangabandhu Sheikh Mujib Medical University (BSMMU). The problem with the prescription is, people sometimes lost their prescriptions on pharmacy, road and somewhere else. After losing their prescription, if they want to have it again then they have to collect it by queuing in a big serial. And after collecting it, they have to go to the doctor again for prescribing about their disease. So, if anyone lost their prescription its really hard to makeover it and its also waste their time. And sometimes its really difficult to understand the handwriting in prescription. When people are going to collect their reports from report delivery booth they have to wait a long time in serial to collect it. Sometimes waiting in a serial for long-time the report cannot be found in the booth(delivery person suggest to go another building). So people have to go one building to another to collect the report. So its a waste of time. And there is also a risk of losing the report. In this project, we are going to make a system in which authority can create an id for patients including their name and age and it will be used as a prescription for a patient. Patients only have to collect the id from the ticket counter. When a patient collects his id from the ticket counter and goes to the doctor's chamber, the doctor can access his prescription and can prescribe him using the system. Using this system patient can also view and print their prescription from anywhere. For using this system doctor's don't have to hand write on the prescription so it will be easy to understand the prescription(handwriting problem solved). For collecting the report(blood, urine) people don't have to queue in a long serial. if the report is ready to deliver then they can collect their report from the system by using their id from anywhere. If patients want to print their report they can print. If the report is ready to deliver then they can go to the doctor's chamber for showing their report to the doctor. Doctors also will have access to every patient's reports so its not necessary for a patient to come with the printed report.

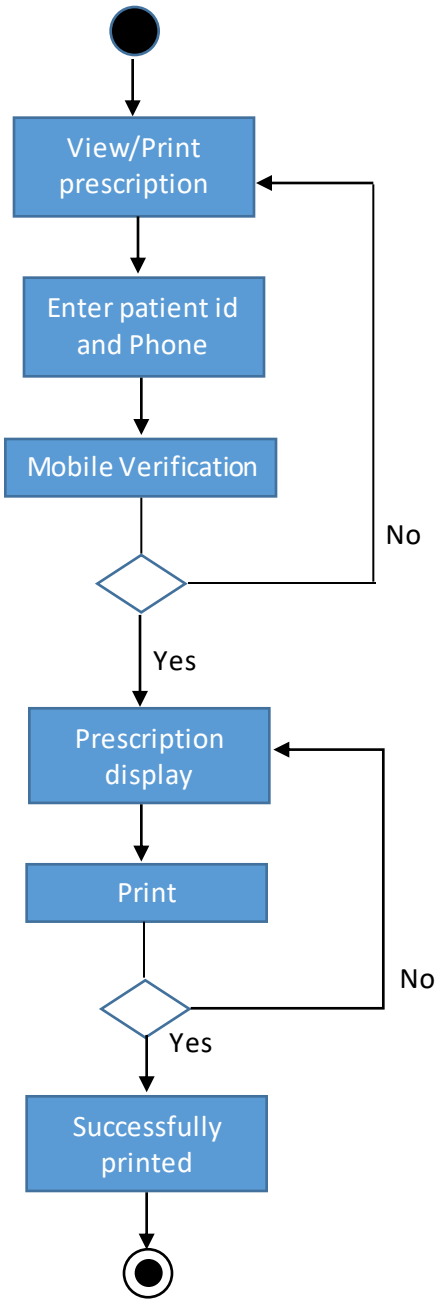
SRS:

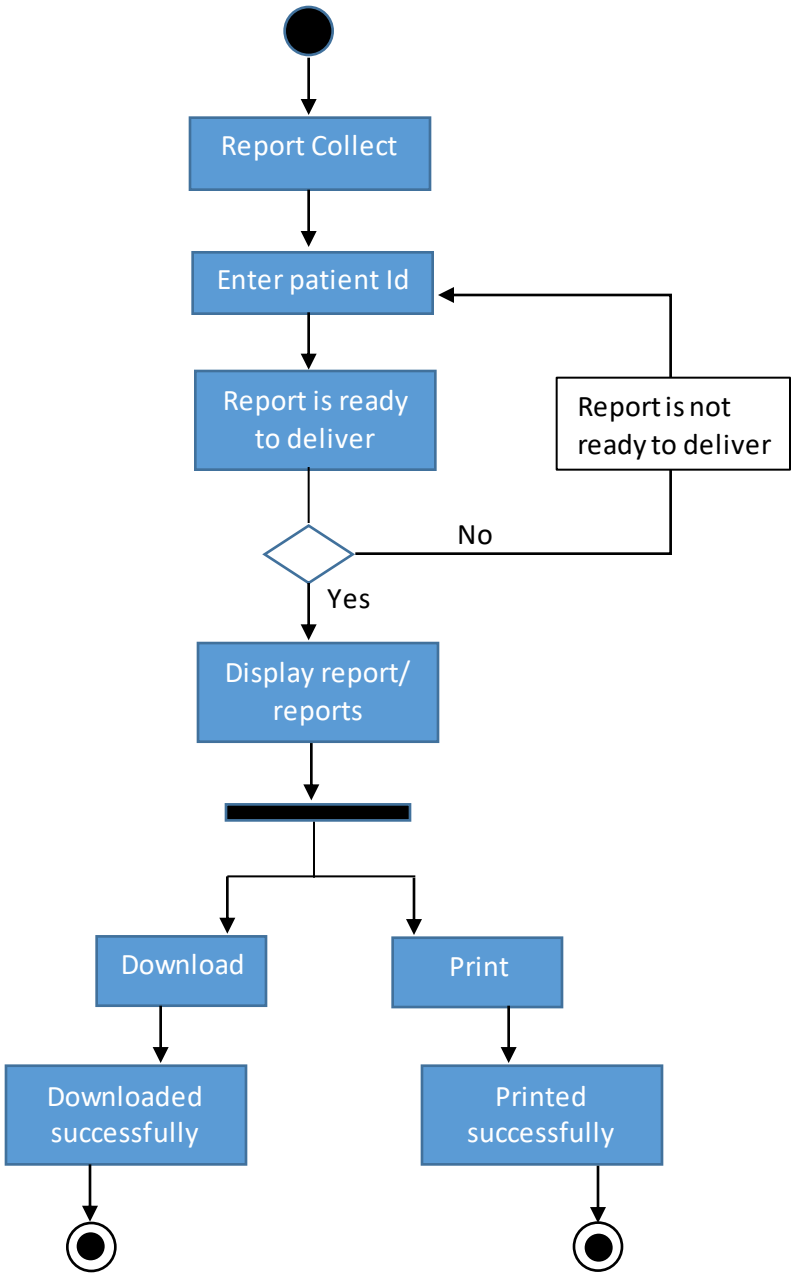
SRS ID	SRS Name	Priority	SRS Details
FR01	Registration &validation	High	For registration user must provide valid information.
FR02	Patient Account	High	Authority can create a patient account(which will be used as prescription).
FR03	Access/edit prescription	High	Doctor will access to the patients prescription by patients id and prescribe the patient.
FR04	View/print prescription	Medium	Anyone can view and print the prescription by id
FR05	Report collect	High	Patient can collect their report from anywhere if the report is ready to deliver.
FR06	Print report	Medium	Patient can print their report.
NFR07	Usabilty	High	How difficult the system will be for a user to use.
NFR08	Security	High	How secure the system and system's information. And only authorized person can access the system.
NFR09	Reliabilty	High	Reliabilty depends on the system failure or having bugs in the system.
NFR10	Scalability	High	Serving more users and processing more data.

