Software Requirements Specification

for

<Project>

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
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# Introduction

## Purpose

The basic idea behind the development of this software, “The Distributors Software”, is to digitalize the work of distribution and maintain its logs and records. This work as of today, is done on paper, and as any other paper work, is laborious and error prone. This software intended basically is to reduce the work load of the distributor while increasing the efficiency of work and increase reliability.

## Document Conventions

Since this software is only meant for the persons involved in looking over of the work done, they are addressed to in the documentation as managers or distributors as and when either of the two seems more apt to the situation.

## Intended Audience and Reading Suggestions

This software is intended for anyone who is in the business of distribution such as wholesale or stationaries and more. Anyone who is involved in business and want to switch from the paper work and its problems into a more reliable, robust, dynamic, error free and easy to maintain, and less headache. For better understanding of the product, it is suggested to go through the entire manual; however each section is self explanatory, and the reader can focus on specific sections as and when required.

## Product Scope

The product is intended for anyone who is involved in any form of large scale distribution business. This software is reliable and works for each of them. Though there are a variety of products in market which deal or intend to deal this problem, they lack specificity and aptness. Other softwares like tally are not as user friendly as they seem to appear and users need to program them, which requires both time and extra effort. This “Distributor’s software” is answer to all the problems. It is specific and requires least knowledge and effort. Anyone with basic knowledge of computer can operate this software.

# Overall Description

## Product Perspective

This is a software which specifically addresses and is a replacement of ‘good old’ paper based work and other low quality distribution softwares. It is a self contained product, with least system hardware requirements and quite dynamic and robust.

## Product Functions

* Inventory Management
  + - Add New Product
    - View Products
    - View Stock
    - Delete Product/s
    - Reminders of Deficit Products
* Product Delivery
  + - Day and Time Of Delivery
    - Area of Delivery
    - Products Delivered
    - Products Undelivered
    - Gross profit
* New Orders
  + - Order By
    - Order Date
    - Order Size (cash)
    - Expected Delivery Date
    - Existing Deficits of Requester(if any)
* Log Maintenance
* Bill Book
* Profit calculation
* Reminders

## User Classes and Characteristics

The expectation of people using this software is expected to be from small scale distributors which supply resources to a particular city to a medium level distributor having 4-5 districts under his belt.

However , small scale distributors are likely to find this software more useful and can help save them a lot of effort and value a lot better as compared to vintage techniques and softwares .

## Operating Environment

The software is supposed to be platform independent and will use a browser, better works with google chrome or Mozilla firefox, so the either of two must be kept updated. It being connected to a web portal, the user must insure good quality internet for faster operability and smooth running of the software

## Design and Implementation Constraints

There aren’t any as of now.

## User Documentation

The software is self explanatory and will not need any external manuals or tutorials. However, just for the user convenience, an additional material about the work flow and know how of the system will be attached to the software. Once the software is installed, it will be in the folder where the software is installed by the user.

## Assumptions and Dependencies

The software is made with the basic assumption that the user knows how to operate a computer and a few basic commands. As for dependencies, this software is an individual and does not need any other softwares for it’s smooth functionality.

# External Interface Requirements

## User Interfaces

The functionalities of the software are bulleted in section 2.2 of this document. This is maintained as user friendly as possible with any possible use of GUI as and when seemed necessary. However, a lot priority has been given to avoid third party and not genuine plug ins to avoid any issues which could cause any unauthorized access or hampering of data. The work flow of the software is also in sync with the functionalities listed in the same section. However, for any user to access the information, a login page will be in its rightful place. The software is so designed to inform the user on his/her mobile phone via a message if the account of the specific user has been tried to access with wrong pass codes 3 times in a row. Any major changes in the database, would first be asked for confirmation to avoid errors and slim chances for mistakes.

## Hardware Interfaces

No external or extra hardware components are required to facilitate the functionality of this software.

## Software Interfaces

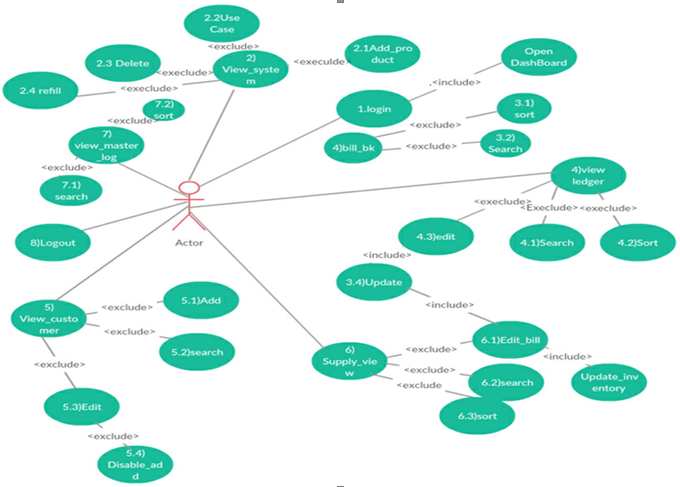
The use of third party software is tried to be kept at a minimal, to avoid any possibilities keeping in the mind, the impact and efficiency and accuracy this system intendeds to provide. The access to the database is by legitimate software, which is intended to avoid inconsistency. The only possible method to access the database will be through the software. It will also be a platform independent system allowing the users with the freedom to use any machine they like without constraining them to use particular machines, keeping user comfort a top priority.

