CHAPTER 1

INTRODUCTION

1.1 GENERAL OVERVIEW

A Shop Management System is an important part of store management that allows the administrator to manage store inventory details. It provides interface to store details of products. The system allows administrator of the store to insert,update,delete,view products in the store's inventory. The system also provides an interface to view the current premium products in the store's inventory (using consequential processing). Hence the main objective is to store the product's details in a functional and efficient manner so the details can be accessed with better productivity.

1.2 PROBLEM DEFINITION

This system performs simple functions to provide better and easier data insertion and handling. It will be used to add a product information, update/delete a particular product record through prno, and display all the records in a tabular format. These functions will make up the main menu of this interactive application. The insert record function takes in PRno, Product Name, Product price to be entered into the system. The match function uses consequential processing to display the premium products in the inventory.

1.3 OBJECTIVES

The main objective of the Shop Management System is to help administrator to manage the store inventory and the details of products.

Functionality of this system given to user is listed below:

- Provides insertion facilities to add new product details.
- Interface to view all premium products in inventory.
- Facility to update, delete,view products.
- To increase efficiency of managing the inventory.

CHAPTER 2

HARDWARE AND SOFTWARE REQUIREMENTS

Requirements are the specifications and the tools necessary for building an application. The hardware and software required for making a Patient Record management system are listed below:

2.1 HARDWARE REQUIREMENTS

- Processor : Intel Core i3 and above (Recommended)
- RAM : few MB
- Disk space : few GB
- Peripherals : Keyboard, USB Wheel/Optical Mouse.

2.2 SOFTWARE REQUIREMENTS

- Operating System : Windows XP,7,8,10, Linux
- Language used : C++
- Editor : Microsoft Visual Studio 16.0

The hardware requirements specified are the hardware components/capacity of the system in which the application is developed and deployed. The above software requirements are the necessary software required to develop the application and run the application. Visual studio MFC is used to develop the application on Windows platform. The project is developed in C++ language with concepts of file handling(based on consequential matching).

3.2 SYSTEM DESIGN

System design is process of defining the architecture, modules, interfaces, and data for a system to satisfy specified requirements. System design is a solution, a “HOW TO” approach to the creation of a new system. It translates system requirements into ways by which they can be made operational. The system thus made should be reliable, durable and above all should have least possible maintenance costs. It should overcome all the drawbacks and should meet the user requirements.

