

Vision Document for “OYR Inventory Management Solution”

Team members:

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1. Introduction

Even giants can be brought down to their knees, as proven in Walmart’s mammoth fall in 2013 when \$3 billion went down the drain, thanks to years of excess goods surging past sales. In the quarter ending on April 30 earlier this year, Walmart announced lower earnings. The cause? Aside from its fiscally damaging inventory excess and messy storage spaces, **Walmart also had no real, effective inventory software** in place to keep goods at an optimal level. As a result, thousands of hours were wasted by managers in the backrooms to track and find products annually (<http://www.waspbarcode.com/buzz/walmart-2>).

The need for an inventory solution in a medium and small size enterprise can not be over-emphasized. Over the year, traditional system of inventory management is to write in books and keep records of daily sales but this has being discovered to be not efficient as it is error prone and not portable. After this come the use of excel for report and management of stock and salary payment. But now, the use of a sophisticated tailored software to solve this problem is the only way to go. Our software project has set-out to solve all or some of the identified issue with the current inventory management solution today in market.

As merchant business expand, he opens more and more locations in different states and cities, synchronizing the total sales across these different locations becomes a problem or overhead in the previous traditional approach to inventory solution. Our solution has come up with a concise approach to managing merchant multiple location and sales across the business empire.

Merchant over the time want to be able to generate and download report at any point at any location, hence the need to explore the OYR inventory solution.

The merchant should be able to add products, customers, create new locations (as his business grows), generate report, add salesman and be able to generate report per location, per salesman and capture payments.

2. Positioning

2.1 Problem Statement

This

The problem of	<i>managing merchant inventory, synchronizing sales across many locations, generate reports based on different locations, sales men, date range</i>
Affects	<i>Merchant, sales person, dealers, customer</i>
the impact of which is	<i>scheduling is complex, must be manually maintained, and changed frequently</i>
a successful solution would be	<i>one tool which manages merchant inventory and reporting efficiently anytime and anywhere and provide a one sight overview of all the activities (profit and loss) in all merchant location and help him as business owner make some brilliant decisions. This tool will provide a Database and a user interface that is easy to use merchants, sales persons, dealers and customers.</i>

2.2 Product Position Statement

[Provide an overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. The following format may be used:]

For	<i>Small and medium enterprise</i>
Who	<i>[statement of the need or opportunity]</i>
The (OYR Inventory Management Solution)	<i>is a [product category]</i>
That	<i>[statement of key benefit; that is, the compelling reason to buy]</i>
Unlike	<i>[primary competitive alternative]</i>

Our product	<i>[statement of primary differentiation]</i>
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3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Merchant	Merchant create, update products, customers, locations,dealers and salesperson	Merchant is responsible for creating and updating products, customers, locations, dealers and salesperson.
Dealers	Dealer supply the merchant with products in different locations and upload report in the solution for merchant perusal	
Salesperson	Salesperson login to the system and perform sale based on customer selection	
Developer	Developers develop system on the basis of given document	Developers are responsible for developing system features, fixing bugs, and maintaining the system's availability
Tester	Testers use junit tool to test system or integration test	Testers are responsible for integration testing

3.2 User Environment

[Detail the working environment of the target user. Here are some suggestions:

Number of people involved in completing the task? Is this changing?

How long is a task cycle? Amount of time spent in each activity? Is this changing?

Any unique environmental constraints: mobile, outdoors, in-flight, and so on?

Which system platforms are in use today? Future platforms?

What other applications are in use? Does your application need to integrate with them?

This is where extracts from the Business Model could be included to outline the task and roles involved, and so on.]

4. Product Overview

4.1 Product Perspective

This solution is self-sufficient as it is completely dependent on itself to carry out all the highlighted features. It is different from the traditional book keeping or using the excel document.

This system provide a customer friendly user interface for fast transaction completion within a reduced time frame.

4.2 Assumptions and Dependencies

We made the following assumptions:

- ❖ Customers comes with only cash for purchase and therefore card payment is not catered for.
- ❖ Customers information is not captured by the system as we are not concerned by who buy what as much as who sell what (salesperson).
- ❖ We are adopting online-offline model - meaning customer have to walk in to the store perform purchase and that the merchant can track the activities in each of his stores and locations real-time.
- ❖ Merchant is responsible for providing internet in each of his stores for the online reporting to work as expected (real time).

4.3 Needs and Features

No	Problem	Need	Priority	Features	Planned Release
<i>Merchant Activity</i>					
1				<i>Merchant must be able to create, update, delete and view locations and be able to add more as his business expands</i>	
2				<i>Merchant must be able to create, update and delete dealers to supply him products</i>	
3				<i>The merchant must be able to add , update or delete products</i>	
4				<i>Merchant must be able to</i>	

				<i>create, update and delete salesperson and assign to different location at a particular point in time</i>	
<i>Dealers' Activity</i>					
<i>1</i>				<i>Dealer must be able to supply products to different merchant location as requested by merchant at a specific time</i>	
<i>2</i>				<i>Dealers must be able to track supply and payment</i>	
<i>Salespersons' activity</i>					
<i>1</i>				<i>Sales person must be able to login and perform sales</i>	

4.4 Alternatives and Competition

Many merchants today use microsoft excel for capturing sales details and generate chart and reports, this of course is not efficient as it was not designed/developed for such while some use big giant like walmart use internally developed solutions.

5. Other Product Requirements

[At a high level, list applicable standards, hardware, or platform requirements; performance requirements; and environmental requirements.

Define the quality ranges for performance, robustness, fault tolerance, usability, and similar characteristics that are not captured in the Feature Set.

Note any design constraints, external constraints, or other dependencies.

Define any specific documentation requirements, including user manuals, online help, installation,

labeling, and packaging requirements.

Define the priority of these other product requirements. Include, if useful, attributes such as stability, benefit, effort, and risk.]