



# **THE UNIVERSITY OF LAHORE**

## **Assignment No. 2**

### **Submitted By:**

**NAME:**

TAHA TANVIR

M. AHSAN JAVED

M. MUZAMMIL

**SUBJECT:**

SOFTWARE DESIGN AND ARCHITECTURE

**PROGRAM:**

BS SOFTWARE ENGINEERING

### **Submitted To:**

**MR. ABDUL WAHAB**

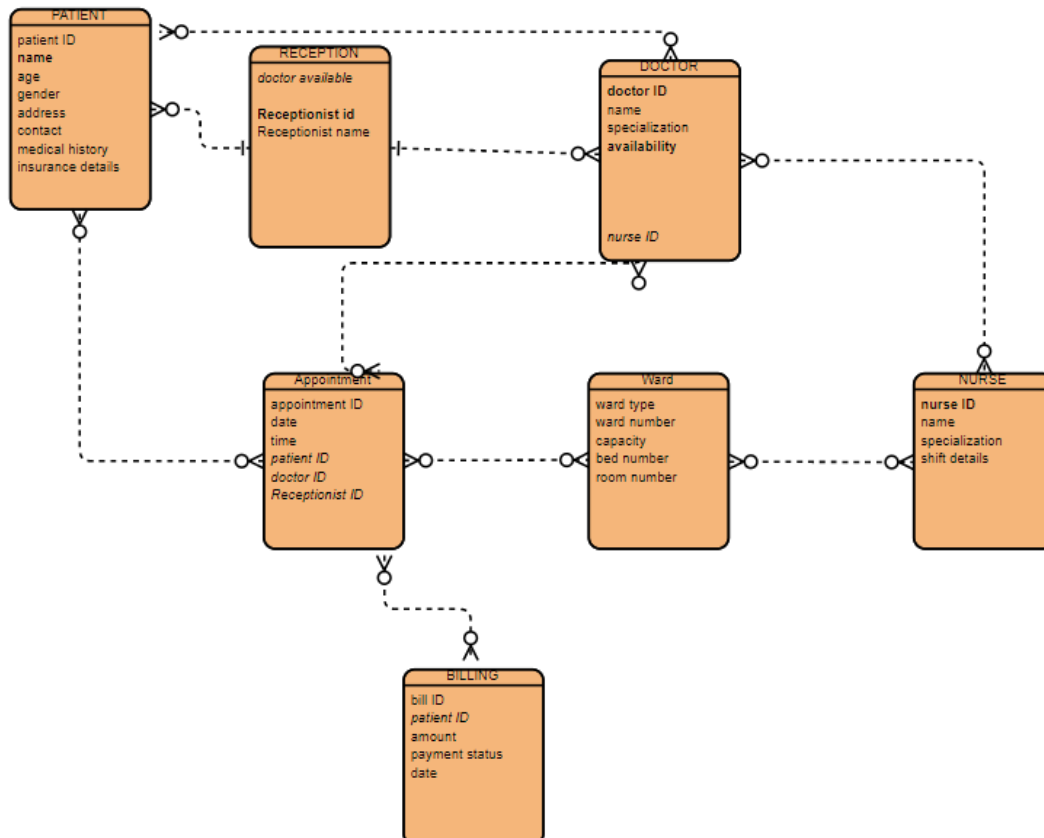
**Date: 6-12-2023**

# SOFTWARE DESIGN AND ARCHITECTURE

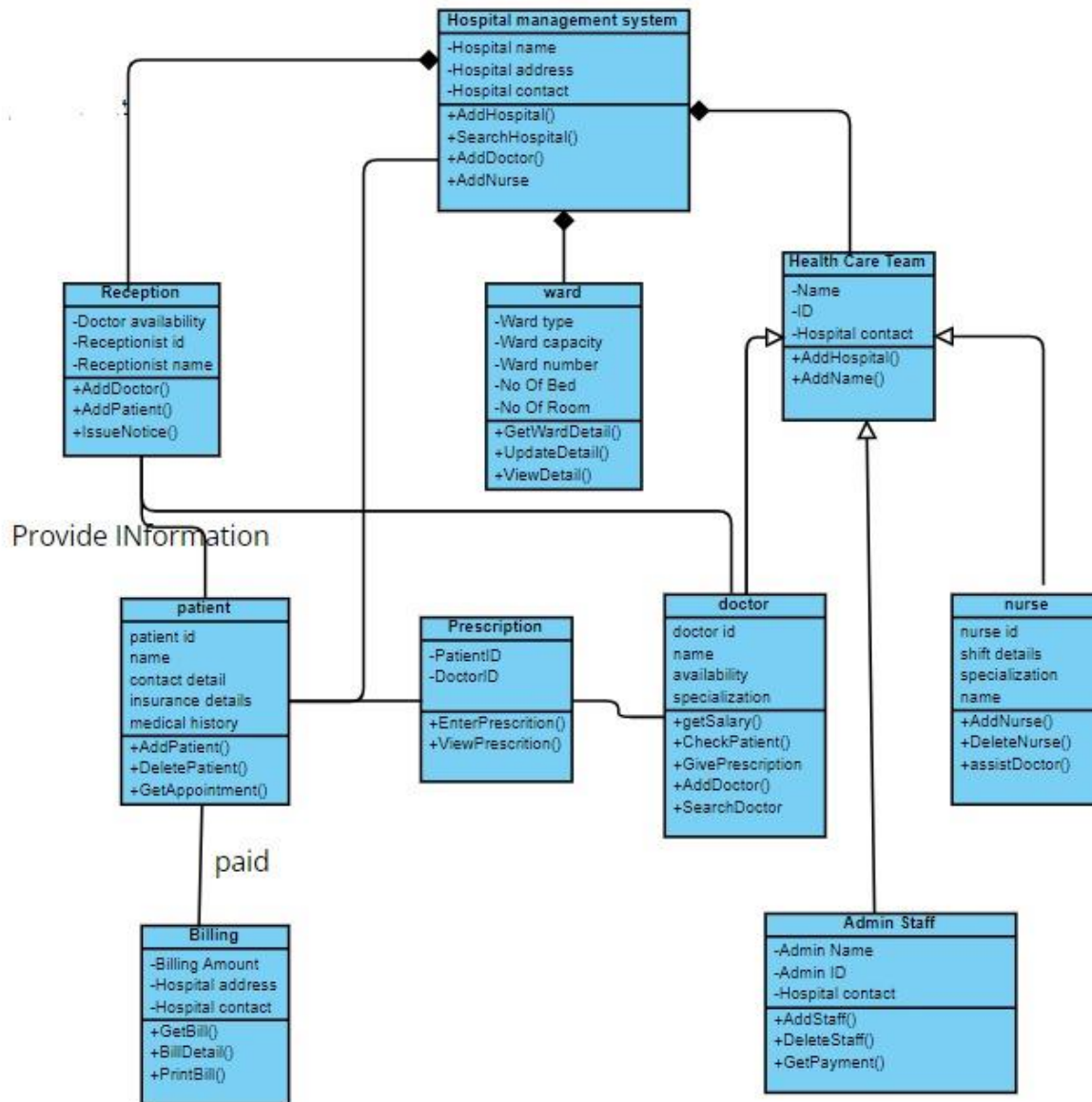
## ASSIGNMENT NO.2

Title: Healthcare Application

Entity Relationship Diagram:

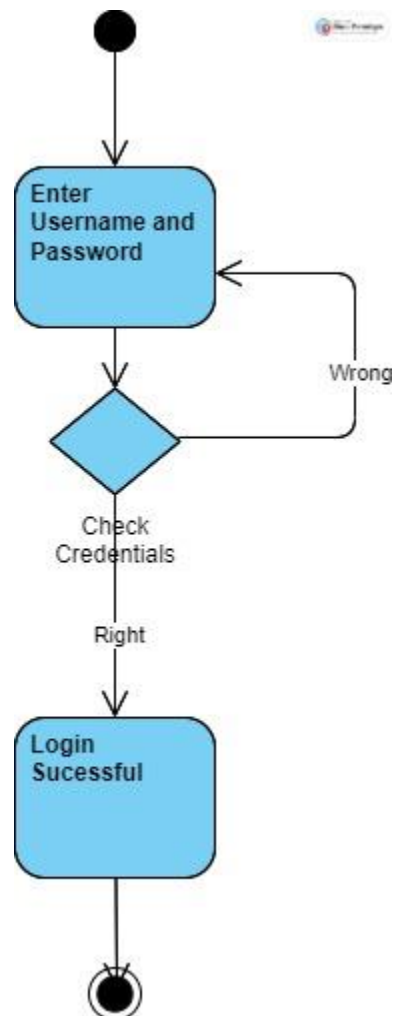


## Class Diagram:

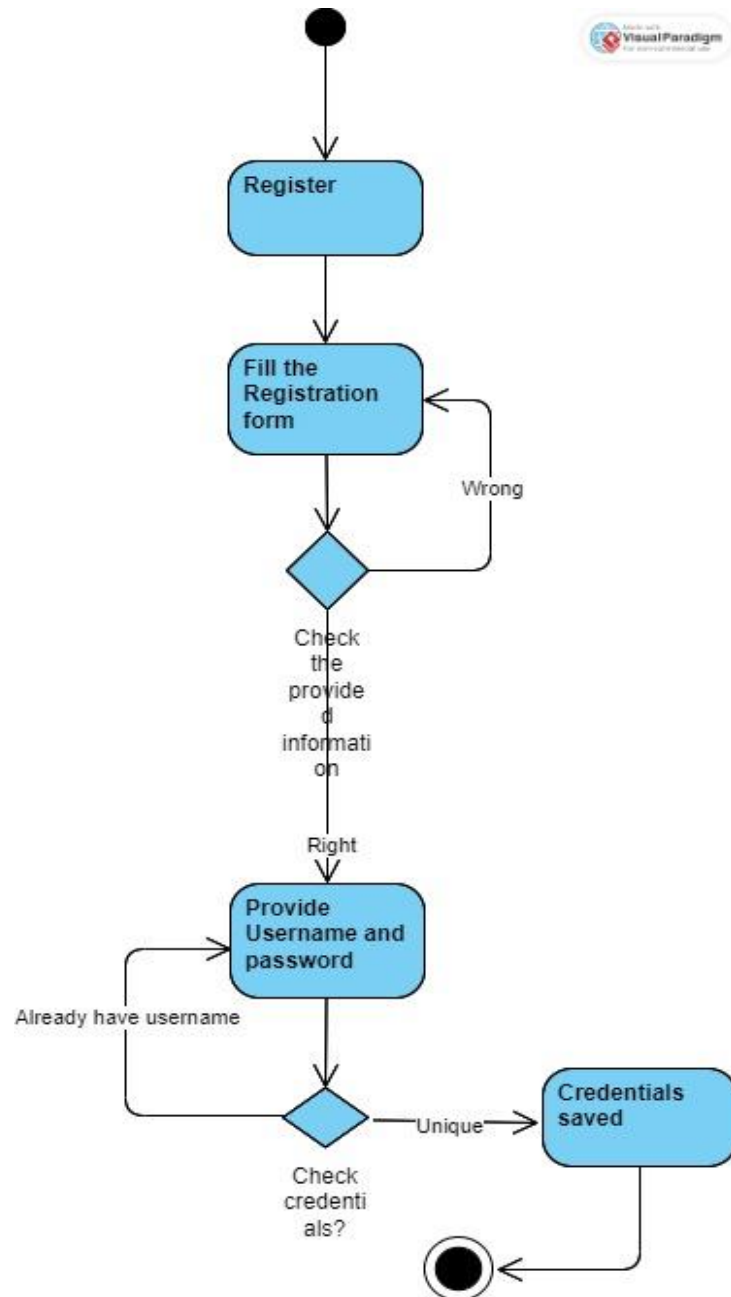