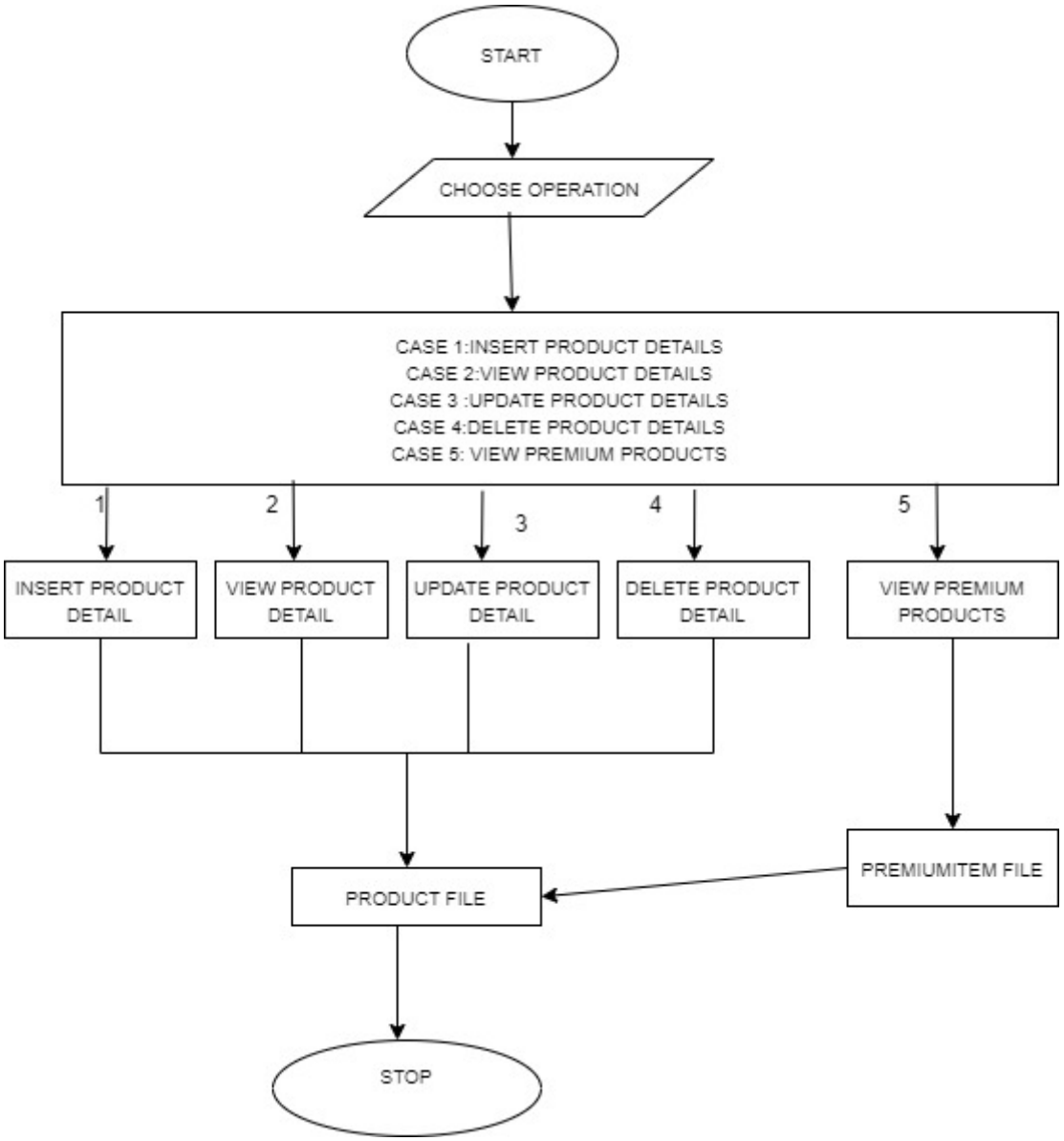

Figure 3.2: System Design for Patient Record Management System.

3.3 DATA- FLOW DIAGRAM

A data-flow diagram (DFD) is a way of representing a flow of a data of a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow; there are no decision rules and no loops. Data flow diagrams are used to graphically represent the flow of data in an information system. DFD describes the processes that are involved in a system to transfer data from the input to the file storage and reports generation.

3.3.1 DATA-FLOW DIAGRAM FOR INSERTION

The flow of insertion operation is as shown in Figure 3.3.

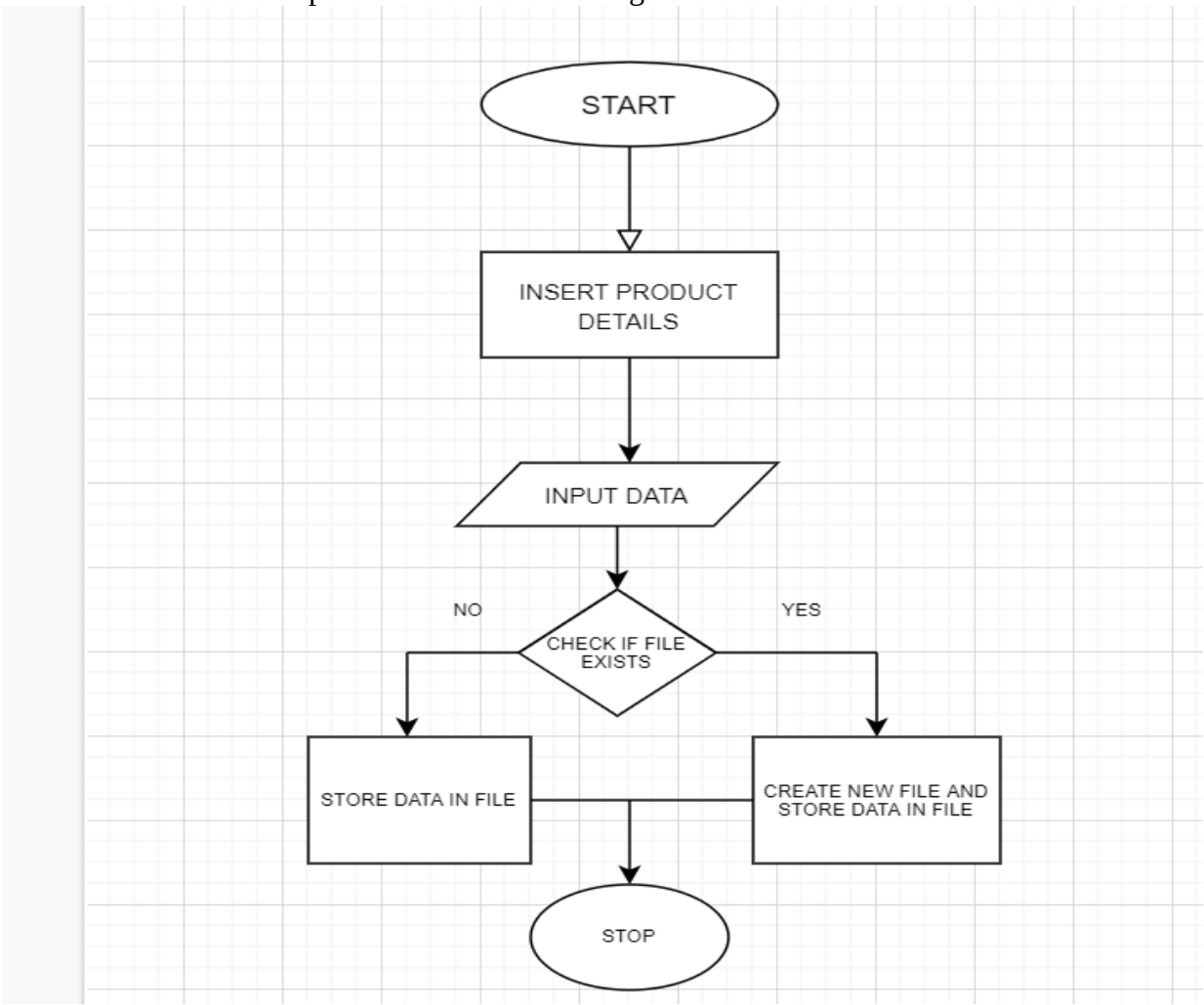

Figure 3.3: Data-flow diagram for insertion

CHAPTER 6

RESULTS

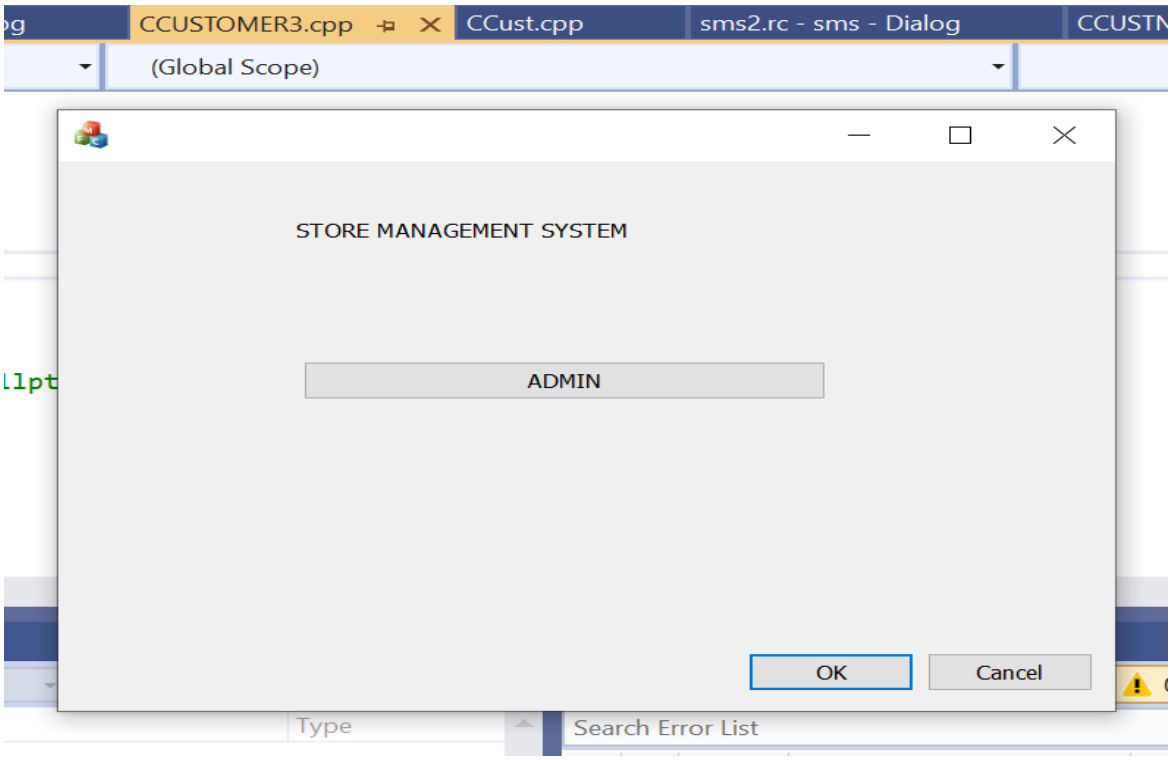

Figure 6.1 Main Page

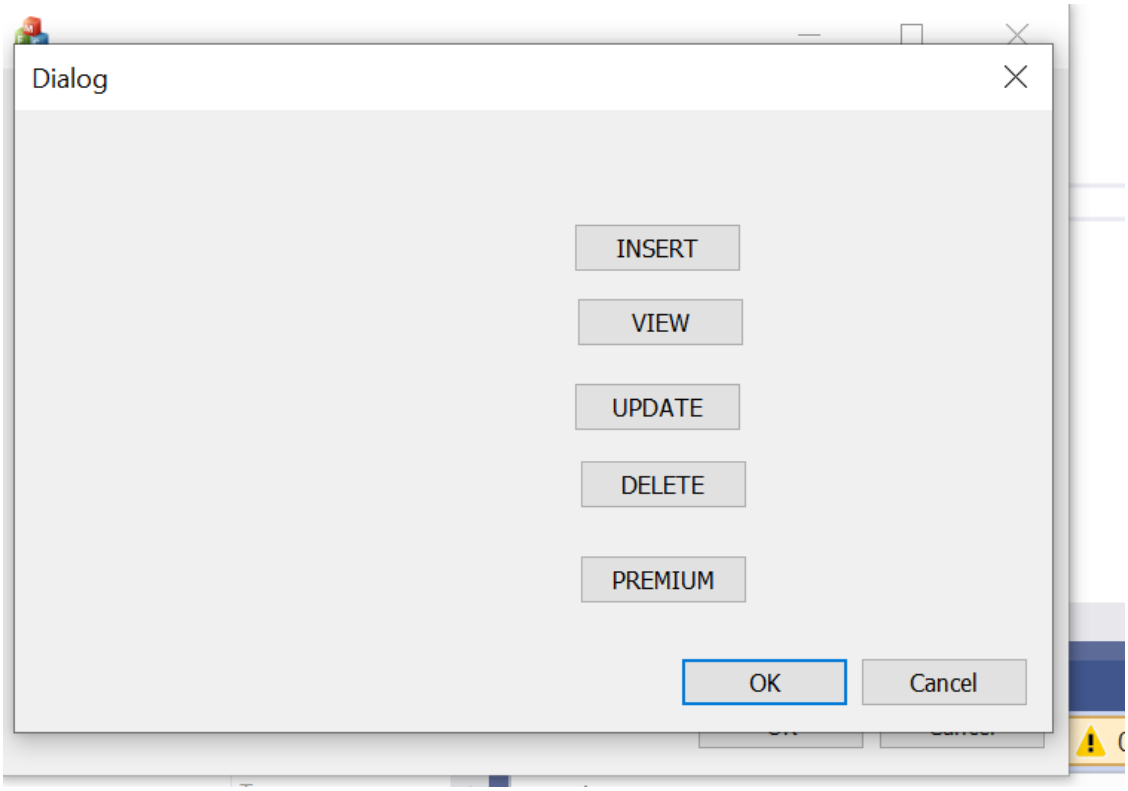

Figure 6.2 Management Console

The following operations can be performed by clicking on the respective buttons.

- When Insert button is clicked, a new dialog appears as shown in Figure 6.3.
- When View is clicked, a new dialog appears as shown in Figure 6.5.
- When Update button is clicked, a new dialog box appears as shown in Figure 6.6.
- When Delete button is clicked, a new dialog box appears as shown in Figure 6.9.
- When the Premium Button is clicked, a new dialog box appears as shown in Figure

