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# Stock Management Maintenance

## 1. Introduction

- 1.1 Purpose - Defines requirements for the Stock Maintenance System for developers and stakeholders.

~~1.2~~ ~~See~~

- 1.2 Scope - Outlines objectives, estimated costs and timelines for ~~the~~ managing stock inventories and records.

- 1.3 Overview - Automates stock operations, including inventory tracking, stock levels and notifications for restocking.

2. ~~1.4~~ General description - Enhances stock management and user experience for inventory managers and staff.

## 3. Functional Requirements

- User management: Register, update and deactivate users.
- Stock management: Add, remove or update stock record.
- Inventory tracking: Monitor stock levels and track usage.
- Search function: Search stock by name, category or ID.
- Reporting: Generate stock activity and usage reports.



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#### 4.7 Interface Requirements

- Web based UI for interface users & administrators
- Database integration for information storage
- Email notif for low stock alerts

#### 5.7 Performance requirements:

- Response time  $\leq 2$  seconds
- User support - upto 1000 simultaneous users
- Error rate:  $< 1\%$

#### 6.7 Design constraints:

- web based "UI" for major browsers
- Use MySQL for database
- Restricted access for admin features

#### 7.7 Non functional attributes

- Security: HTTPS and data encryption
- Scalability: Adapts to growth
- Reliability: 99% uptime
- Usability: Intuitive interface

#### 8.7 Preliminary Schedule and Budget

- Development time: ~~4 months~~ 8 months

Budget: Rs 15,00,000

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