## Activity Diagram:

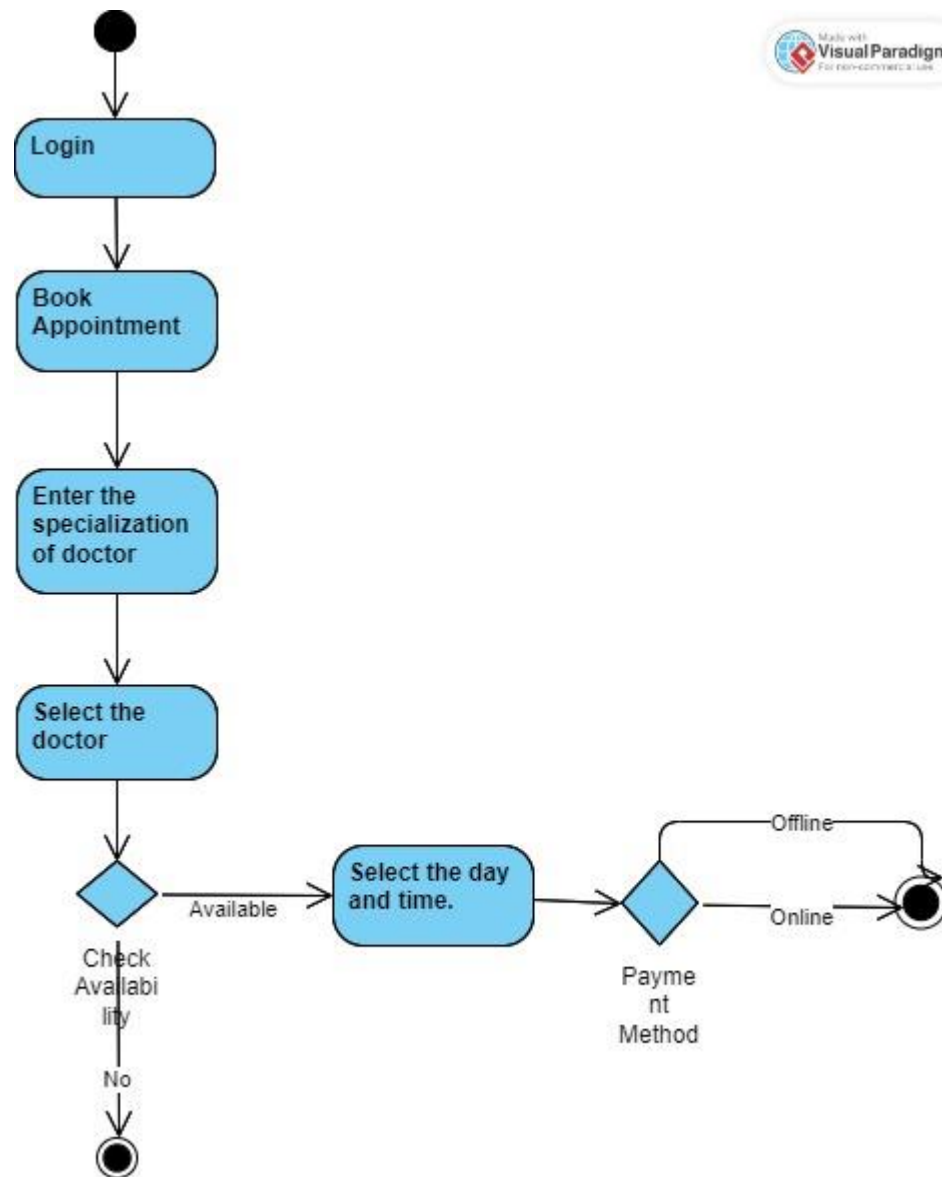
### Login:



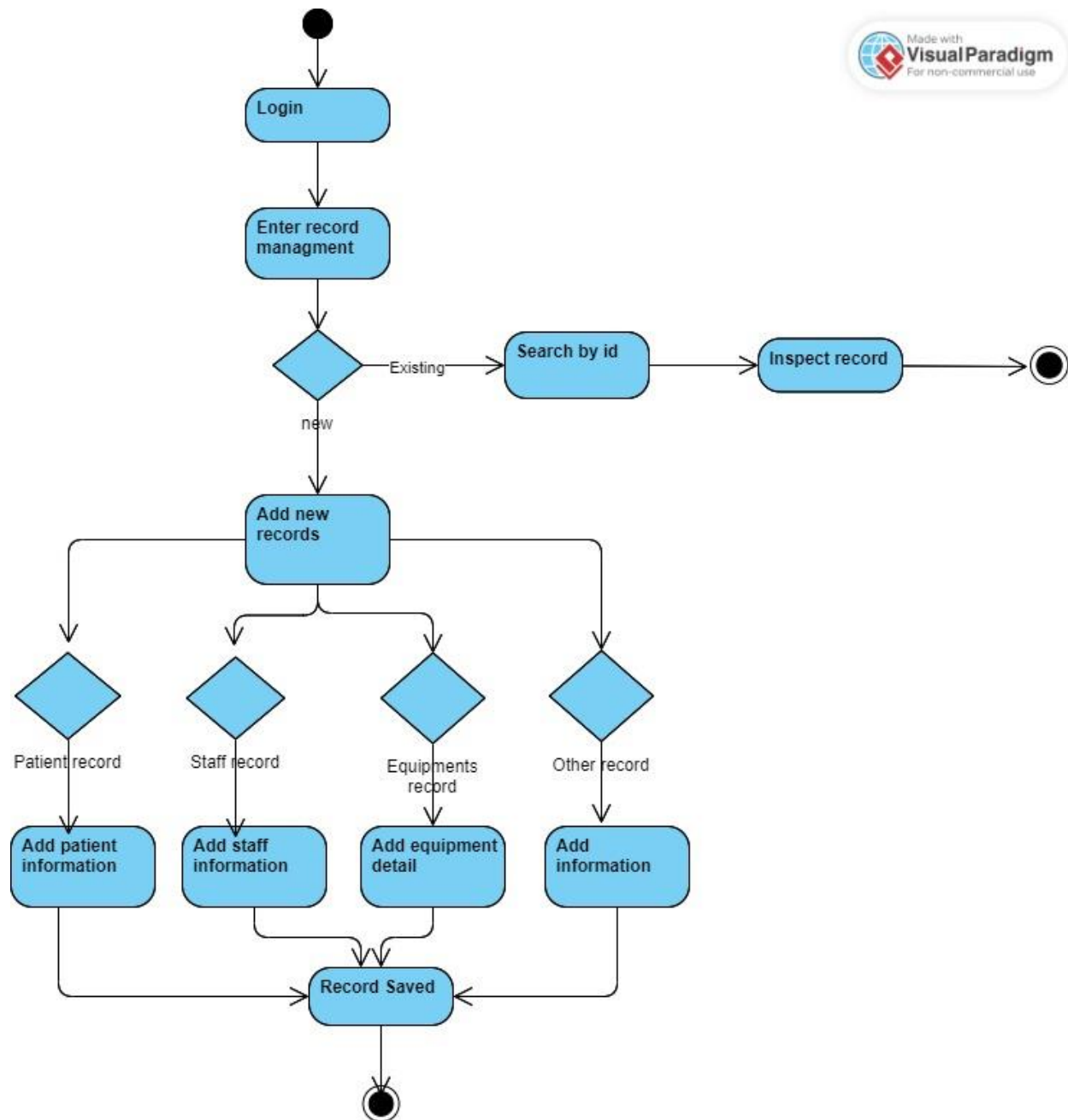
## Registration:



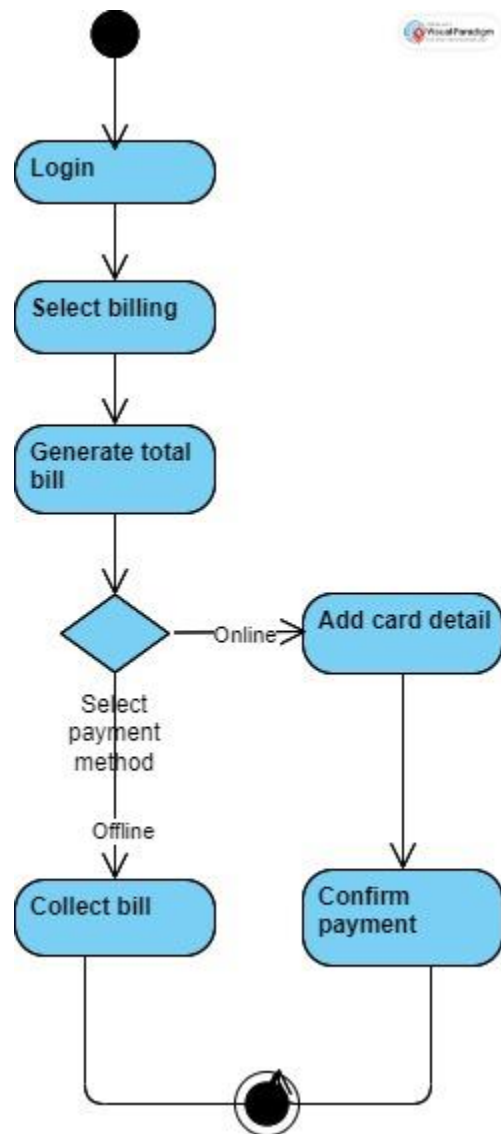
## Book Appointment:



## Record Management:

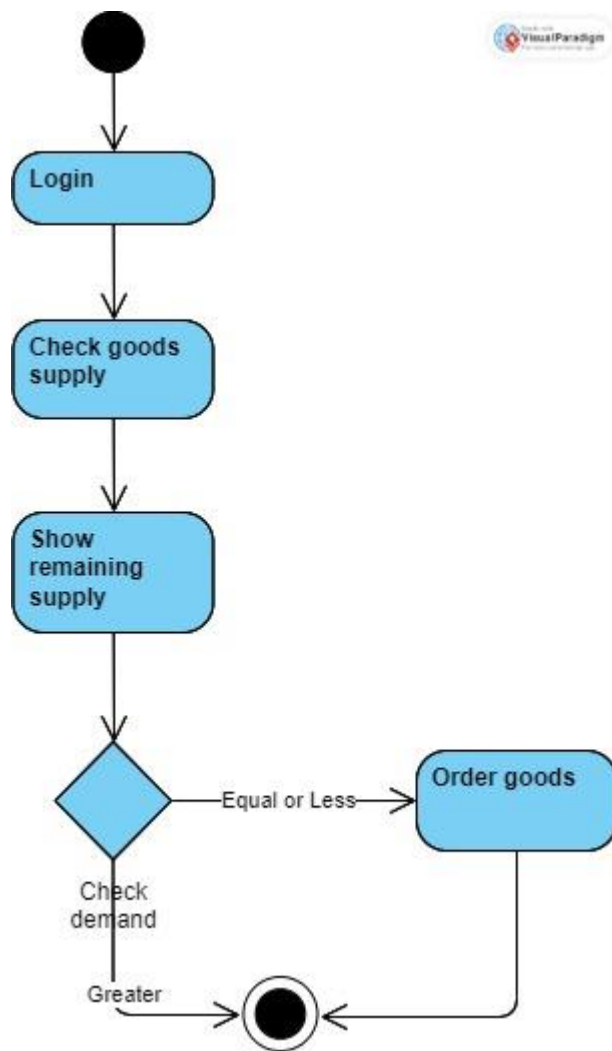


## Billing and Payment:

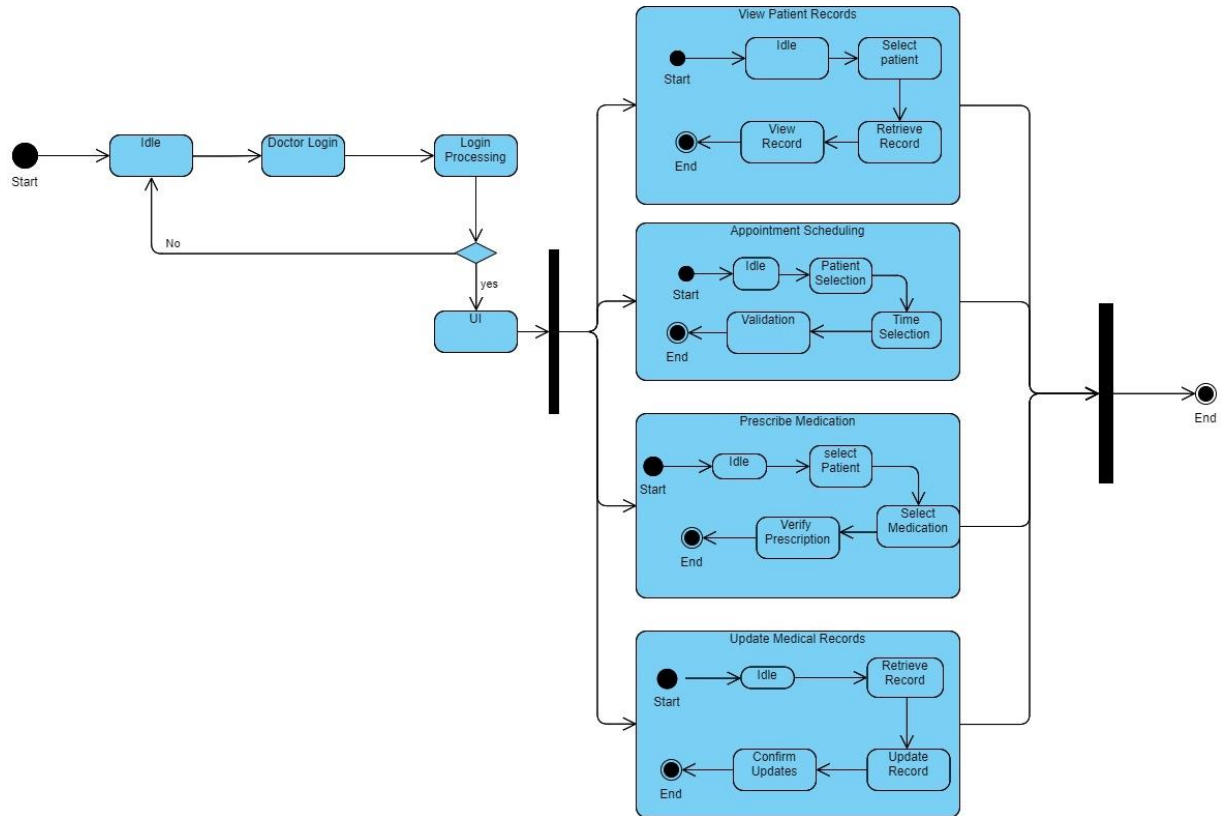




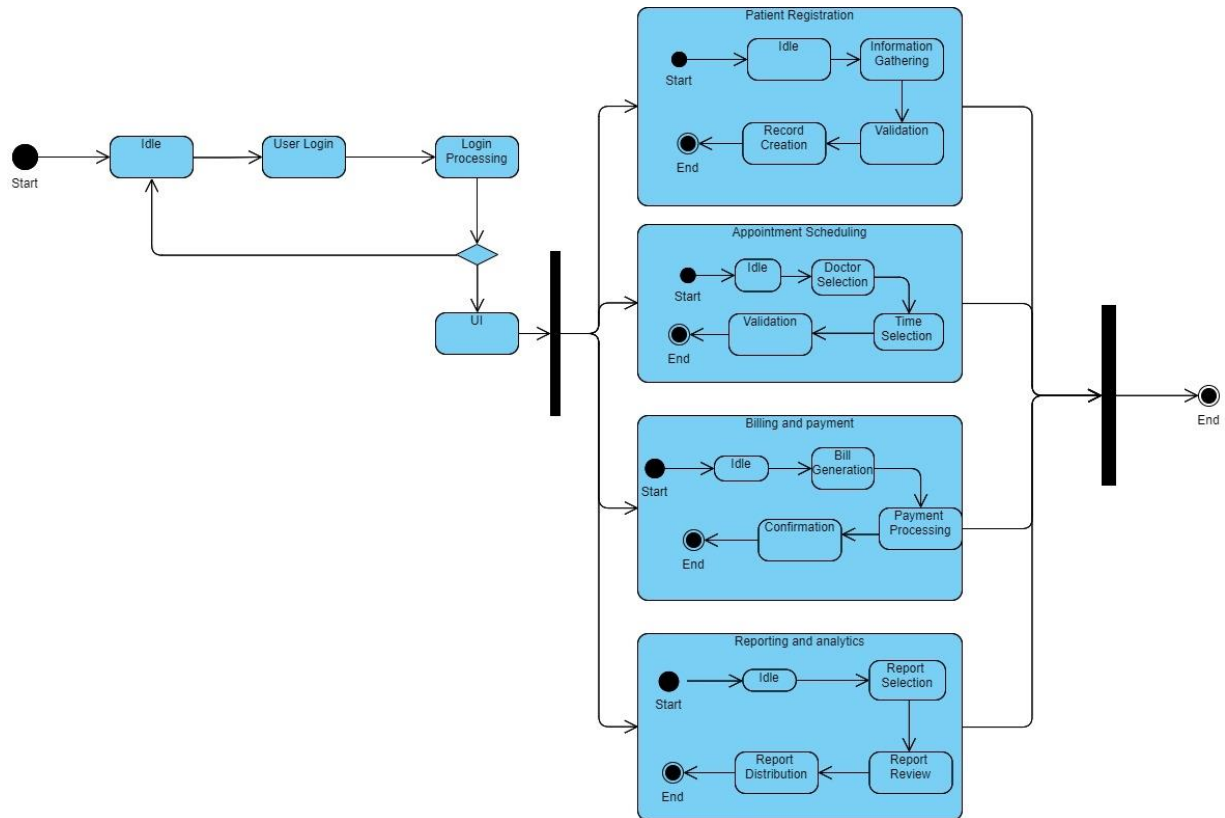
## Inventory Management:



## Patient's State Machine Diagram:



## Doctor's State Machine Diagram:



## System's State Transition Diagram:

