

**VIETTEL PERU**

**<DEPARTMENT: >**

**<Project name>**

**DATABASE DESIGN**

**Project code:**

**Document code:**

**<Lima, Date>**

**TRACING TABLE**

\*A – Create New, M – Modify, D – Delete

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Day**  **change** | **Position**  **change** | **A\***  **M, EASY** | **Source** | **DISCIPLINE** | **Description change** | **Note** |
| October 15, 2010 | Request change number 1 | A | Dispatch XYZ | PTC, PKH | Content requested to change |  |
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**PAGE**

Founder: <Date>

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Reviewer: <Date>

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# INTRODUCE

## Document Objectives

<This section will provide general information about the document including:

* Purpose of the document.
* Issues covered in the document
* Who reads the document?
* Other descriptions of the scope of the document, limitations…>

## Definition of terms and abbreviations

*<This section will list definitions, or references to other documents, of concepts, terms… >*

| Terms | Define | Note |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table : Terms and definitions

## References

<List all references such as: other system documents, or technical articles…>

|  |  |  |  |
| --- | --- | --- | --- |
| file name | Release date | The source | Note |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## General description

<General description of the database design document, examples of the layout of the document>

# DATABASE

## Data Relational Models

*<Associated Entity Models>*



*<List of tables and brief description>*

|  |  |  |
| --- | --- | --- |
| STT | Table name | Describe |
|  | CustomerMaster |  |
|  | Order | Order made by customer to buy one or more products |
|  | OrderDetail | Detail information of each product in order |
|  | ProductMaster | Contains all products of the store |

## Table <xxx>

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STT | School's name | Data type and length | Nullable | Unique | P/F Key | Default | Describe |
| 01 | xxxCode | int(4) |  | X | P |  | Code of xxx, Auto number |
| 02 | yyyCode | varchar(100) | X |  | F |  | Code of yyy. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

### Constraint

*<Describe primary and secondary keys in this section>*

### Index

*<Describe the index name, table name and column name corresponding to the index here>*

### Trigger

*<Description of trigger name, table name, event and corresponding trigger meaning is here>*

## Store Procedure/Function

*<Description of the system and application-level procedure names, and the input and output of the procedure, enter here>*

## Package

*<Describe the name of the package as a provider and portlet here>*

# DESIGN FILES

*<File List>*

|  |  |  |  |
| --- | --- | --- | --- |
| TT | School's name | File type | Describe |
|  | <File name> | <Fixed length>  <CSV> |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## XXX File

### File structure

<Describe file structure in order of fields>

### Schools

<If CSV File>

|  |  |  |  |
| --- | --- | --- | --- |
| STT | School's name | Structure | Describe |
|  |  | <special format such as date “mm/dd/yy”> |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

<If file is fixed length>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| STT | School's name | Format | Begin | Last | Describe |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# US DESIGN

<Design the structure of the code for example Customer Code, Product code if these codes are complex and meaningful. These codes are fields in a database or file.>

<List of codes>

|  |  |  |
| --- | --- | --- |
| STT | Code | Describe |
| 01 | Customer code | Code of customer in the system. |
|  |  |  |
|  |  |  |
|  |  |  |

## Customer Code

*<Customer code must follow the form AAAMMYYYY000 in it*

*AAA: 3 required characters used to identify the province/city. Example HAN: Ha Noi, DAN: Da Nang, HCM: Ho Chi Minh City*

*MM: The month of the user's subscription; from 01 to 12*

*YYYY: User's registration year; 4 characters: eg. 2004*

*000: Is an incrementing number starting from 0; Each customer has a number: “000”; “001”*

*Example of a customer code: HAN121999001>*

# <PHYSICAL DESIGN>

*<This section can be split into a separate document>*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| STT | Tablespace | Data files | Size | Self-expanding | Max Size | Describe |
|  | VSA | /u01/oracle/product/10.2.0/dbs/VSA.DBF | 24M | YES | 2048M | VSA data storage |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STT | Table name | Tablespace | Is it Partition or not? | Partition condition |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# APPENDIX

## Data format icon

Below are the symbols used to describe the data format in files and tables.

|  |  |
| --- | --- |
| Symbol | description |
| # | Number. |
| . | Decimal separator. |
| , | Separate thousands. |
| : | Time separation. |
| / | Date separator. |
| \ | See the next character in the string as optional. Allow the use of characters #, &, A , ? for options. |
| > | Convert all characters to uppercase. |
| < | Convert all characters to lowercase. |
| A | Letters are required. For example: a – z, A – Z, or 0 – 9. |
| a | Optional letters may or may not be present. |
| 9 | Numbers required to be entered. For example: 0 – 9. |
| 0 | Optional catch digit. For example: 0 – 9. |
| OLD | Characters or spaces (optional). Valid values here are ANSI characters with codes 32-126 and 128-255. |
| & | Characters (required). Valid values here are ANSI characters with codes 32-126 and 128-255. |
| ? | Alphabet. For example: a – z or A – Z. |
| Literal | All other icons are displayed as they are. |