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| detail of persons hands with scissors, markers, workingDATABASE  DOCUMENTATION |

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Contents

[1. Purpose 4](#_Toc151415711)

[1.1 Document Objectives 4](#_Toc151415712)

[1.2 Intended Audience 4](#_Toc151415713)

[1.3 Acronyms and Abbreviations 4](#_Toc151415714)

[1.4 Key Personnel 5](#_Toc151415715)

[1.5 Data Owners 5](#_Toc151415716)

[2. DATABASE WIDE DESIGN DECISIONS 6](#_Toc151415717)

[2.1 Interfaces 6](#_Toc151415718)

[2.2 Key Factors Influencing Design 6](#_Toc151415719)

[2.3 DBMS Platform 6](#_Toc151415720)

[2.4 Security and Availability 6](#_Toc151415721)

[2.5 Performance and Availability Decisions 6](#_Toc151415722)

[3. DATABASE ADMINISTRATIVE FUNCTIONS 7](#_Toc151415723)

[3.1 Responsibility 7](#_Toc151415724)

[3.2 Database Identification 7](#_Toc151415725)

[3.3 Application/Systems Using the Database 7](#_Toc151415726)

[3.4 Relationship to Other Databases 8](#_Toc151415727)

[3.5 Schema Information 8](#_Toc151415728)

[3.6 Schema Description 8](#_Toc151415729)

[3.7 Data Formats 8](#_Toc151415730)

[3.8 Business Rules 8](#_Toc151415731)

[3.9 Backup and Recovery 8](#_Toc151415732)

[4. REPORTING REQUIREMENTS 9](#_Toc151415733)

[5. aPPENDIX 10](#_Toc151415734)

# Purpose

The Database Design Document maps the logical data model to the target database management system with consideration to the system’s performance requirements. The Database Design converts logical or conceptual data constructs to physical storage constructs (e.g., tables, files) of the target Database Management System (DBMS).

## Document Objectives

The Database Design Document has the following objectives:

* To describe the design of a database, that is, a collection of related data stored in one or more computerized files that can be accessed by users or computer developers via a DBMS.
* To serve as a basis for implementing the database and related software units. It provides the acquirer visibility into the design and provides information necessary for software development.

## Intended Audience

This document is intended for the following audiences:

* 1. Technical reviewers, who must evaluate the quality of this document.
  2. Developers including:
  + Architects, whose overall architecture design must meet the requirements specified in this document.
  + Designers, whose design must meet the requirements specified in this document.
  + Developers, whose software must implement the requirements specified in this document.
  + Quality Assurance personnel, whose test cases must validate the requirements specified in this document.

## Acronyms and Abbreviations

|  |  |
| --- | --- |
| ACRONYM/ABBREVIATION | MEANING |
| RDMS | Relational Database Management System |
| DBA | Database Administrator |

## Key Personnel

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Email Address | Phone Number |
| DBA | Emmanuel Ngongo | [emmanuelngongo2@gmail.com](mailto:emmanuelngongo2@gmail.com),  emmanuelngongo@gmail.com | +27787712868 |
|  |  |  |  |
|  |  |  |  |

## Data Owners

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Data | Name | Email Address | Phone Number |
| N/A | N/A | N/A | N/A |
|  |  |  |  |
|  |  |  |  |

# DATABASE WIDE DESIGN DECISIONS

## Interfaces

## Key Factors Influencing Design

## DBMS Platform

## Security and Availability

## Performance and Availability Decisions

# DATABASE ADMINISTRATIVE FUNCTIONS

## Responsibility

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Email Address | Phone Number |
| DBA | Emmanuel Ngongo | [emmanuelngongo2@gmail.com](mailto:emmanuelngongo2@gmail.com),  emmanuelngongo@gmail.com | +27787712868 |
| System Administrator |  |  |  |
| Security Administrator |  |  |  |

## Database Identification

|  |  |  |
| --- | --- | --- |
| Element | Element Name | Description |
| db\_onlinegrocer | Database name | The database’s name when it was originally created |
| db\_path | Database path | The full path to where the database is stored on the system. |
| db\_locations | Database Location | The location of the database in relation to the application. |

## Application/Systems Using the Database

|  |  |  |
| --- | --- | --- |
| Applications | Model | Version |
|  |  |  |
|  |  |  |
|  |  |  |

## Relationship to Other Databases

## Schema Information

## Schema Description

|  |  |
| --- | --- |
| Script | Description |
|  |  |
|  |  |

## Data Formats

## Business Rules

|  |  |
| --- | --- |
| Business Rule | Implemented |
|  |  |
|  |  |

## Backup and Recovery

# REPORTING REQUIREMENTS

# aPPENDIX