

4. Stock maintenance system

Problem Statement - a stock maintenance system is essential for any business that deals with physical products. It helps in managing the business. Without a proper stock maintenance system in place, businesses may experience stock shortages.

URS -

① User Requirement:

1. user interface - Should have a user-friendly interface that is easy to navigate & use. Should be intuitive and allow user to access all the features.
2. Product management - Should allow user to add new products to the inventory, edit the details of existing products & delete product
3. Stock management, sales tracking, purchase order management.
4. Usability, performance, security, compatibility.

② Functional requirement:

- * The system shall allow users to add new products to the inventory
- * Should allow users to edit the details of existing products.
- * Shall allow users to view and update the stock level of each product.
- * Should allow users to record, view sales and generate reports on sales data.

③ Non-functional requirement:

- * System shall have a user-friendly interface
- * System shall be easy to navigate and use

- * System shall have fast response time
- * Shall be able to handle a large no. of products & transactions.

④ Software requirement:

1. OS - the stock maintenance system should be compatible with popular operating systems.
2. web server - system should be deployed on a web server such as apache, IIS
3. Frameworks, Database management system, programming language
4. User interface, security, backup and recovery
5. Scalability and integration.

⑤ Domain requirement:

1. Inventory management - stock maintenance system should provide functionality for managing inventory.
2. Sales tracking - the system should provide functionality for recording sales data, tracking sales trends
3. Purchase order management - provide functionality for generating purchase orders, tracking pending purchase orders
4. User Roles and Permission - should provide functionality for defining user roles & permission
5. Reporting and analytics
6. Alerts and notifications
7. Integration with other systems.