

*AD Store Contracts*

Concept Document

Version Number: 1.0

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General Information

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| **Submission Date** | *03/29/2012* |
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# Overview

## Business Background

# AlexDobrodey Store (AD Store) is a small, Minsk-based automobile racing parts brick and mortar and mail order organization. AD Store will remain small in order to offer unprecedented customer attention. AlexDobrodey Store will become the premier destination for entry level and novice racing parts.

# AD Store needs system of tracing signed contracts all over the world. Also this system will keep information about customers.

## Benefit

# With new system of tracing, top-managers of AlexDobrodey Store could find information about contracts signed in the context of days, weeks or month, information about customers, their countries, and, as well, popular products.

# Requirements

## Business Requirements

# Simple search contracts;

# View the details about the contract;

# Registration for customers;

# An easy way to add tape products for suppliers;

# Ability to update and remove products from the database;

## Technical Requirements

# Open source and/standards compliant

# Well-supported

# High availability/reliability

# Scaleable to >150 clients

# Not burdensome supporting <50 clients

# Multi-factor: plug-in locally-determined methods

# Logging – minimally, the date, time, source IP, username, remote logging (e.g., to loghost)

# Passwords not stored at all, or at least stored one-way encrypted

# Solution Sketch

## Source Tables structure

## The source is Excel documents with information about signed contracts:

### *Month\_dd\_contracts.xls* – *Storage of Contracts*

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Comment** |
| **Contract\_code** | NUMBER( 10 CHAR ) | contract code |
| **Customer\_code** | VARCHAR2( 60 CHAR ) | customer code |
| **Customer\_Name** | VARCHAR2( 60 CHAR ) | customer First name and Last name |
| **Customer\_Address** | VARCHAR2( 100 CHAR ) |  |
| **Customer\_phone** | NUMBER( 10 CHAR ) |  |
| **Customer\_email** | VARCHAR2( 60 CHAR ) |  |
| **Product\_code** | NUMBER( 10 CHAR ) |  |
| **Time** | DATE&TIME |  |
| **Cost** | NUMBER( 12 CHAR ) |  |
| **Quantity\_Sold** | NUMBER( 4 CHAR ) |  |

### *2. Customers.xls* – *Storage of Customers*

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Comment** |
| **Contract\_code** | NUMBER( 10 CHAR ) | contract code |
| **Customer\_code** | VARCHAR2( 60 CHAR ) | customer code |
| **Customer\_Name** | VARCHAR2( 60 CHAR ) | customer First name and Last name |
| **Customer\_Address** | VARCHAR2( 100 CHAR ) |  |
| **Customer\_phone** | NUMBER( 10 CHAR ) |  |
| **Customer\_email** | VARCHAR2( 60 CHAR ) |  |

### *List\_of\_products.xls* – *Storage of products*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data Type** | | **Comment** | |
| **Product\_code** | | NUMBER( 10 CHAR ) | |  | |
| **Product\_name** | | VARCHAR2( 60 CHAR ) | |  | |
| **Product\_desc** | | VARCHAR2( 60 CHAR ) | |  | |
| **Subcategory\_code** | | NUMBER( 10 CHAR ) | |  | |
| **Subcategory\_name** | | VARCHAR2( 60 CHAR ) | |  | |
| **Subcategory\_desc** | | VARCHAR2( 60 CHAR ) | |  | |
| **Category\_code** | | NUMBER( 10 CHAR ) | |  | |
| **Category\_name** | | VARCHAR2( 60 CHAR ) | |  | |
| **Category\_desc** | | VARCHAR2( 60 CHAR ) | |  | |
| **Product\_selfcost** | | NUMBER( 10 CHAR ) | |  | |

### *List\_of\_Departments.txt – Storage of Departments*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data Type** | | **Comment** | |
| **Department\_code** | | VARCHAR2 ( 10 CHAR ) | |  | |
| **Department\_name** | | VARCHAR2( 60 CHAR ) | |  | |
| **Manager\_name** | | VARCHAR2( 60 CHAR ) | |  | |
| **Phone** | | NUMBER( 10 CHAR ) | |  | |
| **Address** | | VARCHAR2( 200 CHAR ) | |  | |
| **Subcategory\_desc** | | VARCHAR2( 60 CHAR ) | |  | |

### *List\_of\_Currency.txt – Storage of Currencies*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data Type** | | **Comment** | |
| **Currency \_code** | | VARCHAR2 ( 10 CHAR ) | |  | |
| **Currency \_desc** | | VARCHAR2( 60 CHAR ) | |  | |

## Summarize Data Plan

