



# Pharmacy Management System

**Project *By***

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**Submitted To:**

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## Objectives:

- ❖ **Prescription & Order Management:** To create a system that allows pharmacists to efficiently manage prescriptions and Orders.
- ❖ **Accurate Medication Stock Control:** To ensure that medication is always available when needed, develop a system that accurately tracks and manages medicine stock levels.
- ❖ **User Profile Management:** System has User profiles management where each User can easily Update their profiles but each user has limited access over system according to their roles.
- ❖ **Access Control and Security:** To implement robust access control and security features to protect sensitive patient and pharmacy data.
- ❖ **Enhanced User Experience:** To create a user interface that is intuitive and user-friendly, minimizing the learning curve for both pharmacists and administrators.



## Scope:

- ❖ The User of this System is being able to manage all the necessary activities of Pharmacy. This System is Handling all aspects where it allows Pharmacist to Manage Available Stock of medicines as well as Orders.

### **Pharmacy Management System Covered the following areas.**

- ✚ Medicines Management
- ✚ Stock Management
- ✚ Employees Management
- ✚ Prescription Management
- ✚ System Users Management





# Software Tools:

## Tools & Languages:

- Visual Studio 2022
- C# with .NET Framework (Front-end & Back-end)
- SQL Server (For DB)





# System Diagrams:

📌 Entity Relationship Diagram

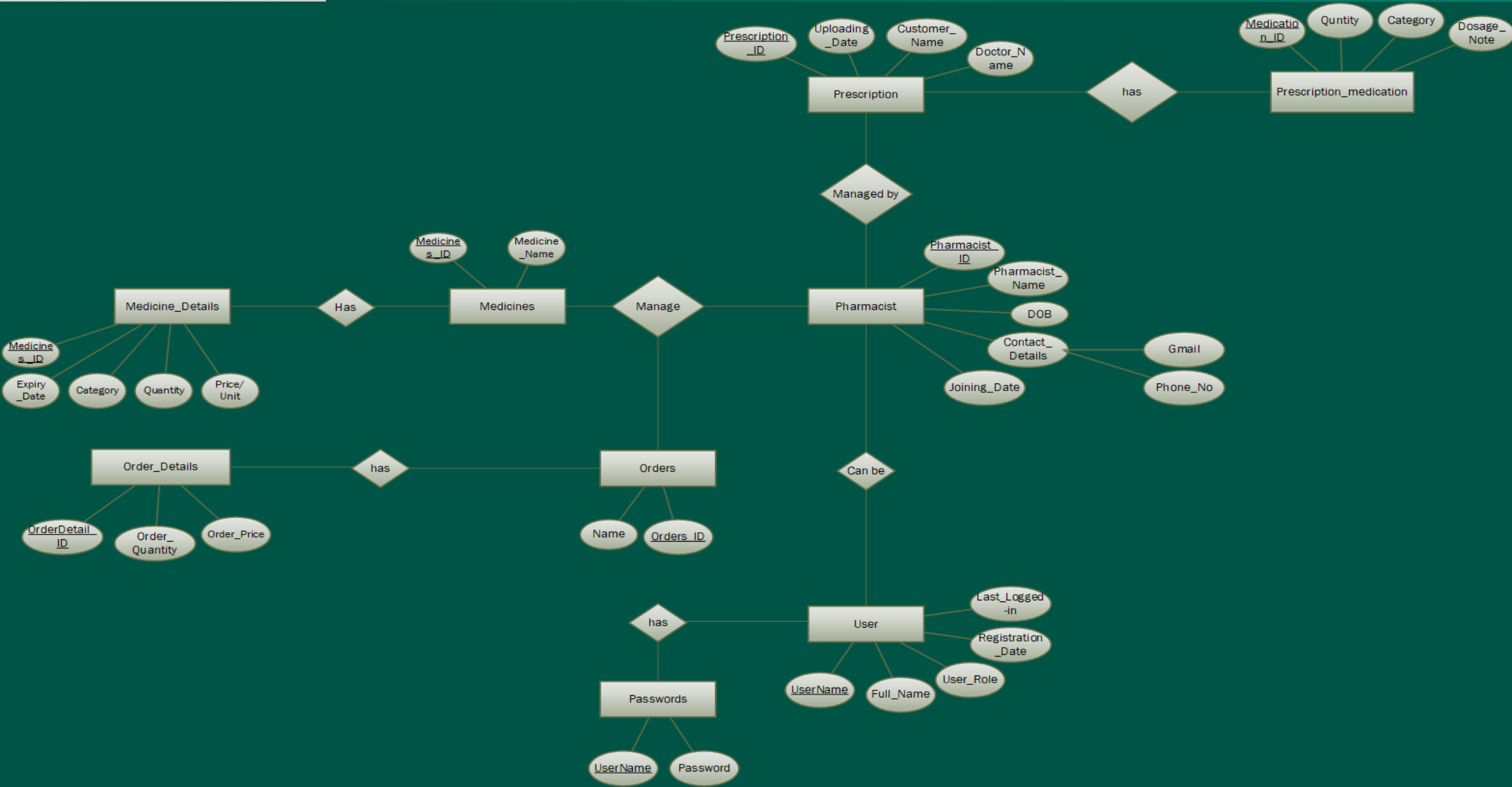
📌 Use Case Diagram

📌 Activity Diagram

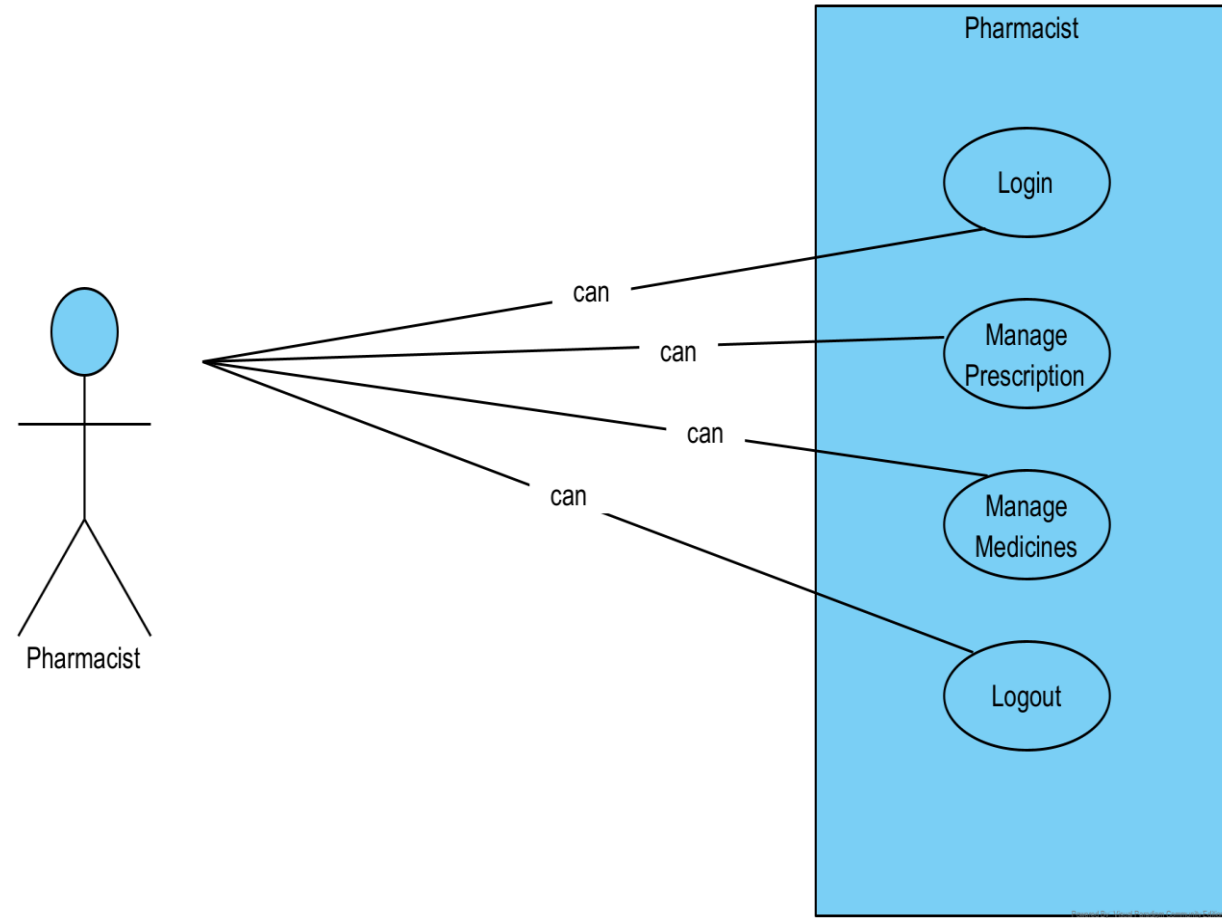
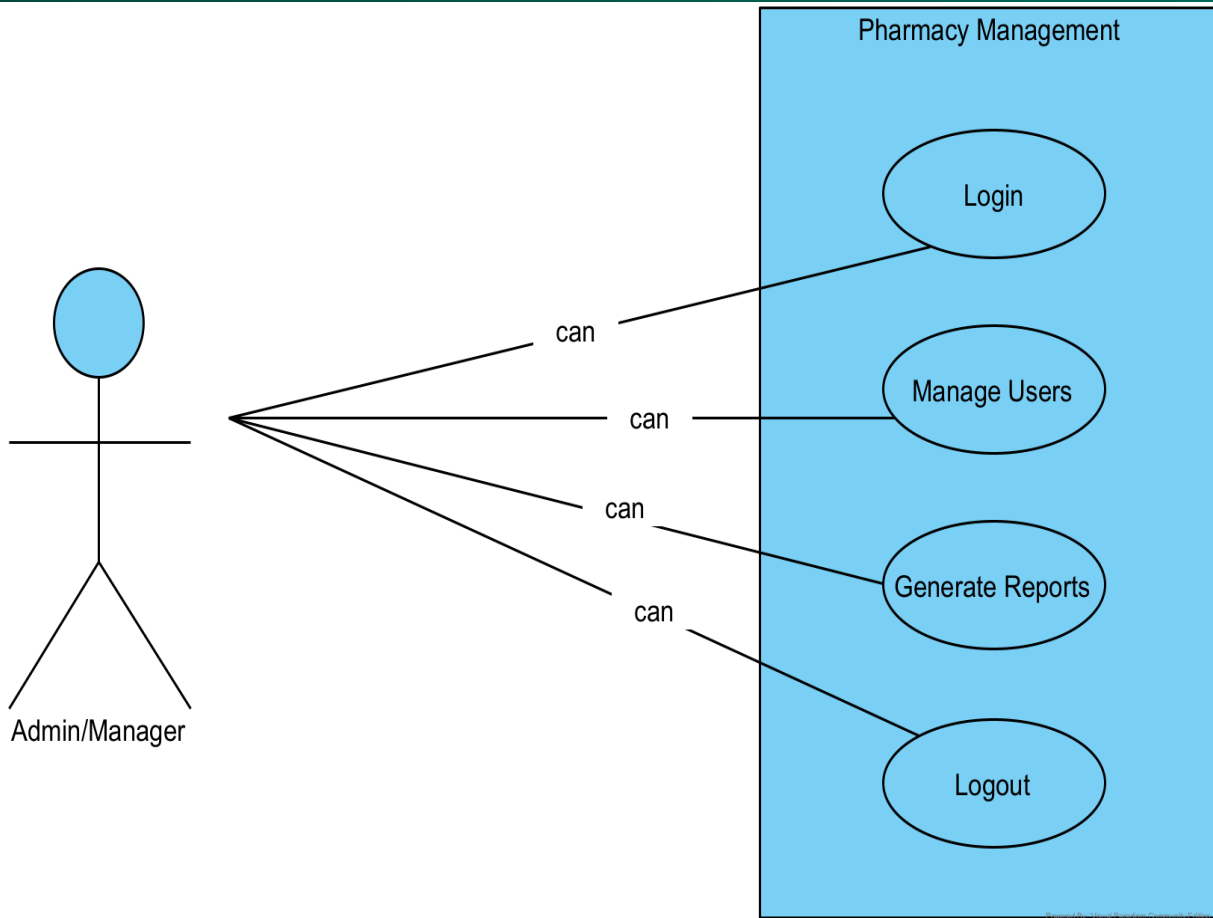
📌 Swimlane Diagram