Activity Diagram:

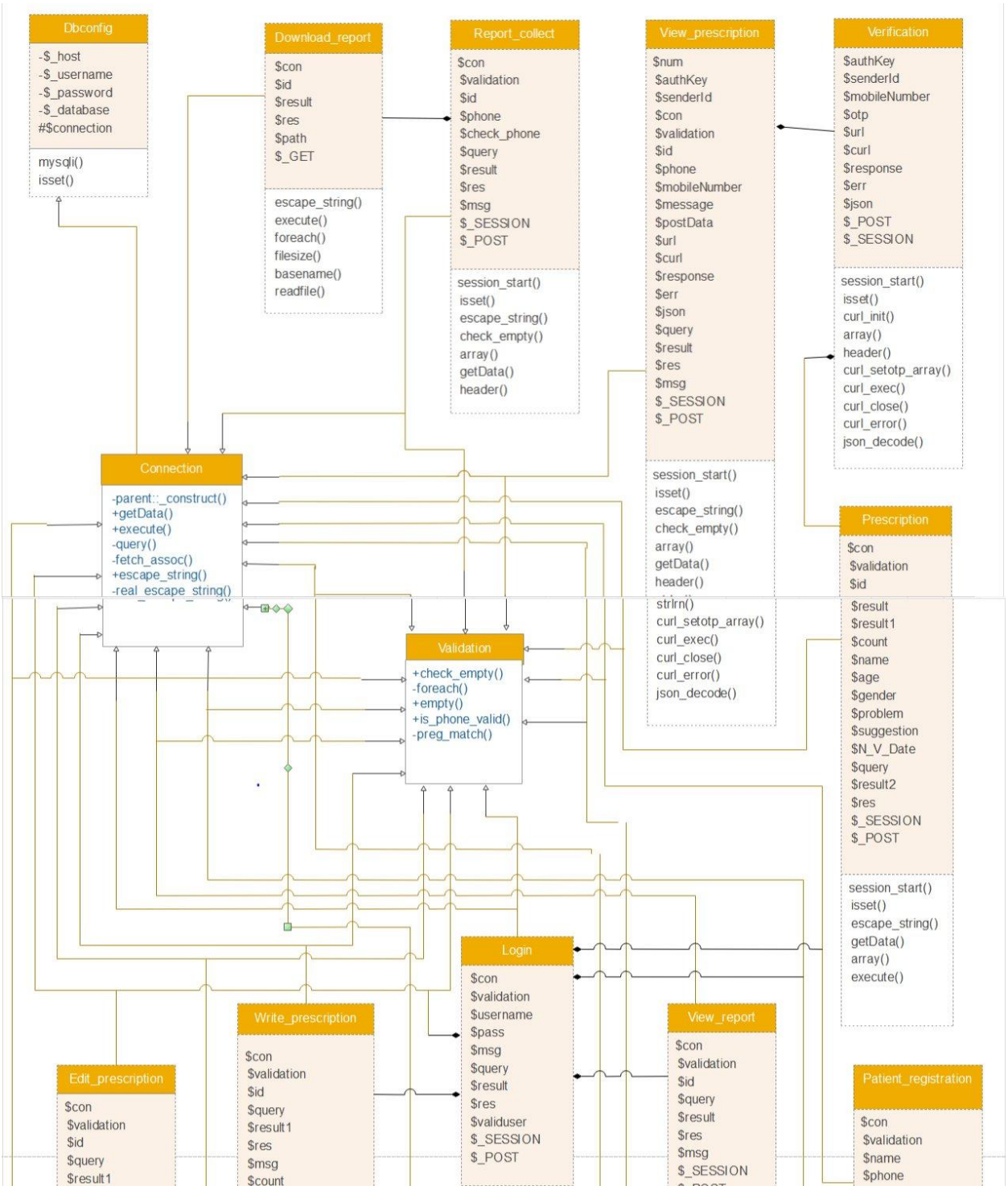


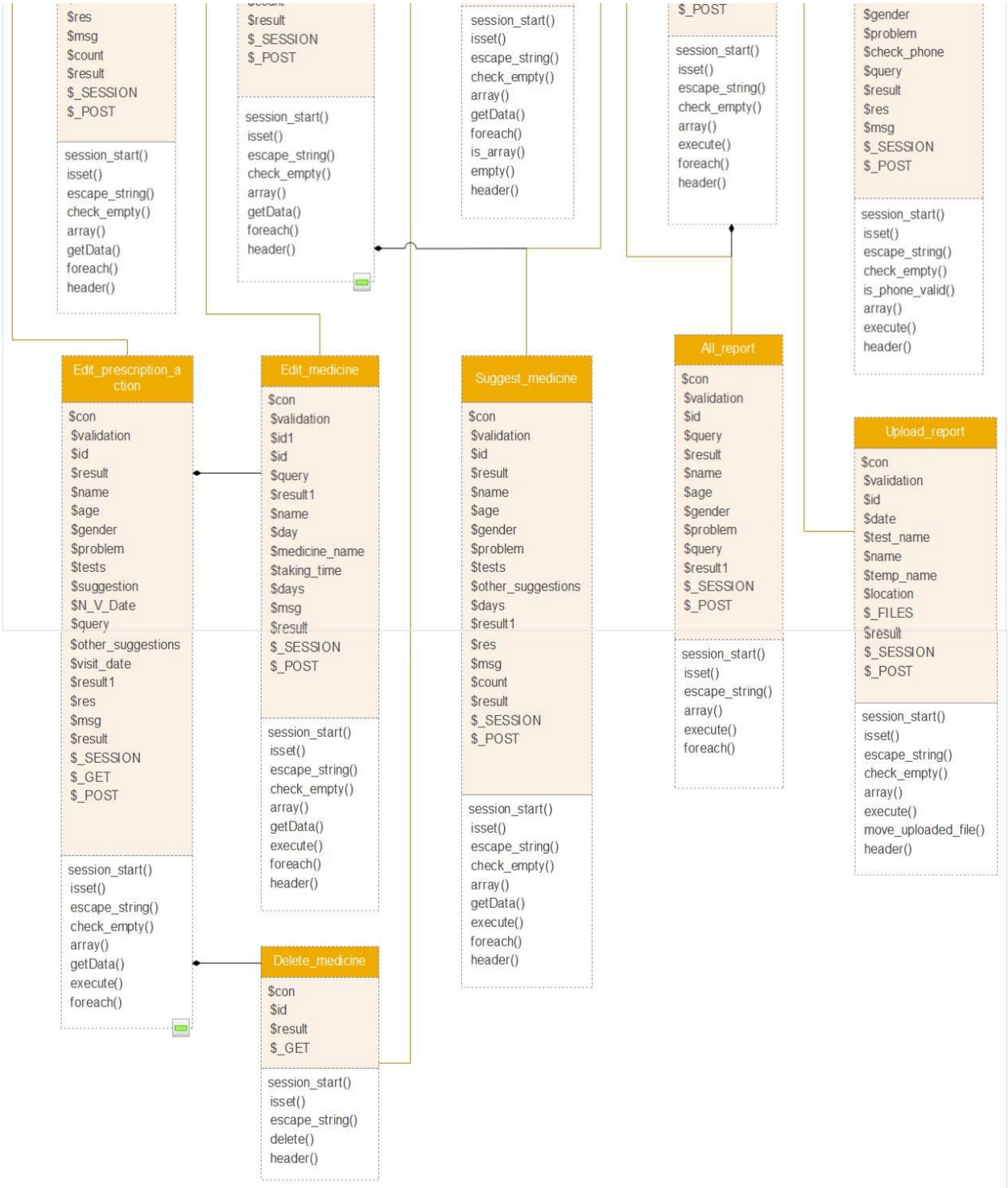

Login as doctor
Write/Edit prescription
No
Yes
Search patient Id
Id exist
No
Yes
Suggest medicine/ Give instruction
Save
Successfully saved
Logout
No
Yes
Successfully logged out


View/Print prescription
Enter patient id and Phone
