Inventory Management System

**Overview:**

This project is an Inventory Management System built using C++. It provides a command-line interface for managing products within a shop. The system allows users to add, update, delete, and view products, ensuring that each product is uniquely identified by its ID. The system is designed to handle basic inventory operations efficiently.

**Key Features:**

1. **Add Product**:
   * Users can add new products to the inventory by providing details such as Product ID, Name, Price, Description, and Units in Stock.
   * The system checks for duplicate IDs to ensure that each product is uniquely identifiable.
2. **Update Product**:
   * Existing products in the inventory can be updated by specifying the Product ID and new details. Users can modify the name, price, description, and stock quantity of a product.
3. **Delete Product**:
   * Products can be removed from the inventory by specifying their unique Product ID. This helps in managing outdated or unavailable products.
4. **View All Products**:
   * The system provides an option to display all products currently in the inventory, showing detailed information for each product.
5. **Menu-Driven Interface**:
   * The system presents a user-friendly menu to navigate between different operations, making it easy for users to interact with the application.
6. **Input Validation**:
   * The system includes basic input validation, such as ensuring that product prices are non-negative.

**Technical Details:**

* **Data Structures (Struct)**:
  + **Product**: A struct to represent individual products with attributes like ID, Name, Price, Description, and Units in Stock.
  + **Shop**: A struct to manage the collection of products, providing methods to add, update, delete, and display products.

**Use Case:**

This Inventory Management System is ideal for small businesses or retail shops that need a simple, reliable way to manage their product inventory. It can be easily extended or integrated with larger systems, making it a flexible solution for various inventory management needs.

This project serves as a solid foundation for beginners to understand basic object-oriented programming concepts and data structures in C++.