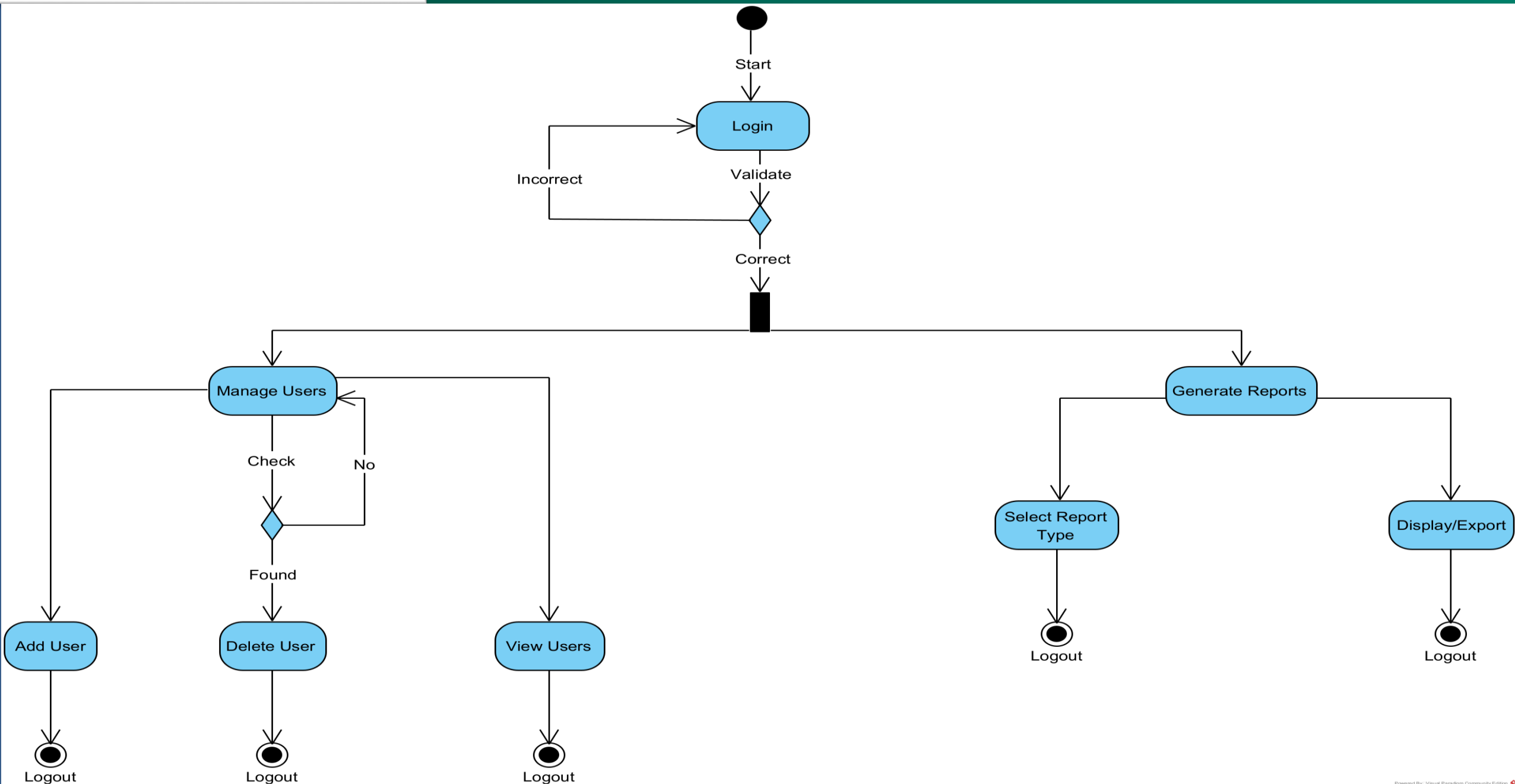
# ER Diagram:



# Use Case Diagram:

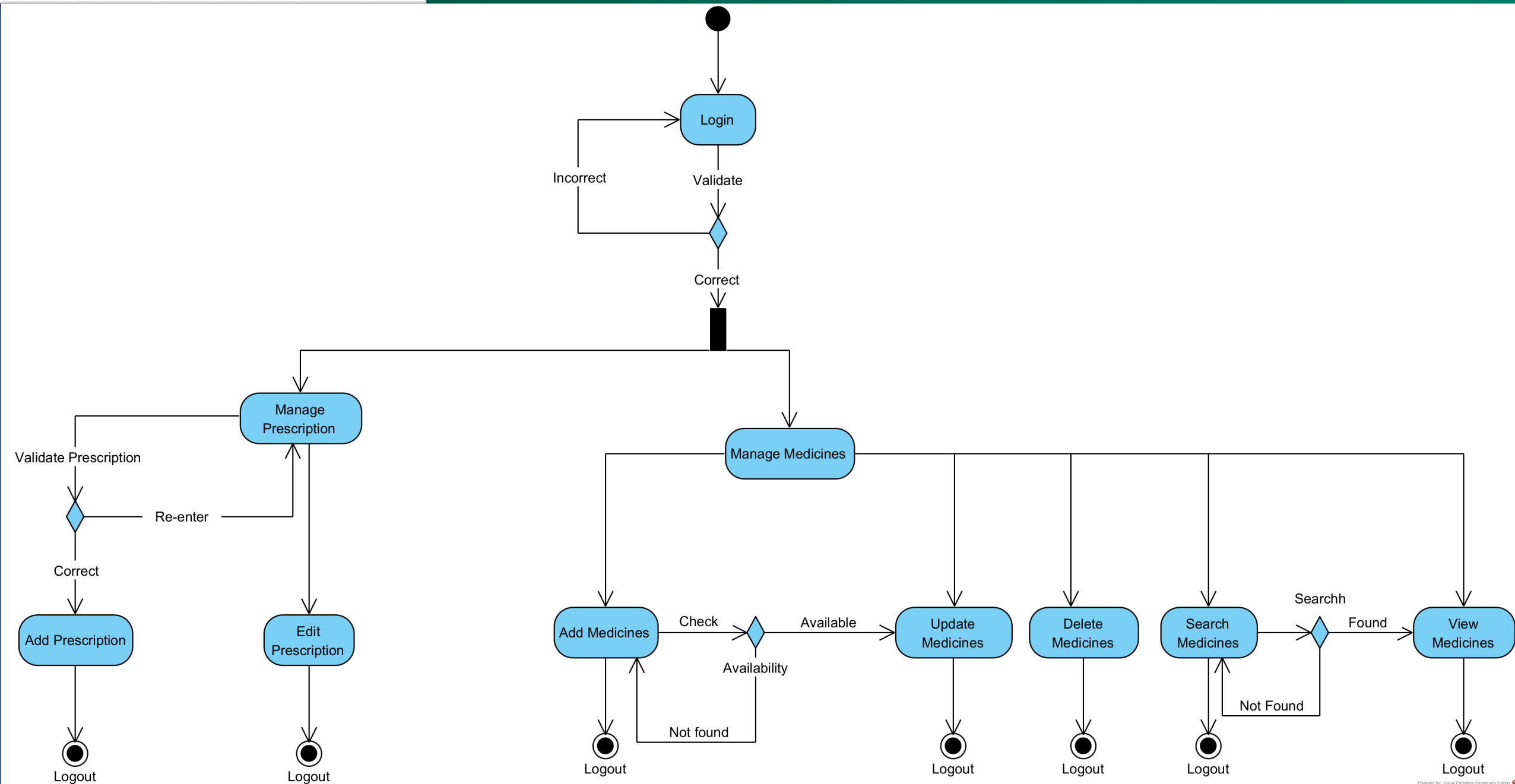


# Activity Diagram (Manage Users):

