STOCK MAINTENANCE SYSTEM

PROBLEM STATEMENT:

The stock maintenance system must take care of sales information of the company and must analyze the potential of the trade. It maintains the number of items that are added or removed. The sales person initiates this Use case. The sales person is allowed to update information and view the database.

A new stock maintenance system for a book store is to replace the existing maintenance system which is in efficient.The new stock maintenance system will allow the employee to record information of the books available in the book store and generate report based on the total amount of sales.

The new system will has a window based desktop interface to allow employee to enter the information of sale,purchase orders,change employee preferences and create reports.employee can only access the information and purchase orders for security purpose.

The system retains information on all the books in the shop.The system retains the records of the cost,edition,author,publication of the books.The employee maintains the information of the sale of books.He can add the books at right time and update the database.

The customers can view the availability of the required books and the price of the books.The customer an just view them but cannot make any changes.

<h1 align="center">Software Requirement Specification(SRS)</h1>

1 Introduction:

1.1 **Purpose of this Document:** The entire process of Stock maintenance is done in a manual manner Considering the fact that the number of customers for purchase is increasing every year, a maintenance system is essential to meet the demand. So this system uses several programming and database techniques to elucidate the work involved in this process.

1.2 **Scope of this document** – The System provides an interface to the customer where they can fill in orders for the item needed. • The sales person is concerned with the issue of items and can use this system. • Provide a communication platform between the customer and the sales person.

1.3 **Overview** – SRS includes two sections overall description and specific requirements Overall Description will describe major role of the system components and interConnections Specific Requirements will describe roles & functions of the actors.

1.4 **General description:** In this, general functions of product which includes objective of user, a user characteristic, features, benefits, about why its importance is mentioned. It also describes features of user community.

2 Functional Requirements:
REQ-1:The system shall be internet oriented and require an online server.REQ-2:The system shall save the product details,customer details,supplier details,sales details,purchase details and stock details in remote database.REQ-3:The system shall allow the customer to log in and buy the products i.e sales process.REQ-4:The system will allow manager to view and print product details,customer details,supplier details,sales details,purchase details and stock details.REQ-5:The system will allow to send purchase order to supplier and receives Invoice.REQ-6:The system will allow admin to manage and update product details,stock details,customer details and supplier details.

3 Interface Requirements:
In this, software interfaces which mean how software program communicates with each other or users either in form of any language, code, or message are fully described and explained. Examples can be shared memory, data streams, etc.

4 Performance Requirements:
The system is required a fair amount of speed especially while browsing through the products,selling and purchasing products.The database shall be able to accommodate a minimum of 100000 records of stock,customers and suppliers.The software will support multiple users.

5 Design Constraints:
The system is internet based system,a webapp that should be developed to support any web browser to be used.Customer account,Manager account,Customer payment and payment for product purchase should be secure,the system design should include a lot of DB and SYSTEM validation.Developers needs to be always there to support the delivered system in terms of validation and maintenance.

6 **Non-Functional Attributes:** Safety requirements:The system is required provide a protection of the database.Security requirements:The main security concern is for payment details during sales and purchase process,hence proper login mechanism should be used to avoid hacking.The online stock maintenance system shall not disclose personal information of passengers to unauthorized users or the public.Software quality attributes:The database will have to be available to passengers 24/7.Business rules:The online ticket reservation system shall include four types of accounts:the stock administrator,manager,supplier and the customers.To log in to the system user name and password is required.Manager will take decision when to purchase stock by observing demand of the product.

7 **Preliminary Schedule and Budget:** In this, initial version and budget of project plan are explained which include overall time duration required and overall cost required for development of project.