V   Stock maintenance

* **Problem statement:** Develop a simple s/m to manage inventory, transactions, reports and user access.

* **Goal :-** Create an efficient s/m for managing inventory and transactions.

① Introduction :-

- **Purpose :-** Define specifications for developing a stock management s/m to manage inventory efficiently.

- **Scope :-** Cover inventory management, stock tracking, reporting & user management.

- **Overview :-** Automate stock-related processes for optimized inventory control.

② General Description :-

- **Inventory management :-** Add, update, & delete stock items with details.

- **Stock Transactions :-** Record & process transactions

- **Reporting :** Generate reports on Stock levels, movement sales, and valuation.

- **user management :** Implement user authentication & authorized with admin controls.

③ Functional requirements :-

- Inventory management
- Reporting

- Stock Transaction
- User management

4) Interface Requirements:

- **User Interfaces:** Intuitive interfaces for stock manager and administrators.

- **Slm Interfaces:-** Integrate with external slm for data exchange.

5) Performance Requirements:

- **Response Time:-** Ensure quick response for stock operations.

- **Scalability:-** Handle large volumes of data and transactions efficiently.

- **Reliability:-** Maintain high slm availability.

6) Design constraints:-

- **Security:-** Implement data encryption and secure authentication.

- **Compliance:** Adhere to data protection regulation

7) Non-functional Attributes:-

- **Usability:-** User-friendly interface with clear navigation.

- **Portability:** Accessible from various devices & platforms.

8) Preliminary schedule & Budget:

- **Development Time:-** 6 months

- **Budget:-** $ 80,000

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