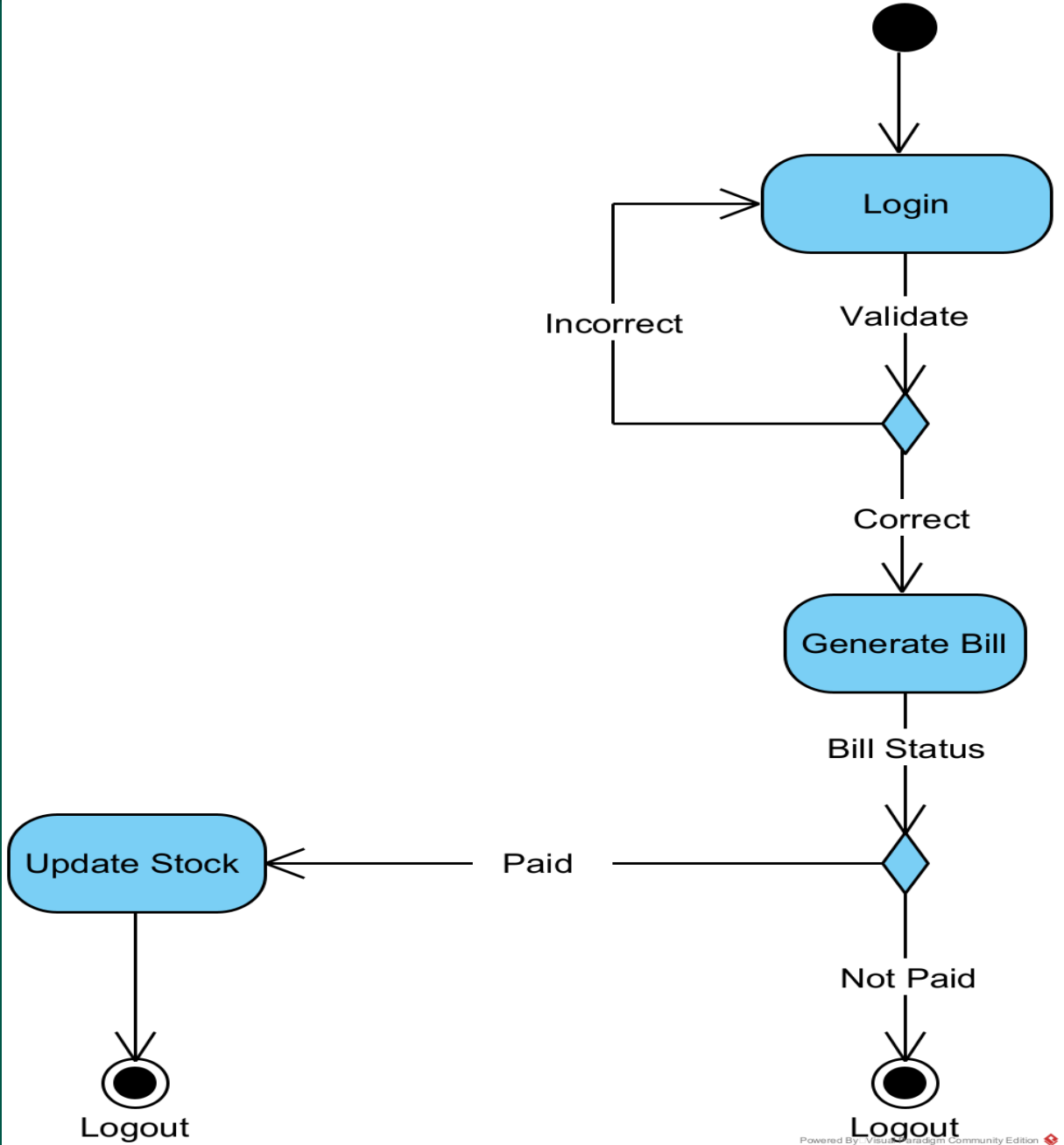




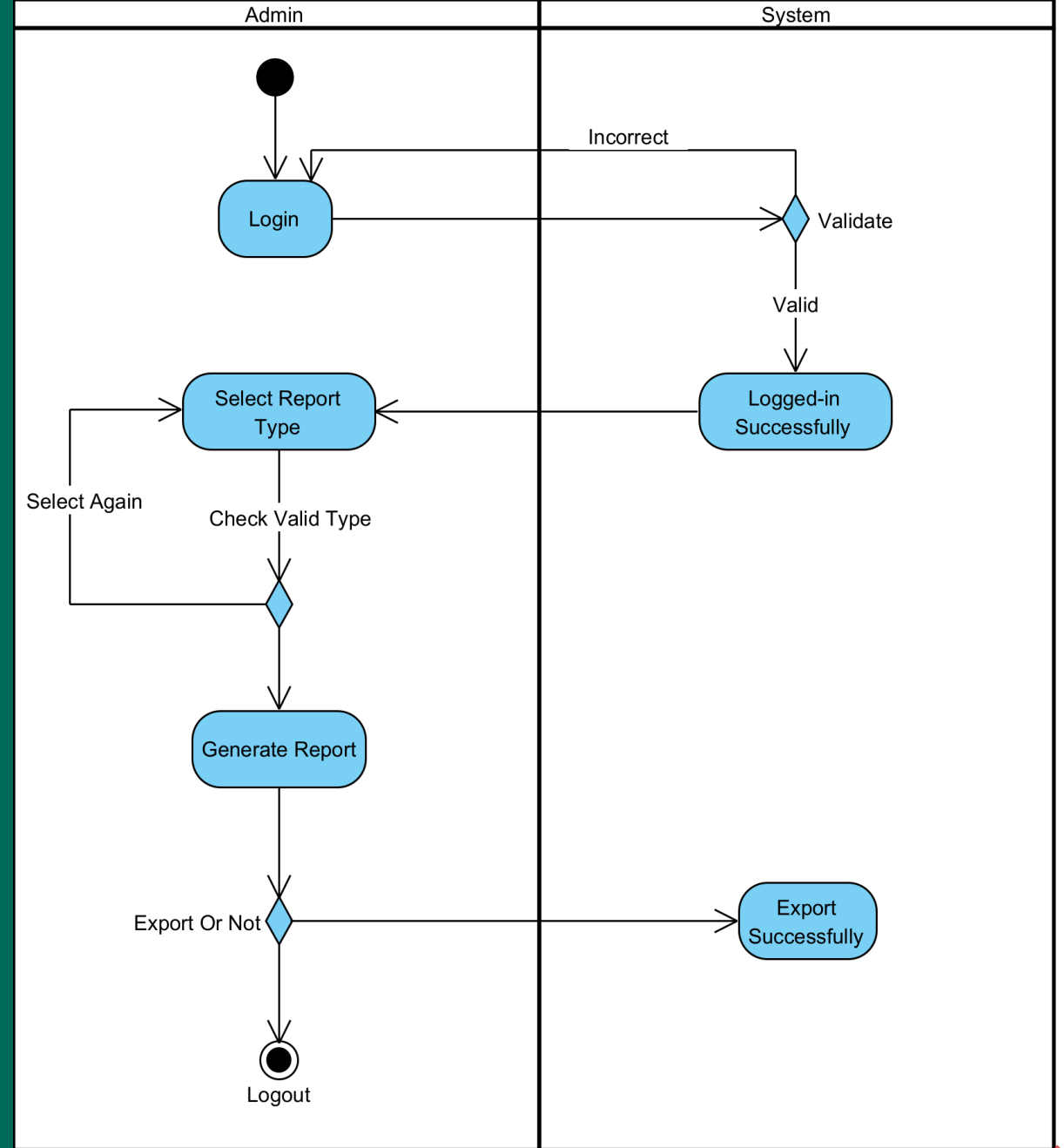