Mobile Verification
No
Yes
Prescription display
Print
No
Yes
Successfully printed


Report Collect
Enter patient Id
Report is ready to deliver
Report is not ready to deliver
No
Yes
Display report/ reports
Download
Print
Downloaded successfully
Printed successfully

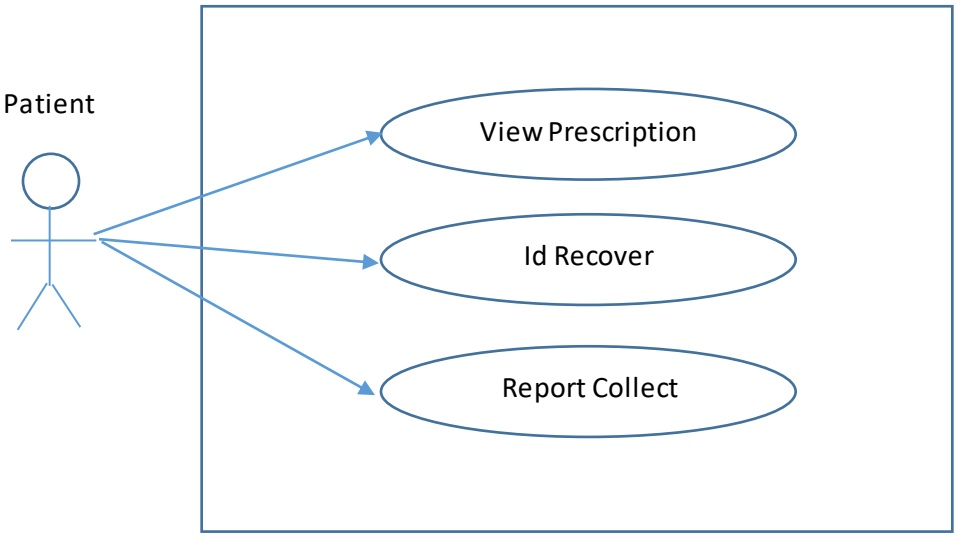
Class Diagram:



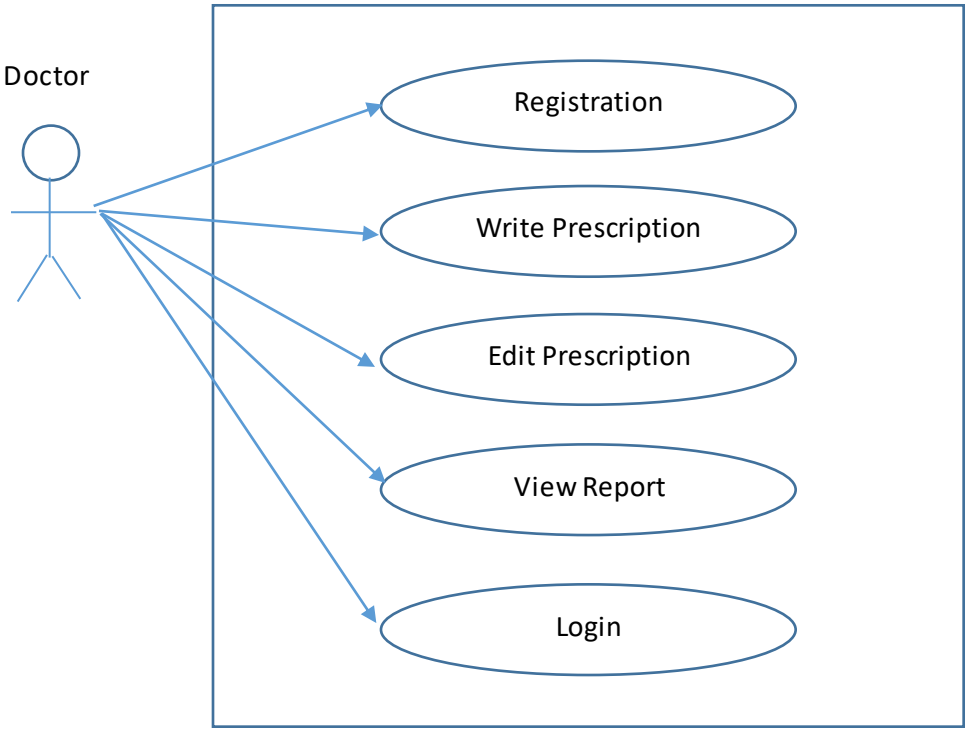

$res
$msg
$count
$result
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
getData()
foreach()
header()
$result
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
getData()
foreach()
header()
session_start()
isset()
escape_string()
check_empty()
array()
getData()
foreach()
is_array()
empty()
header()
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
execute()
foreach()
header()
$gender
$problem
$check_phone
$query
$result
$res
$msg
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
is_phone_valid()
array()
execute()
header()
Edit_prescription_action
$con
$validation
$id
$result
$name
$age
$gender
$problem
$tests
$suggestion
$N_V_Date
$query
$other_suggestions
$visit_date
$result1
$res
$msg
$result
$_SESSION
$_GET
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
getData()
execute()
foreach()
Edit_medicine
$con
$validation
$id1
$id
$query
$result1
$name
$day
$medicine_name
$taking_time
$days
$msg
$result
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
getData()
execute()
foreach()
header()
Suggest_medicine
$con
$validation
$id
$result
$name
$age
$gender
$problem
$tests
$other_suggestions
$days
$result1
$res
$msg
$count
$result
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
getData()
execute()
foreach()
header()
All_report
$con
$validation
$id
$query
$result
$name
$age
$gender
$problem
$query
$result1
$_SESSION
$_POST
session_start()
isset()
escape_string()
array()
execute()
foreach()
Upload_report
$con
$validation
$id
$date
$test_name
$name
$temp_name
$location
$_FILES
$result
$_SESSION
$_POST
session_start()
isset()
escape_string()
check_empty()
array()
execute()
move_uploaded_file()
header()
Delete_medicine
$con
$id
$result
$_GET
session_start()
isset()
escape_string()
delete()
header()

User Case:

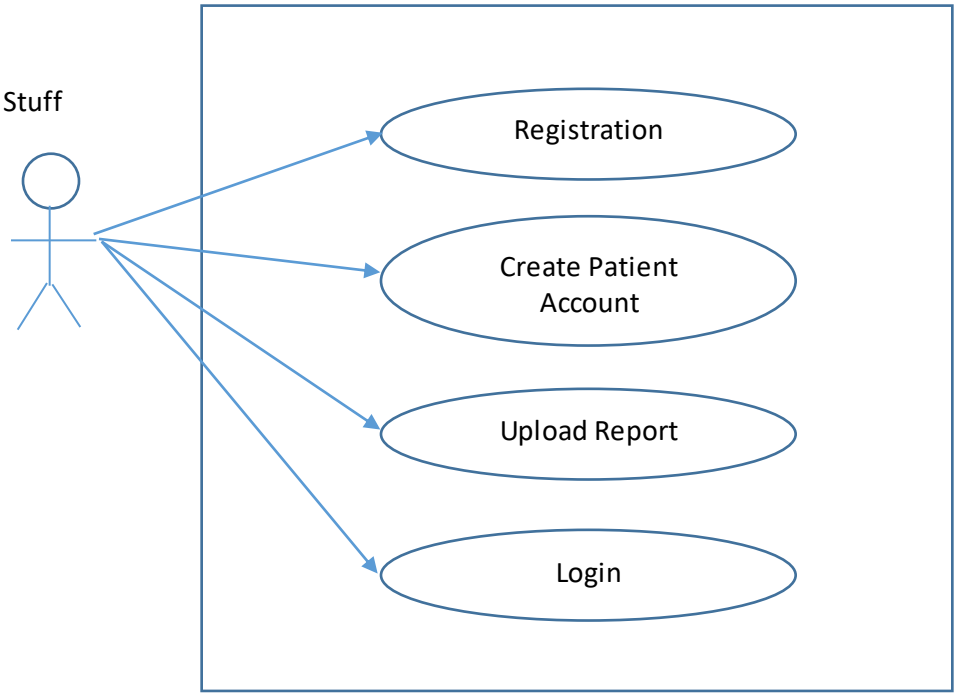
Use case Diagram for Patient



Use case Diagram for Doctor

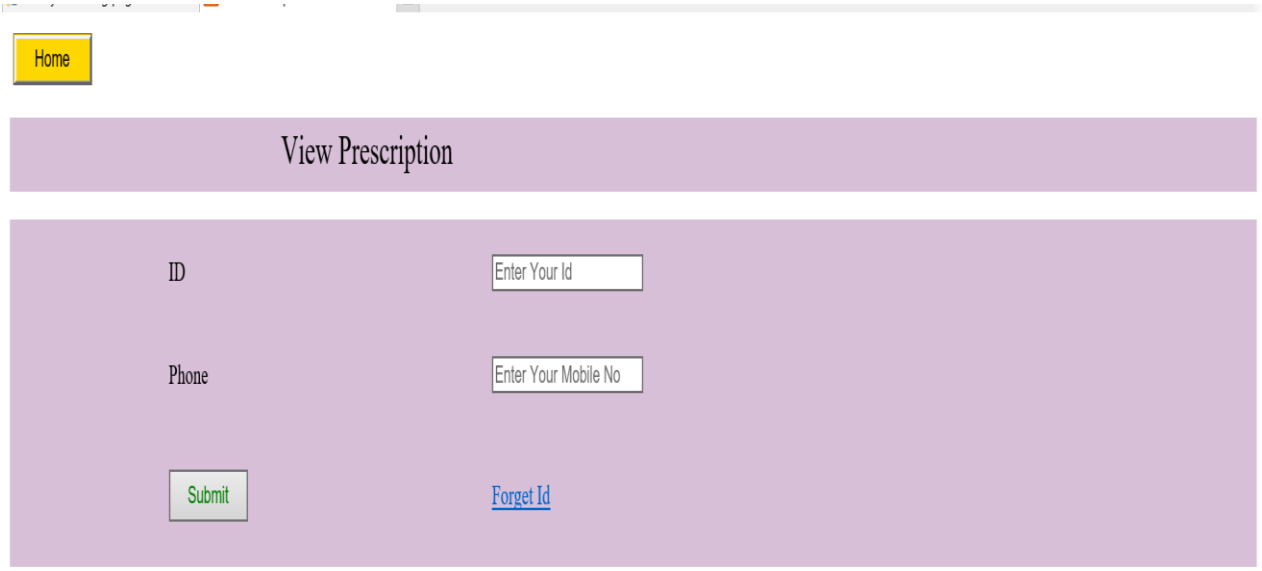


Use case Diagram for Stuff



User Interface:

Clicked on the button View Prescription*



Prescription view after patient's mobile verification

Patient's Information

Patient's Name:	Maksud
Patient's Age:	23
Gender:	Male
Problems:	mentally stressed

Medicines

Medicine Name	Eating Time	Days
Seclo	morning,Noon,Night,Before eating	8
Seclo	morning,Noon,Night,Before eating	16
napa	morning,Noon,Night,After eating	7

Tests	Suggestions
Blood test	no suggestion

Next Visit Date: 2019-12-24

Download PDF

Collect Report | Home

Collect Report of the patients by click on Collect Report* button and enter the patient's id

Patient's Information

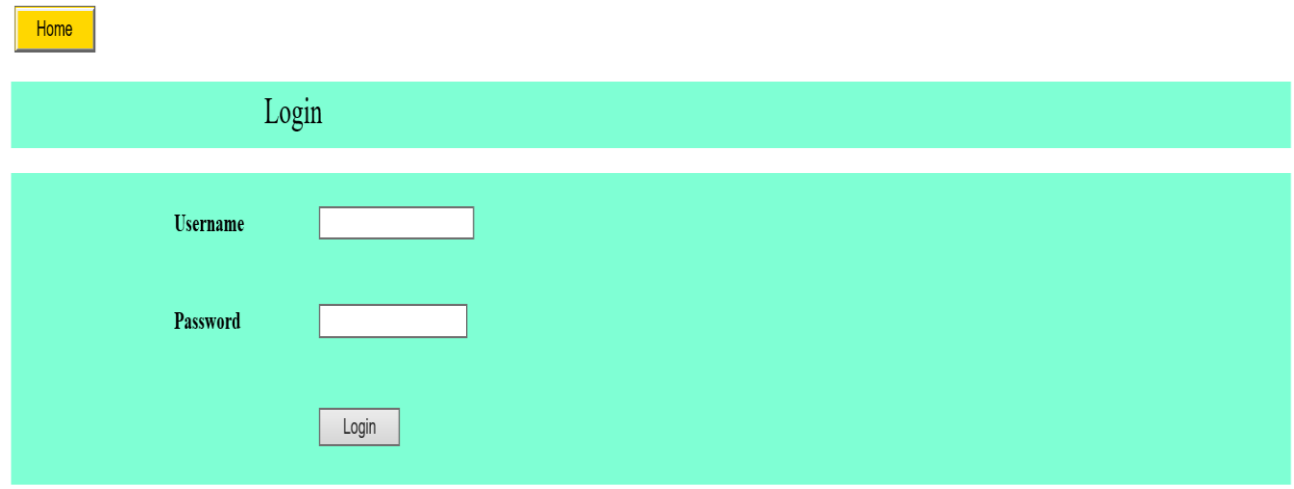
Patient's Name:	Maksud
Patient's Age:	23
Gender:	Male
Problems:	mentally stressed

