

6/10/24

classmate

Date

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## Stock maintenance system:

### 1. Introduction:

1.1. Purpose of this document is to provide description about stock management system.

1.2 Scope of this document: The document provides description and explanation of the working of the system.

1.3. Overview:

The system keeps track of the incoming and outgoing stock with expiry date.

### 2. General Description:

The system should keep track of monthly incoming and outgoing of the stock, With Batch ID, from address, to address, and Quantity.

The system should generate a real time update on its information like Dispatched, packed, delivered.

### 3. Functional requirements:

- Details should be documented accurately.
- The query system must retrieve percentage increase in the stocks, present price, GMP and the remarks of the relationship manager must be displayed to the right.

#### 4. Interface Requirement:

The details of the query system must be displayed as playcards for each stock and must be changing every seconds.

#### 5. Performance Requirement:

The details of the stock from the exchange ~~must have~~ <sup>by the</sup> query system must have a response time of 0.1 milli seconds. It must operate on 200 GB memory and must have minimal error rate.

#### 6. Design Constraints:

It must use hashmaps and must have an O(n) time search sequence. It must be able to run on old systems.

#### 7. Non-functional attributes:

It must use elgamal encryption to transfer the details of the system from relationship manager and user.

#### 8. Preliminary Schedule and Budget:-

Requirement Analysis: 2 weeks.

System Design: 4 weeks

Development: 8 weeks

Testing: 4 weeks.

Deployment: 2 weeks.

Total: 20 weeks.

Budget: Software Development: \$30,000

Hardware Development: \$15,000

Software Licence: \$5000

Testing: \$10,000

Management: \$5000

Total: \$65000



## Store Management :-