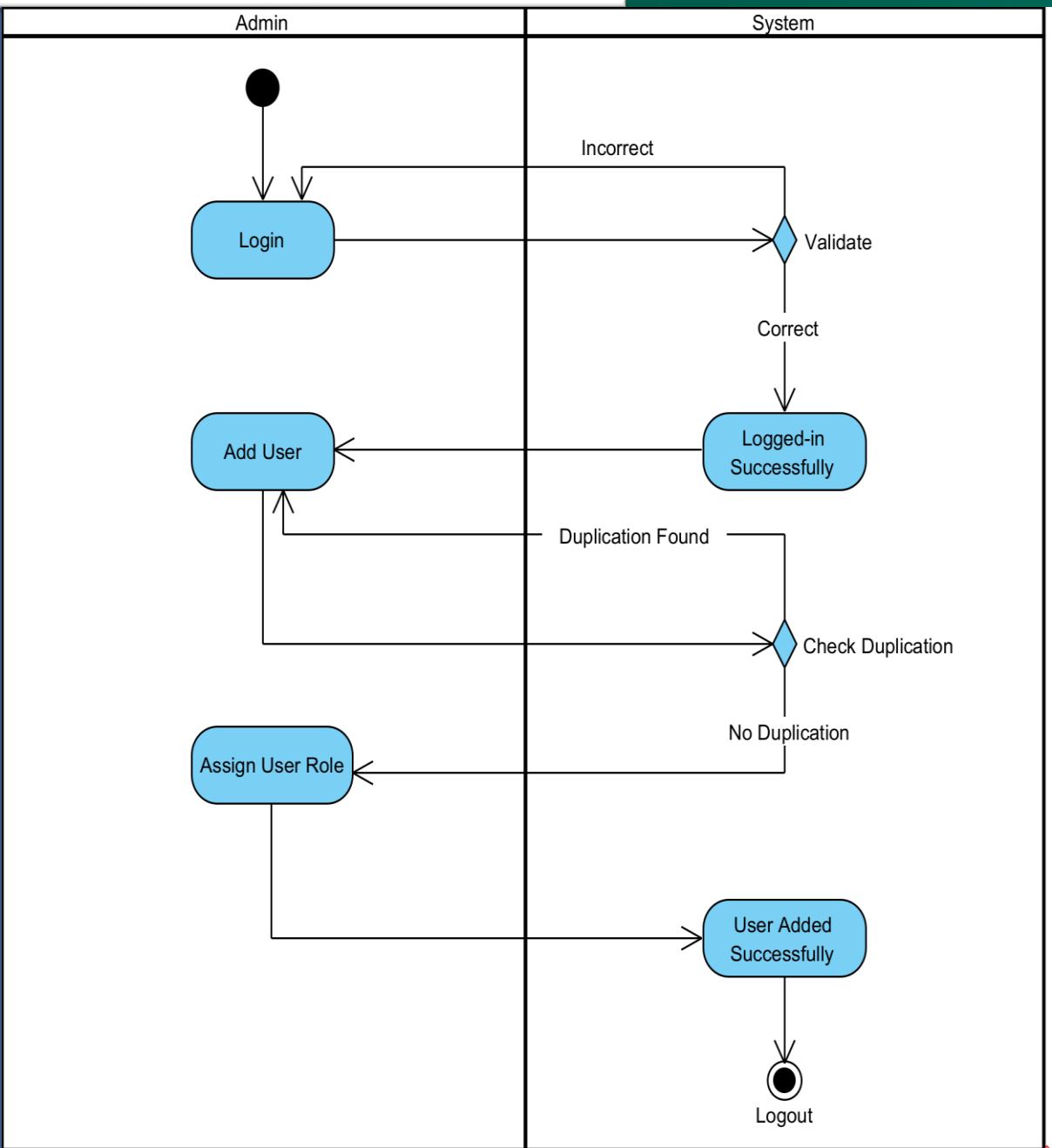
# Activity Diagram (Manage Prescription & Medicines):



# Activity Diagram (Orders & Billing):



# Swimlane Diagram (Manage Users and Reports):



# Swimlane Diagram (Prescription):