Reports

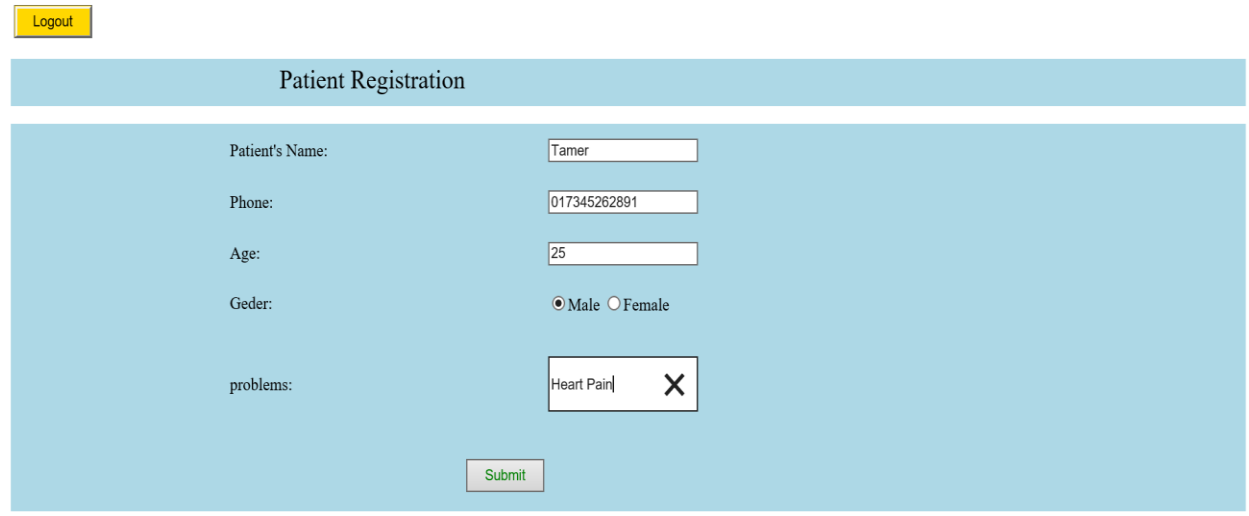
Report Id	Test Name	Published Date	
2	Urine Test	0001-11-11	Download
3	Blood Test	0001-11-11	Download

Home | Logout

Login for built in user Doctor, Lab stuff, and Counter stuff



Login as a Counter stuff and register new patients



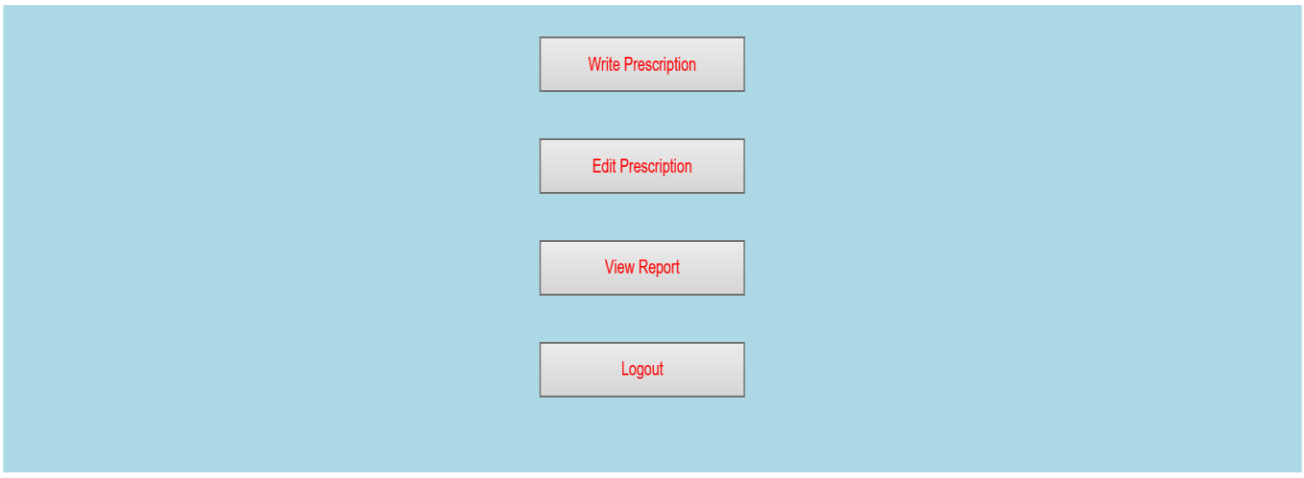
Successfully created patient's account

Patient's Information

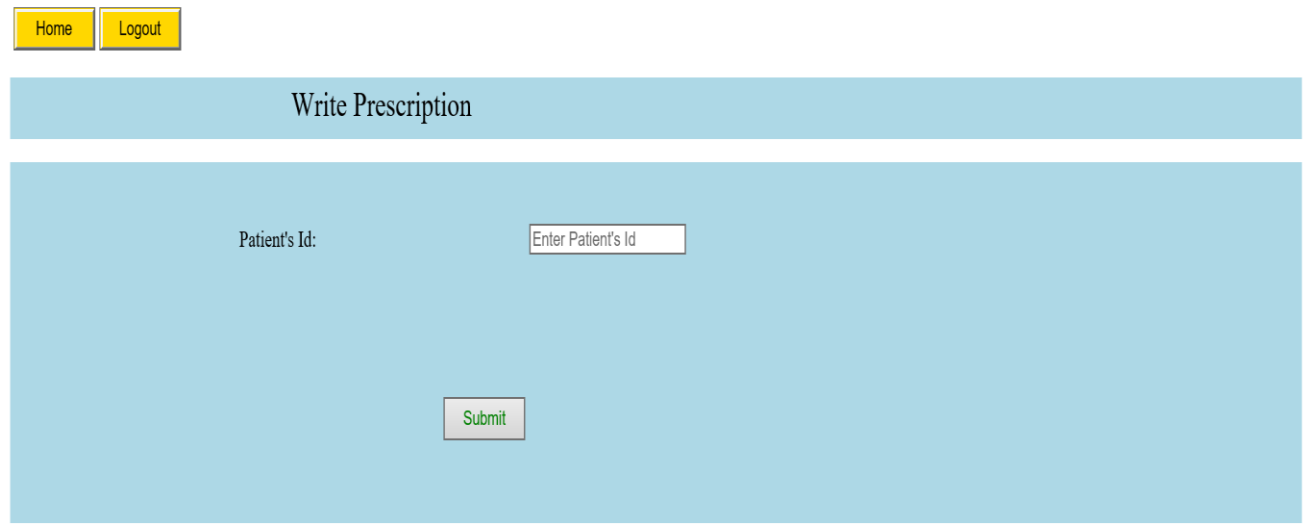
Patient's Id:	20
Patient's Name:	Tamer
Patient's Age:	25
Gender:	Male
Problems:	Heart pain

