

# **Software Requirements Specification**

**for**

# **ERP Mobile Application**

**Version 1.0 approved**

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**Date created:14-09-2016**

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## Revision History

Name	Date	Reason For Changes	Version

# **1. Introduction**

## **1.1 Purpose**

*The software requirements for the application is building a ERP Mobile Application for Ware House Management into update their list of purchased orders,delete or update purchase orders,sales order reports,develop graphical analysis*

## **1.2 Document Conventions**

*For the SRS we have highlighted a few requirements such building application using Responsive UI.It should be a Hybrid Application as per the client requirements. And also every requirement mentioned has its own priority.*

## **1.3 Intended Audience and Reading Suggestions**

*The intended audience for our particular document is our client. And also the different types of reader who are related to the client professionally working along with him, such as developers, project managers, marketing staff, users and testers.*

## **1.4 Product Scope**

*The product scope is to building an ERP Mobile Application for the client to maintain their Ware House for purchased items which has to be updated,deleted or maintain a list of the items.The requirements also to use a Hybrid Application as it is said "Write once and Deploy in all platforms" The main objective is to make it Responsive UI for the user.*

## **1.5 References**

Books:Software Engineering, An Engineering Approach by James F. Peters, Witold Pedrycz, John Wiley

Software Engineering principles and practice by Waman S Jawadekar, The McGraw-Hill Companies

[https://en.wikipedia.org/wiki/Software\\_engineering](https://en.wikipedia.org/wiki/Software_engineering)

<http://www.indeed.com/q-Software-Engineer-Warehouse-Management-System-jobs.html>

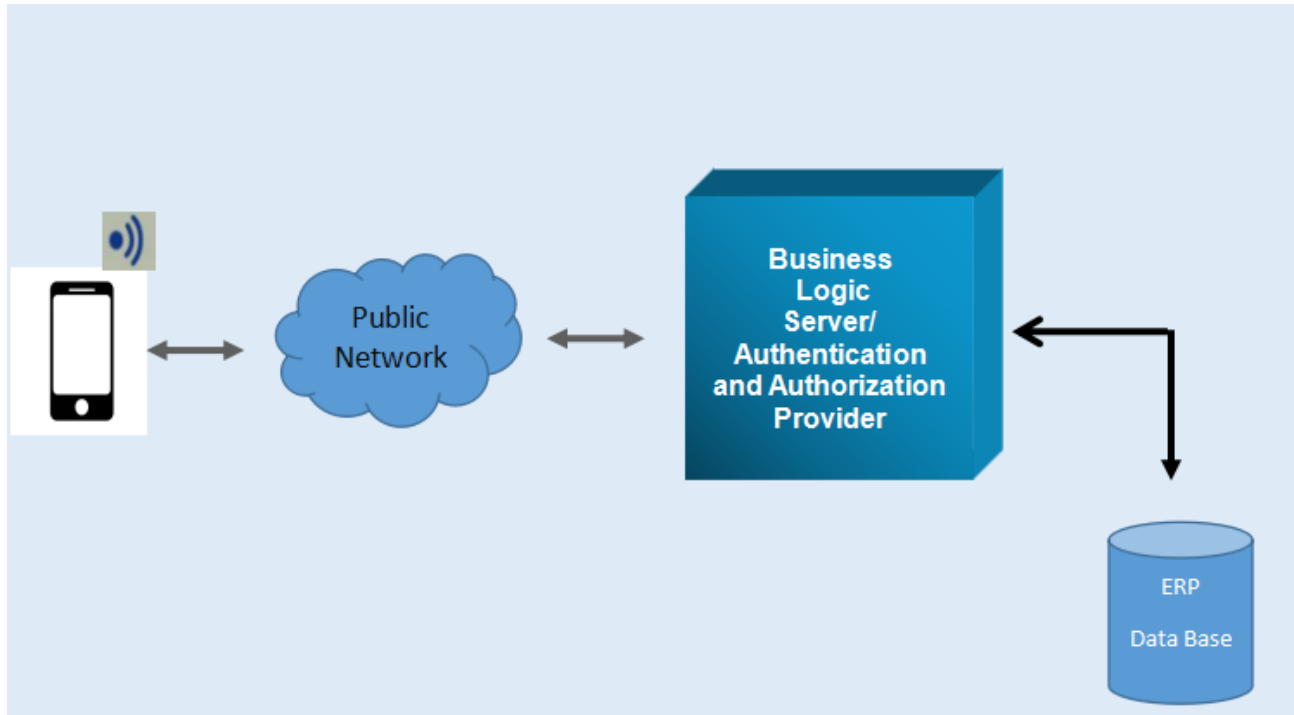
<http://www.zulily.com/careers/position/152811>

<http://www.zulily.com/careers/position/152772>

## 2. Overall Description

### 2.1 Product Perspective

*This product which are handling developing all together a new platform as per requirements of the client which he has mentioned according to the responsive user. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two.*



