Group Project Documentation   
Basic Cross-Platform Application Programming with .NET

*Hospital Management*

**Prepared by Group 9**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| *Van Vo* | *01 January 2022* | *Initial draft* | *1.0 draft 1* |
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|  |  |  |  |

# Project Introduction

## Product Perspective

This project is a software application that helps registered patients make appointments and helps hospitals manage their daily activities, including patient appointments and doctor scheduling.

The project is built using WinForms, which provides an intuitive interface for patients to book appointments online and allows doctors to manage and confirm appointments from their end. Patients can search for available time slots and book appointments with their preferred doctors.

This project also includes features for managing patient records, medical histories, and billing information from the hospital pharmaceutical medicine storage.

## User Classes and Characteristics

**End Users:**

End users are the individuals who directly use the software application. They can be patients, doctors, or other hospital staff. End users require a user-friendly interface that is easy to navigate and understand. They also expect the software to be reliable, fast, and responsive.

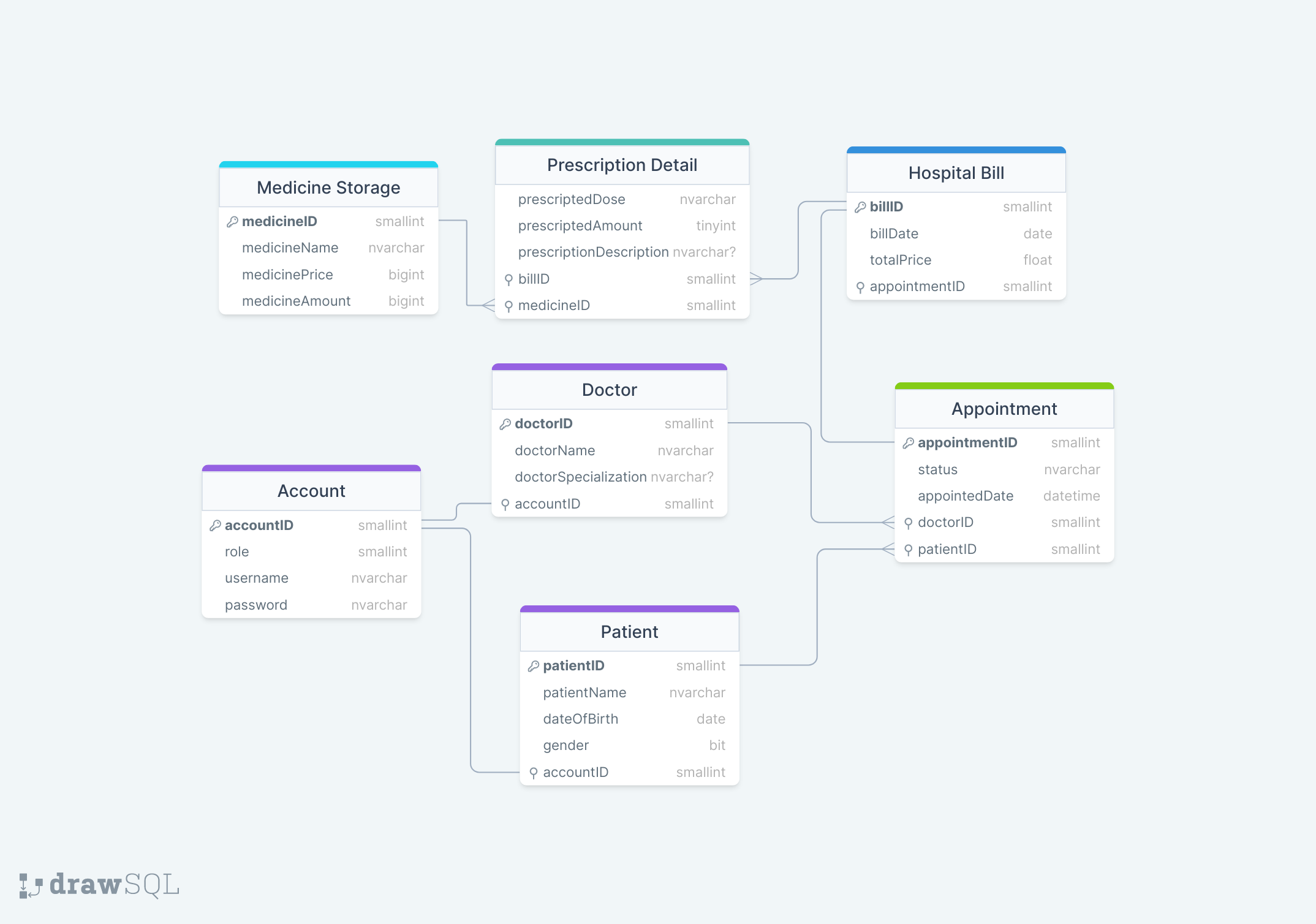
**System Administrators:**

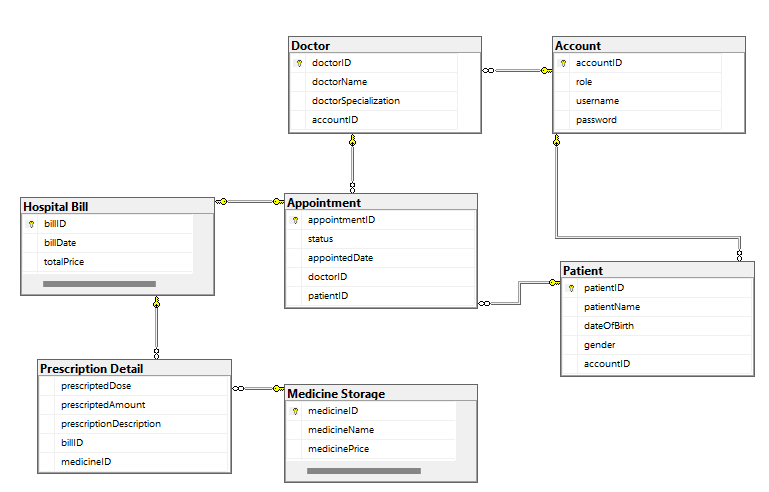
System administrators are responsible for managing the software application. They require access to system settings, configurations, and logs. System administrators are usually technically skilled and require a powerful set of tools to manage the application effectively.

**Developers:**

Developers are responsible for designing, building, and maintaining the software application. They require access to the application's source code, documentation, and development tools. Developers require a powerful and flexible development environment that can support their workflow*.*

# Database Design





# System Architecture

**Programming language:** *C#, .NET 6*

**IDE*:*** *Visual Studio 2022*

**GUI:** *Win Forms*

**Database:** *SQL Server 2019*

# Implementation

## Deployment Considerations

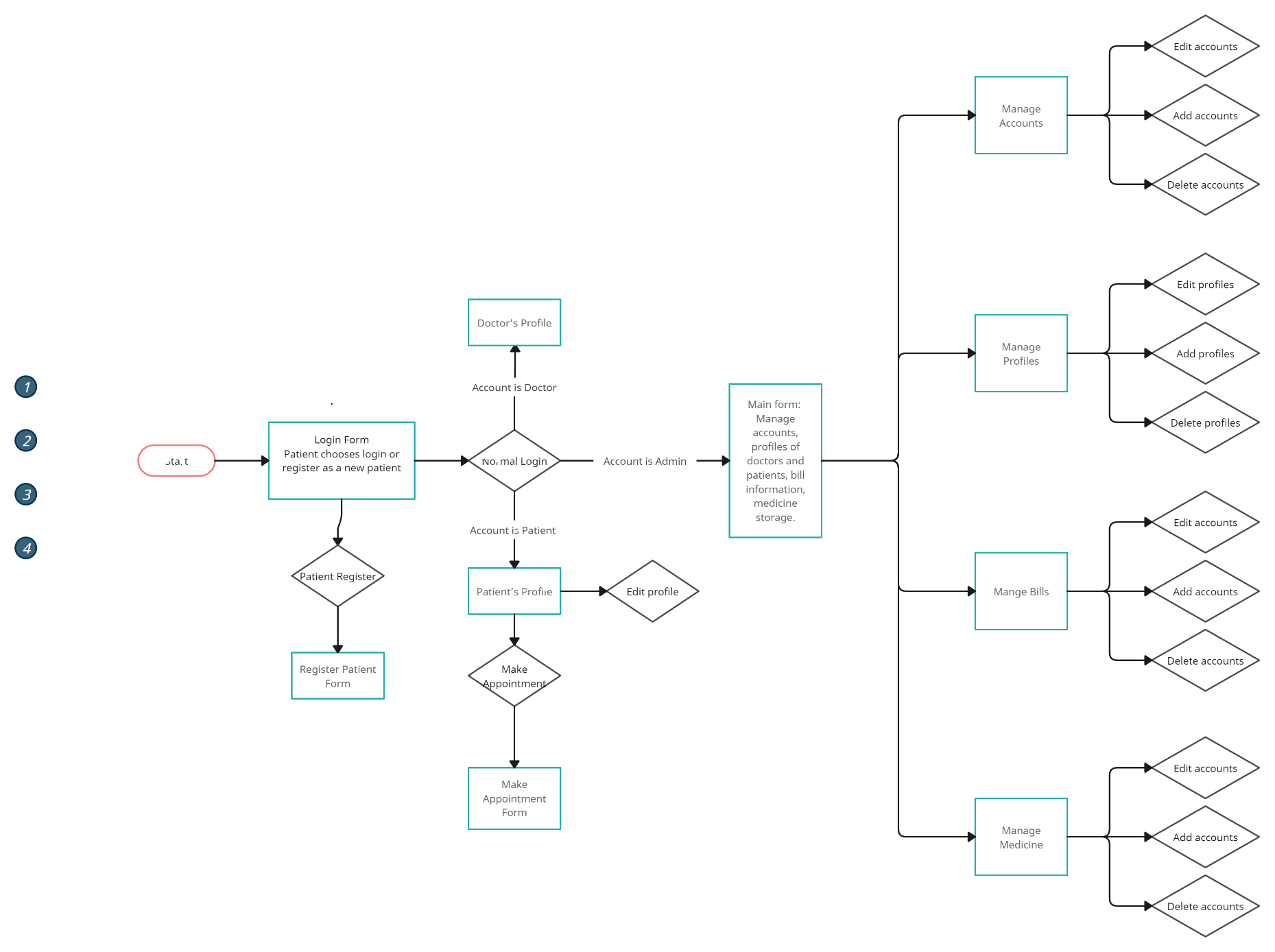
*<Summarize the information and activities that are needed to ensure an effective deployment of the solution into its operating environment.>*