Go back

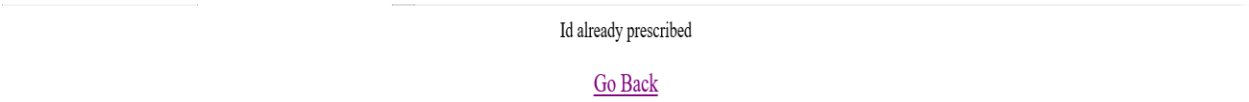
After login as a doctor



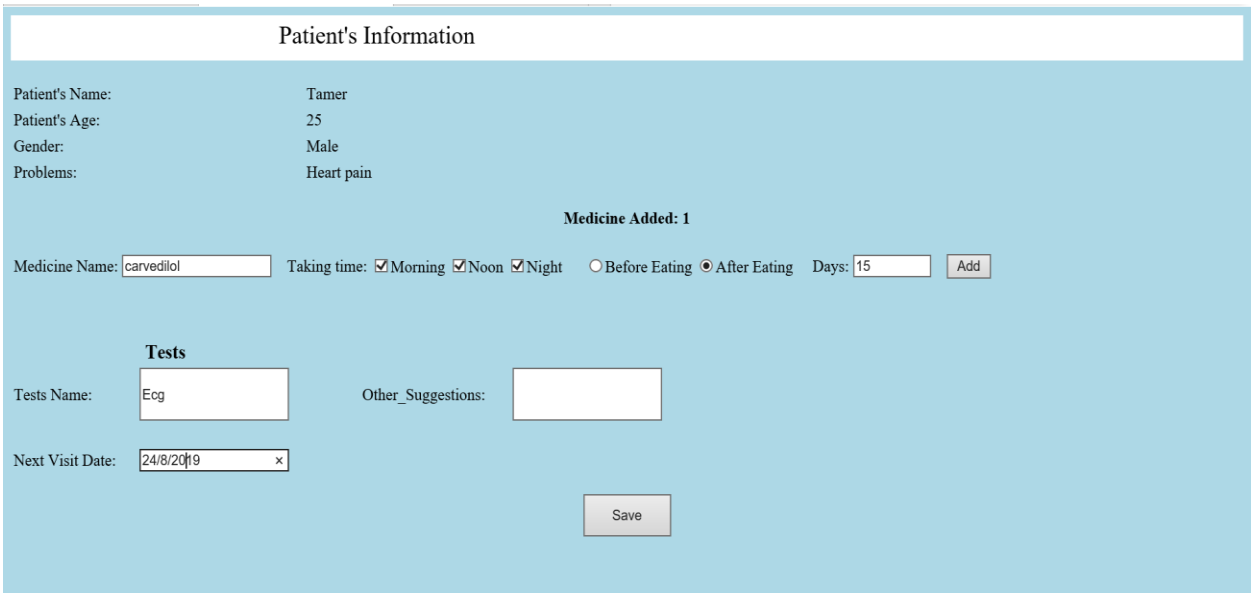
Clicked on Write Prescription*



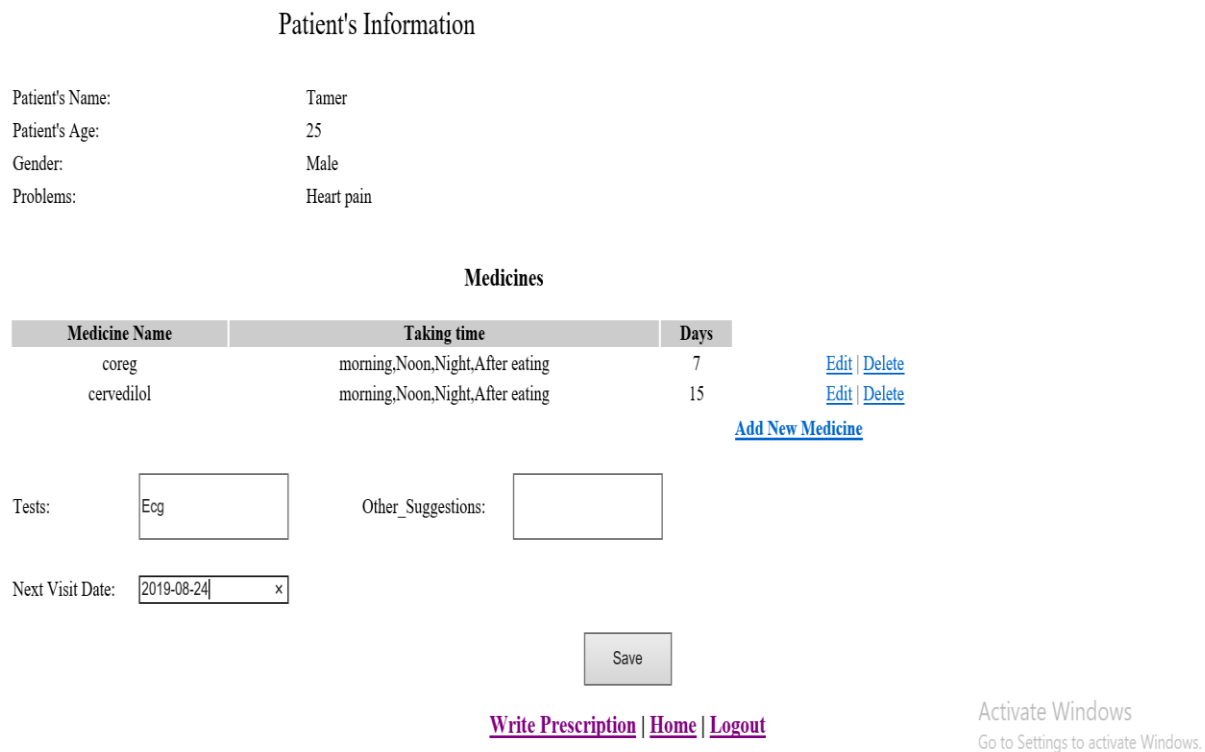
If you enter an already prescribed id



Suggest medicine and tests for patients



Clicked on Edit Prescription*



Patient's Information

Patient's Name:	Tamer
Patient's Age:	25
Gender:	Male
Problems:	Heart pain

Medicines

Medicine Name	Taking time	Days	
coreg	morning,Noon,Night,After eating	7	Edit | Delete
cervedilol	morning,Noon,Night,After eating	15	Edit | Delete