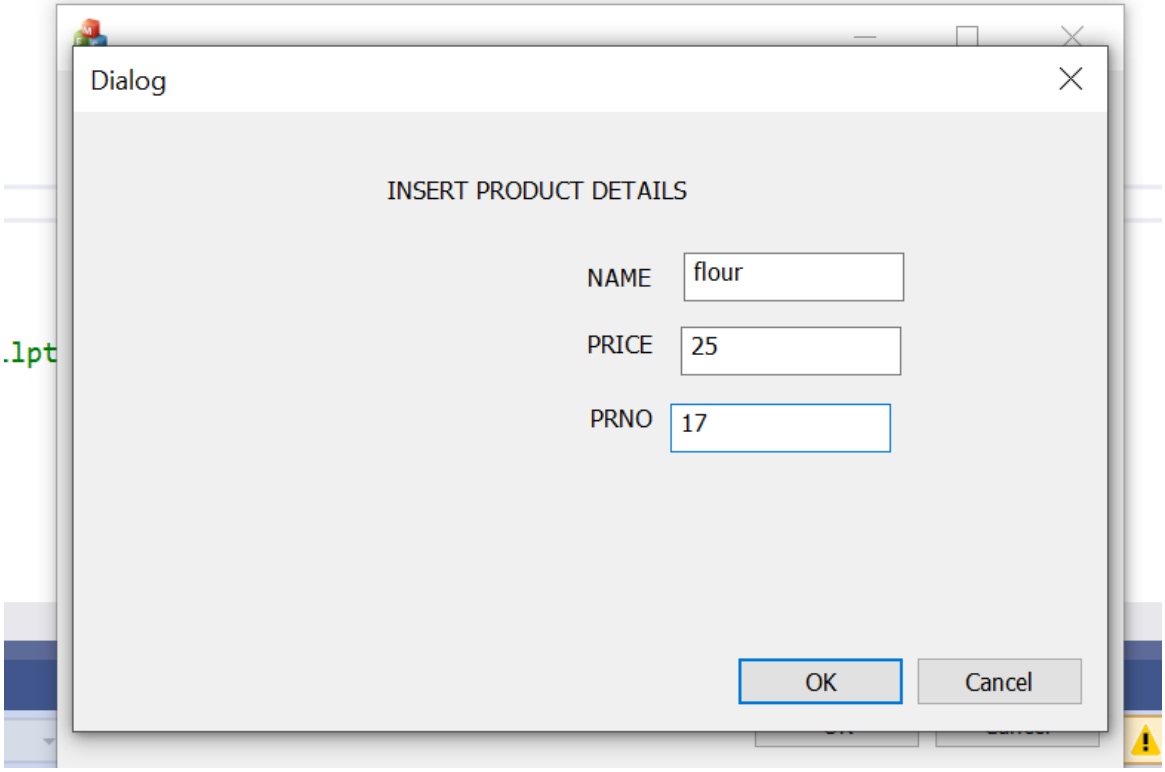

Figure 6.3: Insert Dialog Box

The Insert Dialog (as shown in Figure 6.3), allows the user to enter/insert information of a new Product which is then stored in the sms.txt file.

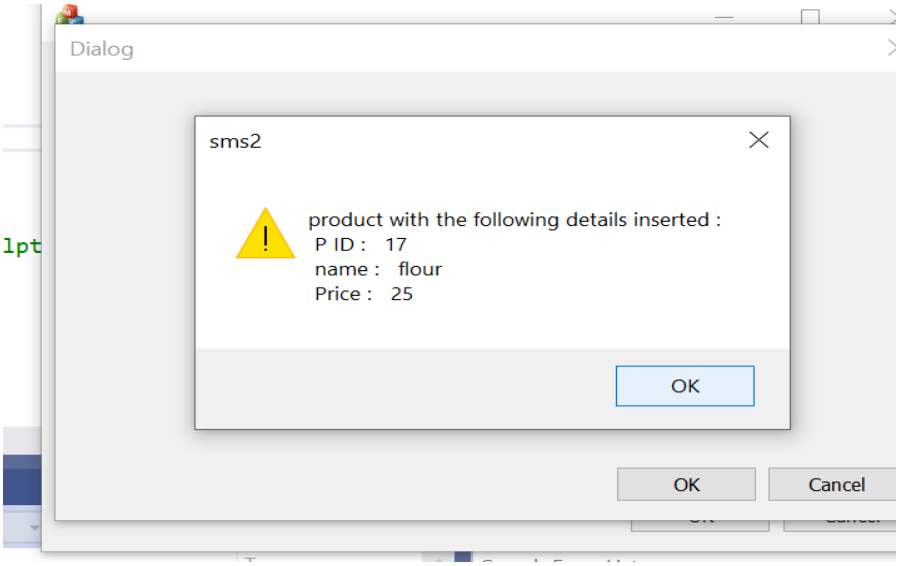

Figure 6.4 : Product insert popup.

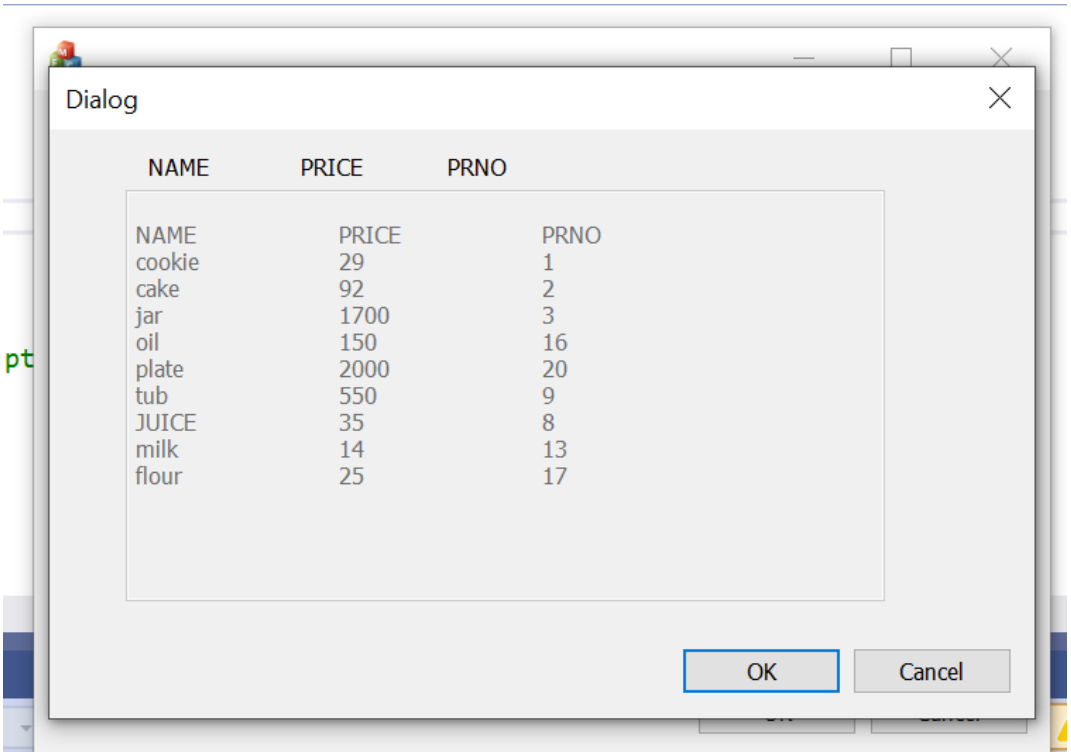

Figure 6.5: View Dialog Box

When the button View button is pressed a dialog box appears which has all the details of all the products in the store.

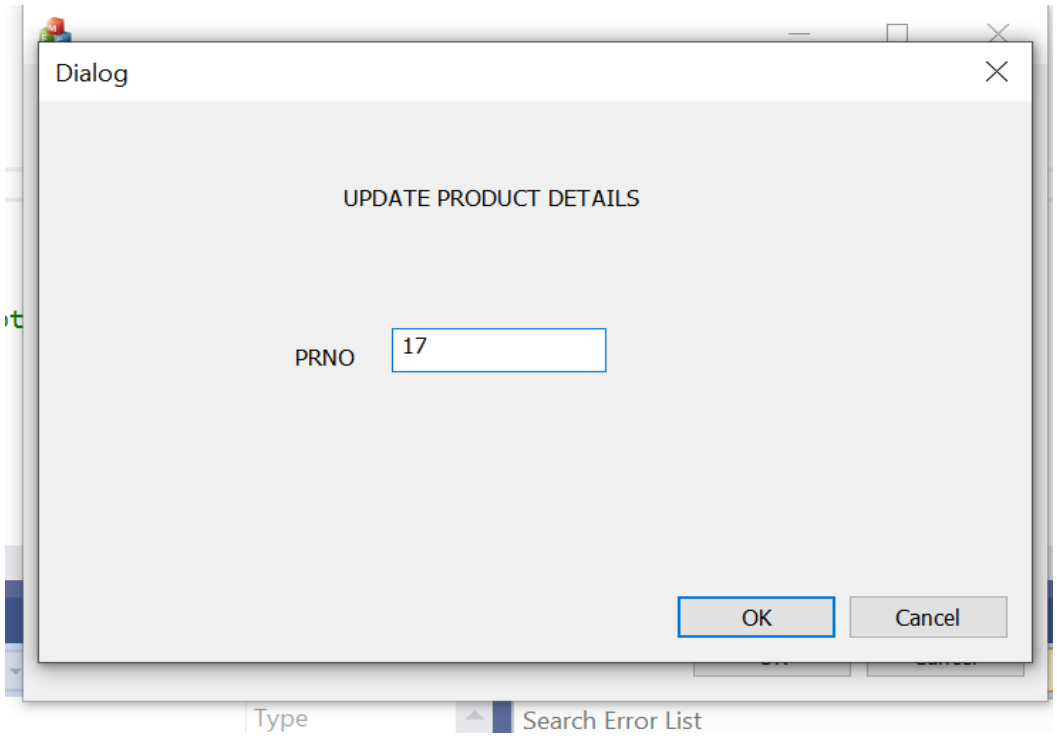

Figure 6.6 : Update Dialog Box

In Fig 6.6,when update button is clicked, a dialog box appears , asking for the PrNo for updation. Once entered, a new dialog box appears seeking the details of product.