*<Describe the access that users will require to be able to use the system, such as whether the users are distributed over multiple time zones or located close to each other. State when the users in various locations need to access the system. If infrastructure changes are needed to support the software’s need for capacity, network access, data storage, or data migration, describe those changes.>*

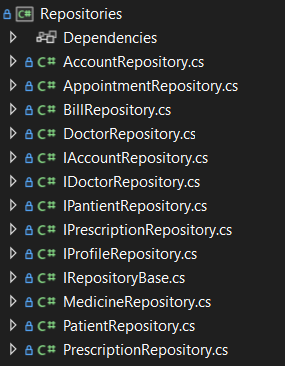
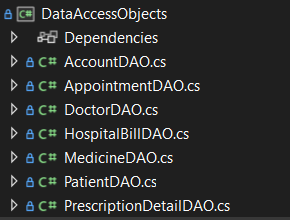
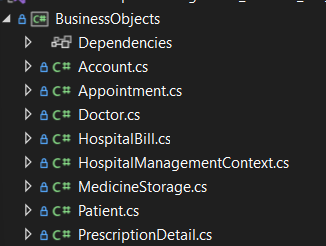
*<Record any information that will be needed by people who will be preparing training or modifying business processes in conjunction with deployment of the new solution.>*

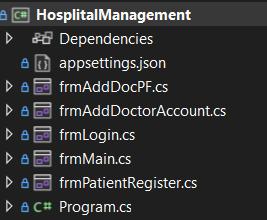
## Screenshots and explanations

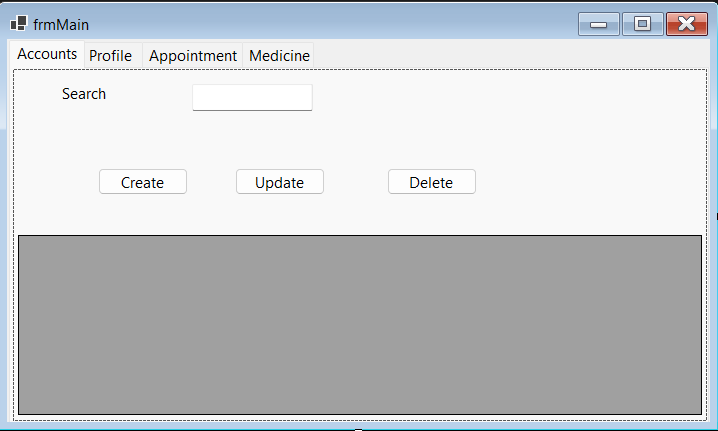
*<Screen flow>*



*<The screenshots and explanations>*

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# References

1. *Database design made on drawSQL web app: drawsql.app*
2. *Screen flow diagram made on Creately web app : app.creately.com*