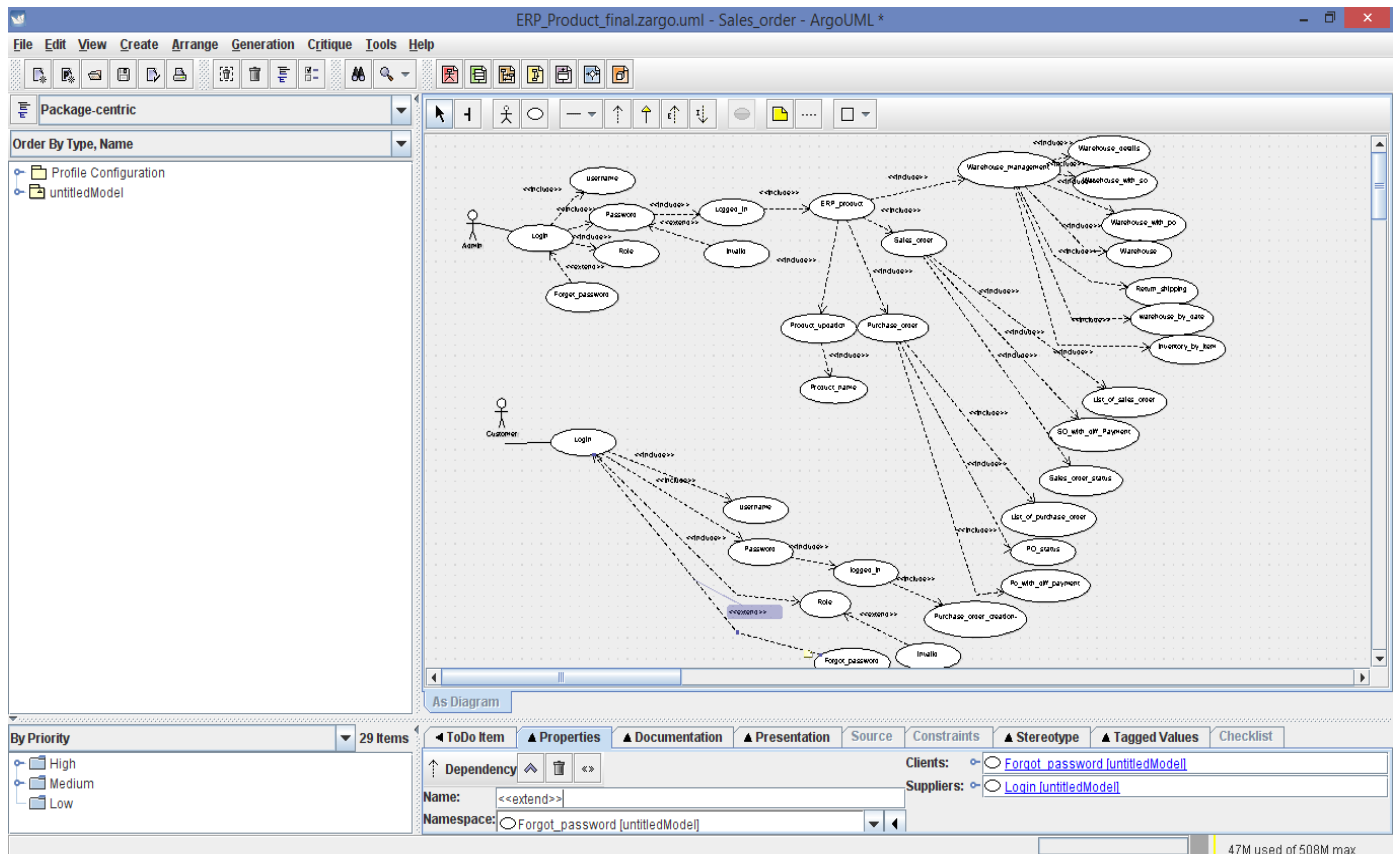
### 2.2 Product Functions

*Mobile Application interacts with the Business Logic Server for making the requests to read and write into the Database.*

*It can be a local Database or Corporate Database.*

*Business Logic Server provides REST based services for interaction with the Database .*

### 2.3 User Classes and Characteristics



## 2.4 Operating Environment

- 1) Install latest version of JDK.

Follow the procedure from below link and install latest JDK.

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

- 2) Install Eclipse

Install Eclipse from the <https://eclipse.org/>

- 3) Install Android Development Tools with Eclipse.

There are many sites which offer this procedure. One can google and find easily. Here are some links for reference.

<http://www.theserverside.com/tutorial/Step-by-step-guide-to-Android-development-with-Eclipse>

<https://www.ibm.com/developerworks/opensource/tutorials/os-eclipse-android/>

Alternately, one can develop using Android Studio also. If you are following Android Studio then Eclipse is not required. It is up to the developer choice.

- 4) Install Phone Gap.

Phone Gap is one of the popular tool which provides framework for developing Hybrid Mobile applications. This tool provides space for web view development and also provides all Phone features APIs.

