Software Requirement and Design Document

[Transport Management System]

Version 1.0 ● [Date of Creation]

Software Requirement and Design Document

[Your Software Name]

Version 1.0 ● [Date of Creation]

Preparation & Edition History

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| **Name** | **Date** | **Reason for Change** | **Version** |
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**Approval History**

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1. **INTRODUCTION**
   1. **Objectives**

This section should describe the objective of the project that will be implemented in the customer side. The objective can be list down or presented in a tabular form.

* 1. **Design Concept**

This section will describe the functionality that may be the key strength of the developed software. Some main design concept that could be highlight such as:

1. User friendly
2. Design followed international standard
3. Realtime data manipulation
   1. **Modules**

This section shall describe the list of module that your software might have. This section could be describe in a hierarchical diagram to show parts of the software for better understanding of the list of module in the software

* 1. **Development Environment**

1. **Hardware Requirements.**

This section only details the hardware required to run the base Oracle Transportation Management application. It does not take into account additional Oracle Transportation Management components or third-party components and it is not a configuration for high volume or complex or complex implementations. To determine the correct configuration for the production, test and development environments, should work with the hardware and/or implementation consultants.

**Web user**

You must have a computer capable of running one of the supported browsers. Many factors will affect the performance experience of the end-user,including: CPU type & speed; operating system version; available memory; hard drive speed; network card speed, and network bandwidth between the browser and the web server.

**Test and Development Servers**

* Combined Web & App: 2 x 3.0 GHz dual-core Xeon CPU, 6 GB RAM, 40 GB disk

**Production and Development Servers**

* Web Server: 2 x 2.5 GHz quad-core Xeon CPU w/ 18 MB cache, 6 GB RAM, 80 GB disk
* Application Server: 2 x 2.5 GHz quad core Xeon CPU w/ 18 MB cache, 8 GB RAM, 80 GB disk

1. **Software Requirements for Oracle Transportation Management Server Configurations**

* 64-bit Windows Server 2008 R2 Enterprise x64 Edition with the latest Service Packs, OR
* 64-bit Windows Server 2008 Standard Edition with the latest Service Packs
* Oracle 11gR2 (11.2.x) Database Enterprise Edition
* Oracle Weblogic Server Standard Edition 11gR1 (10.3.3.x)
* Integration Server – EAI solution (optional)

The following software is distributed with Oracle Transportation Management:

* Apache Web Server 2.2.16
* Tomcat Java Servlet Server 6.0.18
* OpenSSL 0.9.8o
* Zlib 1.2.3
* 64-bit JRockit JDK 1.6.0\_20(R28.0.1)
* Python 2.4.2

1. **[YOUR SOFTWARE NAME]**
   1. **Functions**

This section shall describe the function your software. You may present your information in the form of list

* 1. **Modules Detail**

This section shall describe the detail information of the potential modules in your software. This information must be tally with the information in **section 1.3**. You may describe the main functionality of each modules in the form of diagram

* 1. **System Flow Diagram**

This section shall describe how each module interacts with each other and the users that will be interacting with those modules. This section may be shown in the form of a diagram including and explanation for the diagram

* 1. **Use-case Diagram**

Include your software use-case diagram

* 1. **Context Diagram**

Include your software context diagram

* 1. **Data Flow Diagram (DFD)**

Include your software data flow diagram level-0

* 1. **User Interface**

This section shall describe your software screen design concept. You may include drawing and design using specific tools that are mention in section 1.4. You must at least show your design for the following:

* + 1. Your main page
    2. Data creation transaction page
    3. Data update transaction page
    4. Displaying report for critical information in your software
    5. Etc.

**3.0 CONCLUSION**

This section shall describe the conclusion of the whole document. You may include information such as lesson learn, product improvement and potential market for the developed software