Add New Medicine

Tests: Ecg

Other_Suggestions:

Next Visit Date: 2019-08-24

Save

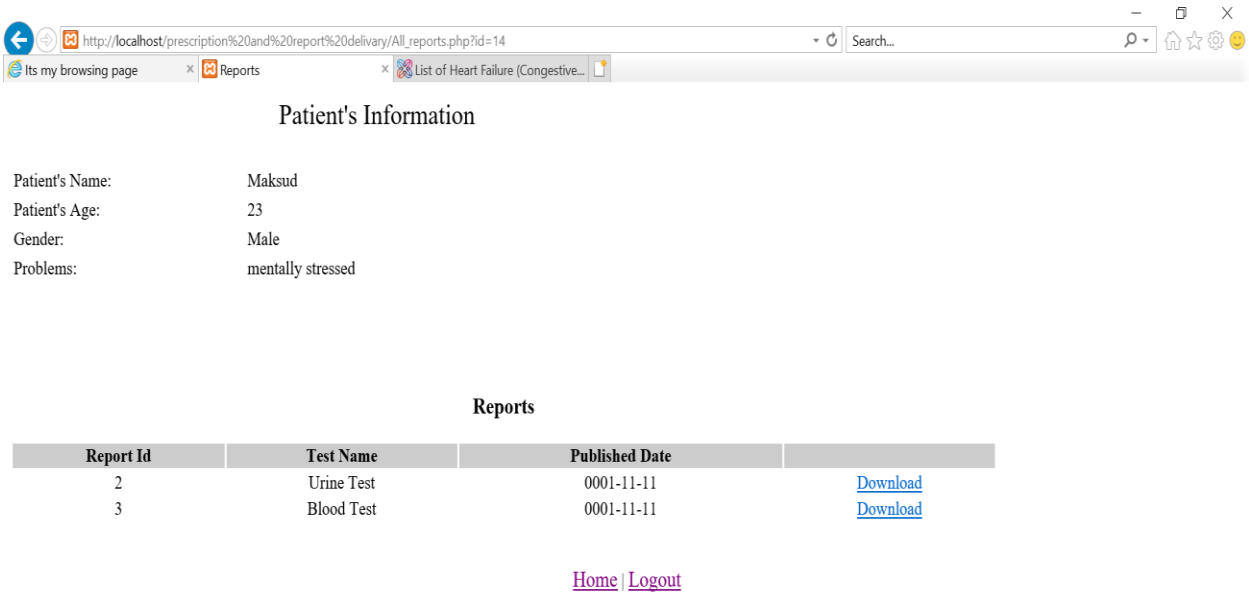
Write Prescription | Home | Logout

Activate Windows
Go to Settings to activate Windows.

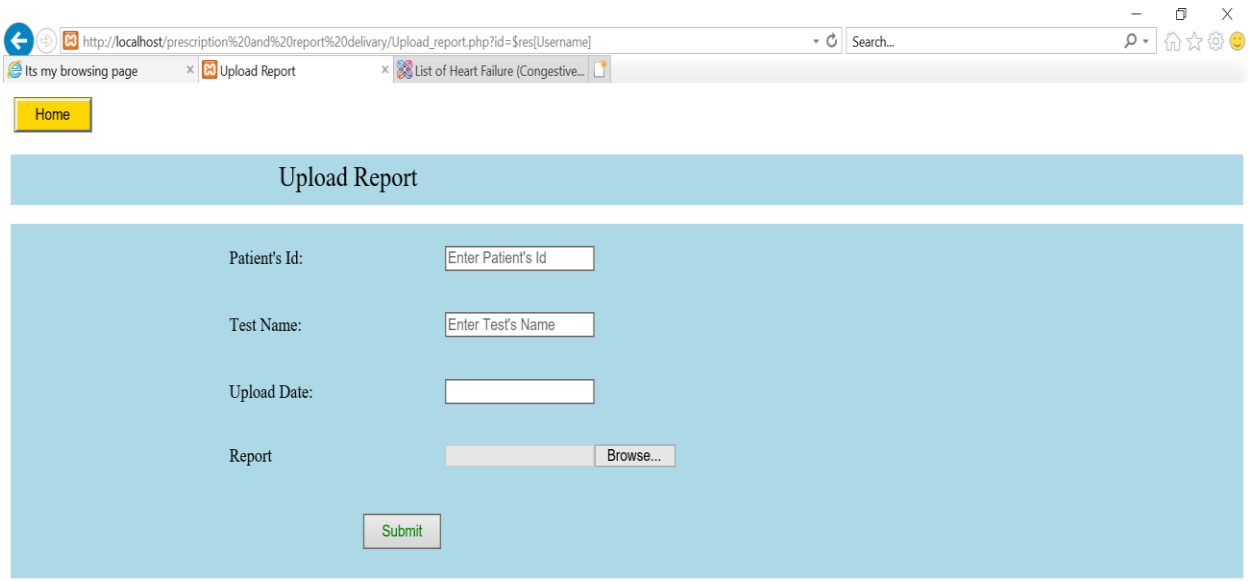
Edit medicine

Add new medicine

View report from doctor panel



Upload report after login as a lab staff


http://localhost/prescription%20and%20report%20delivary/Upload_report.php?id=$res[Username]
Search...
Its my browsing page
Upload Report
List of Heart Failure (Congestive...
Home
Upload Report
Patient's Id:
Enter Patient's Id
Test Name:
Enter Test's Name
Upload Date:
Report
Browse...
Submit