* 1. **Problem Statement**

The task at hand will be to develop a pharmacy system that will effectively manage a pharmacy store medicine inventory. It will allow for interaction and communication of inventories between store(s), company and warehouse. The system will use a comprehensive approach to minimize the effort between each interaction and ultimately allow the pharmacy store to deliver the desired medicine to their customers.

The system will create a two-step application for managing and updating the pharmacy store’s medicine inventory. Maintaining inventories will be done at the warehouse, store and company level through a daily on-line system and a nightly batch system. The on-line system will interact with the pharmacy employees to perform transactions, check inventory and order items from the company warehouse. The nightly batch system will update the inventory of the company warehouse and stores based on the orders generated during the on-line system.