## Communications Interfaces

The access to internet is the first and foremost requirement of the software. Any communication and dataflow will be vis the internet protocols. The use of internet is basically for allowing the access to specific user, sending message if any unauthorized person tries to access their account and to retrieve the information. The information will be encrypted with 3 way encryption to slim the chances of any unauthorized access in the medium (MITMs).

# System Features

(space for use case diags)



## Maintain customer database

### Description and Priority

A set of attributes is pre-defined for every individual/customer, with dynamic allocations allowing it to change as and when required by the user. Every change by the user has a record, allowing monitoring of actions and immediate and necessary action to be taken in case of encounter with inconsistency due to human error.

4.1.2 Stimulus/Response Sequences

Stimulus :Customer has moved to a new address or changed his location

Response : Every bill generated by the system will now point to the new

Address but the bill will be generated for same person rather than a

a new person

Stimulus : A customer has opened a new store.

Response : In case of multiple address/ location of the customer, the

system will automatically enquire about the where abouts and the

specifications before generating the bills.

4.1.3 Functional Requirements

TBA

## Backup Features

4.1.1 Description and Priority

In a scenario, where the system of the user is down due to crash or breakdown, the user can still access the systems. Also if due to any human error, discrepancies are generated, the user can also use the backup of their data and begin again.

4.1.2 Stimulus/Response Sequences

Stimulus: Computer suddenly switches off due to no power

Response : All the work done by the user is already saved in cloud. So, The user can charge the PC and continue with their work.

Stimulus: Computer does not open due to (other) hardware or software issues

Response : User can log on to another PC with this software and continue working.

4.1.3 Functional Requirements

TBA

## Inventory Management

4.1.1 Description and Priority

This section will allow the user to keep an over view of all the activities going on in the inventory. All the manual work gets replaced as the system wil provide every detail of the stock and any problems related to it.

4.1.2 Stimulus/Response Sequences

Stimulus : Running low on availability of a specific product

Response : Allow user to see the updates and the stock pile and order

according to needs.

4.1.3 Functional Requirements

TBA

## Add Bills

4.1.1 Description and Priority

This section generates bills, and allows the user to monitor any redundancies. Also it allows the user to keep watch on who they are providing and if they have any deficits, allowing user to make a better choice of whether to provide the customer with his requirements or otherwise. .

4.1.2 Stimulus/Response Sequences

Stimulus : A customer has a huge amount of deficit and has ordered another big list of items.

Response : The user will get a message about the current deficit of the customer, and if the user is convinced about the customer, and wishes to proceed or not, such problems will be easy to face.

4.1.3 Functional Requirements

TBA

## Bill Book

4.1.1 Description and Priority

Bill Book will be a section where during the time of payment, will help the user by sorting the bills as per user like customer, area, etc. It is a dynamic record, and once the payments are made, the bills will get cancelled, showing the user only the current deficit of each customer

4.1.2 Stimulus/Response Sequences

Stimulus : User wants to check bills till now for setting high deficit

customers, changes in bills as such and also concession to particular

customers providing with regular orders etc .

Response : User can go to the bill book and sort the bills by their

amount,and can decide which users to hold further order and to whom concessions in prices are to be provided.

4.1.3 Functional Requirements

TBA

## Ledger

4.1.1 Description and Priority

Ledger is a permanent record, which cannot be altered, and is specifically kept for issues like taxes etc where high risk is involved.

4.1.2 Stimulus/Response Sequences

Stimulus : Net tax payment at the time of filing in taxes

Response : Gives the user net flow of sums of money as well as other

functionalities such as tax payment, and a permanent record of each

activity in case things go south..

4.1.3 Functional Requirements

TBA

# Other Nonfunctional Requirements

## Performance Requirements

There are no specific and high requirements as such, any browser, with a genuine operating system and hard disk space of 100 MB would suffice. However, a minimum RAM of 256 MB is quite optimum for the system, accompanied with a good internet connection.

## Safety & Security Requirements

There aren’t any negative effects or any problem which the user would face due to this software, however, if in case of any problem, follow the default and recommended options. Also this system is quite safe for data related issues, however, keeping an antivirus of trusted brand might facilitate and ensure higher security. Also, if using a windows device, it is advised to keep windows defender inactive while using this software.

## Software Quality Attributes

The quality of software is high in every sense. It has been put through a rigorous and a large variety of tests. There are no doubts on its features such as: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. The user will not find any issues with the system.

## Business Rules

Incase of any discrepancies, try to contact the registered company and avoid any “play” with the database and system, as such an action might unrecoverable loss of data, although that is highly unlikely, as the registered company maintains a regular backup data, just to tackle any such situation.

# Other Requirements

None as such. However, it might be a good idea/ better practice to keep the browsers upgraded and updated, with use of genuine copy of the operating system and keeping a fast internet link.

Appendix A: Glossary

**User** : The person who want looks you use analysis the work of the software.

**Reader**: Anyone which reads our site to read articles.

**Database**: It is collection of the interrelated data and database basically record keeping system.

**Software Specification Requirements**: Which gives all details of the functionality of the system software.

**Field** : different types of functionality of the system.

**Member**: part of that project software.

**Stakeholder:** Any person who use interested to do something new in the project.