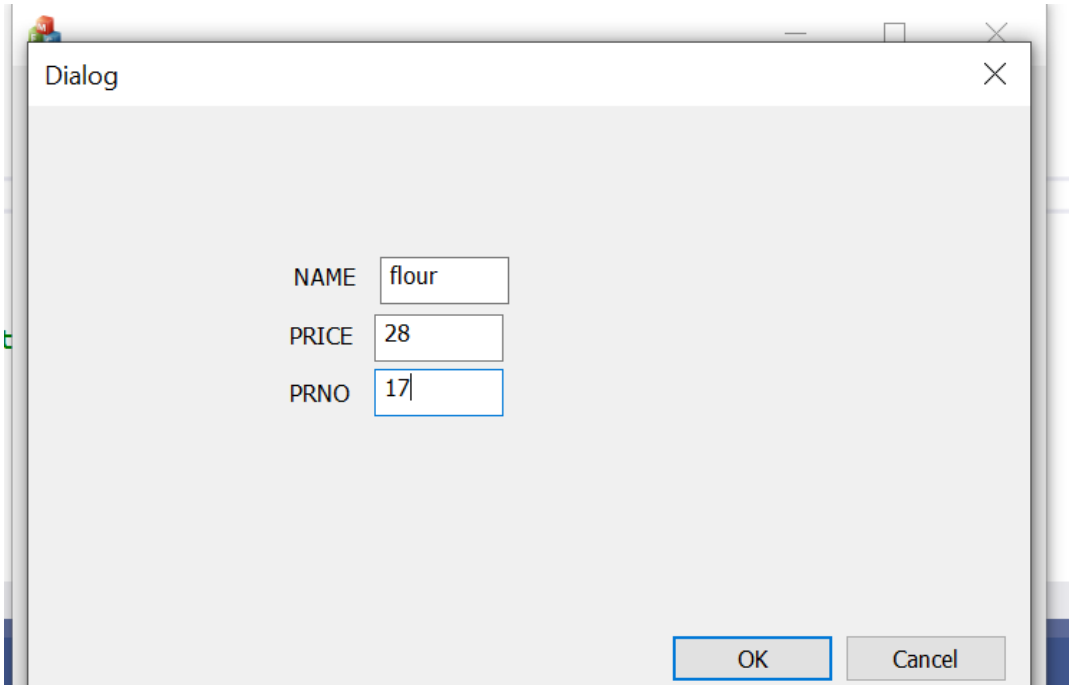

Figure 6.7 : Update details dialog box.

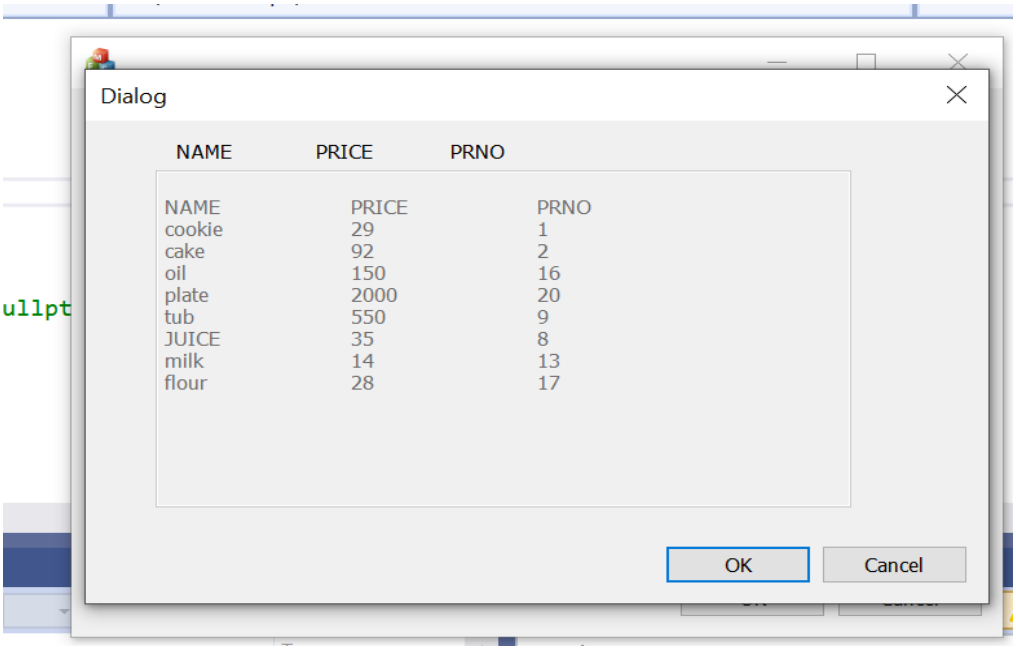

Figure 6.8 : Updated details.