*Adobe has taken over the PhoneGap. If you are planning to market your app by placing in Appstores then you need to pay some money to Adobe whenever you are placing the app in appstore.*

*There are many links available on google. You can follow anyone of those and install the PhoneGap framework.*

*Following are some of the links.*

*<https://www.npmjs.com/package/phonegap>*

*<http://docs.phonegap.com/getting-started/1-install-phonegap/cli/>*

*5)Install chrome or firefox browser*

*6)System should ave Windows 6 and above*

*7)It is compatible for IOS 6 and above*

## **2.4 Design and Implementation Constraints**

*The ERP application for Ware House Management is used by the staff, project managers, marketing staff, users and testers,developers.It is a Relational Database.The ERP products features, Supply chain and Purchase order screens are typically in Tabular of Graphical forms*

## **2.5 User Documentation**

*1)SRS documents*

*2)Functional Requirements*

## **2.6 Assumptions and Dependencies**

*List of assumed factors*

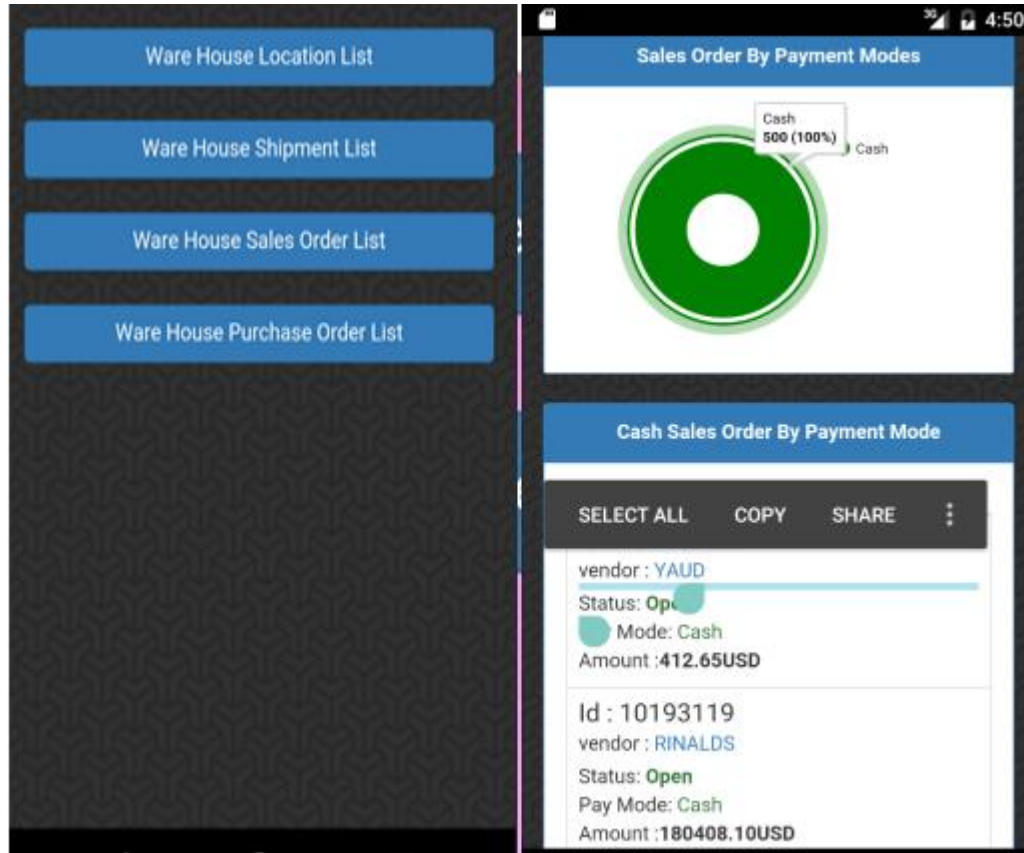
*1)Stake holders change based on discussions*

*2)So there is no fixed stalk*

*3)Process keep on changing*

### **3. External Interface Requirements**

#### **3.1 User Interfaces**



#### **3.2 Hardware Interfaces**

*Use Responsive UI (google for more information) so that the screens developed should be able to display in all kinds of devices like SmartPhones, Tablets and Amazon Kindle.*

#### **3.3 Software Interfaces**

- 1)Phone Gap-Hybrid application
- 2)UI-user interface

### **4. System Features**

#### **4.1 System Feature 1**

1. *Develop Graphical reports.*

## **2. User Responsive UI.**

### **4.1.1 Description and Priority**

- 1) Building of Hybrid Application
- 2) Installation of Phone Gap
- 3) Responsive UI

## **5. Other Nonfunctional Requirements**

### **5.1 Software Quality Attributes**

- 1) Availability
- 2) Reliability
- 3) Performance
- 4) Robustness

## **6. Other Requirements**

*Develop and Test the following features*

- i) Purchase Order Creation from Mobile Application.*
- ii) View List of Purchase Orders*
- iii) Delete and Update the Purchase Orders*
- iv) Sales Order Reports*
- v) Warehouse Management Reports*

## **Appendix A: Glossary**

- 1) ERP-Enterprise Resource Planning*
- 2) UI-User Interface*
- 3) API-Application Protocol Interface*