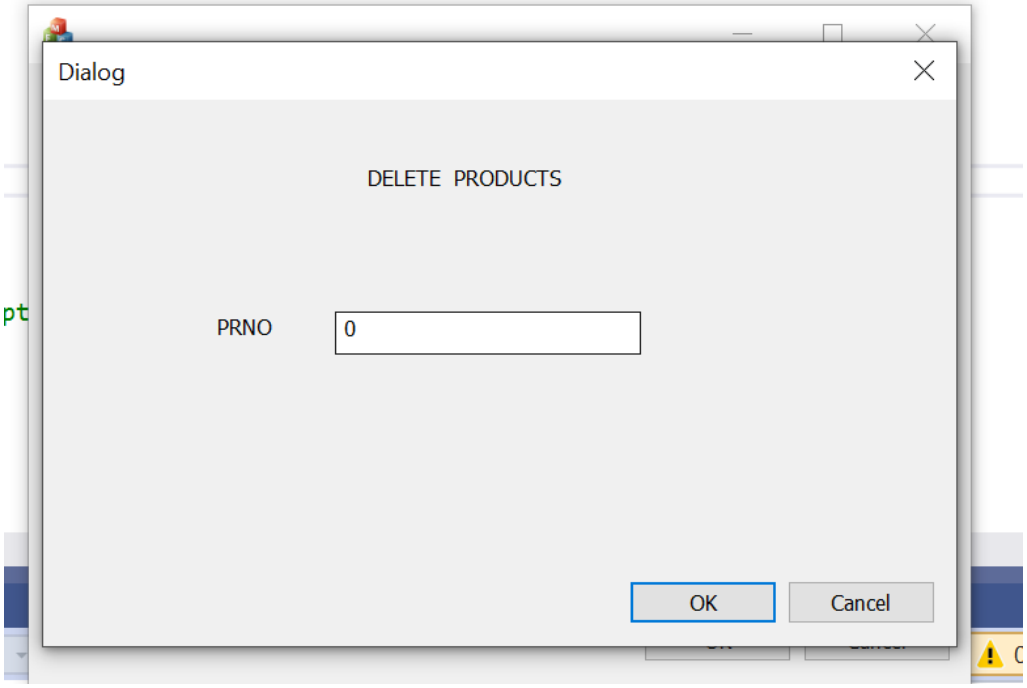

Figure 6.9: Delete dialog box

When the delete dialog box appears, it probes for PRNO, once entered , figure 6.10 appears.

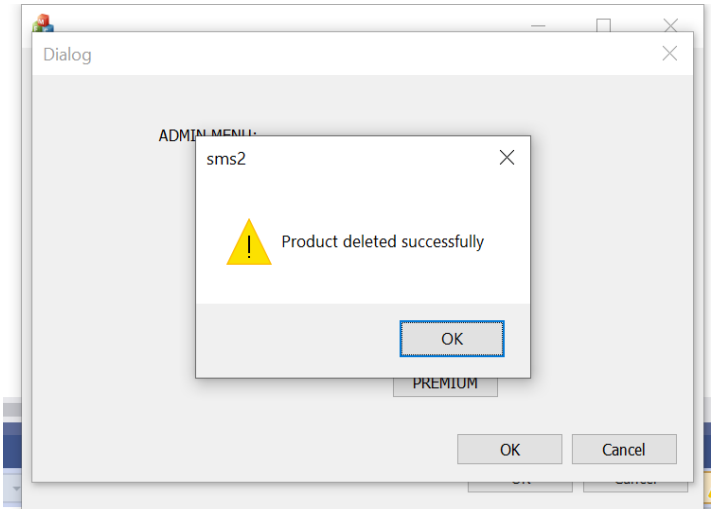

Figure 6.10 : Product deleted popup.

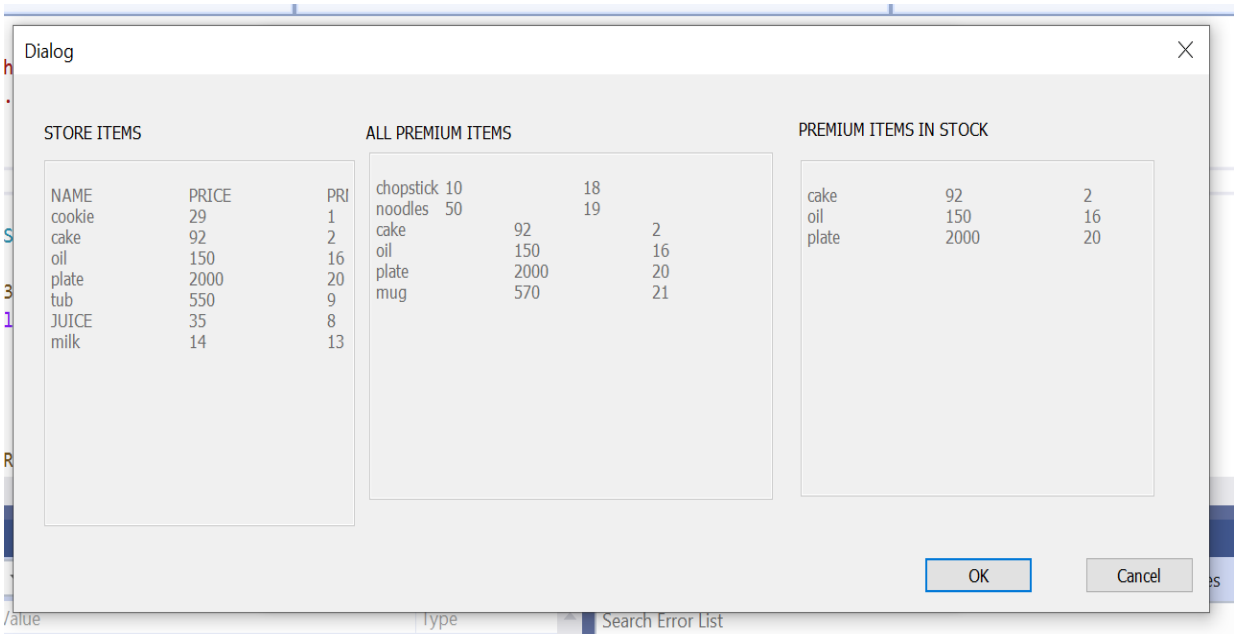

Figure 6.11: Premium item stock view dialog.

When the Premium dialog box is clicked, Figure 6.11 appears and displays the list of premium items in the store's inventory by calling on the match function.(COSEQUENTIAL PROCESSING).