Sunward Portal Management System

DOCUMENT INFORMATION

Prepared by	Appcentric Technologies
Client	Sunward
Project Name	Sunward Portal Management System
Prepared by	Sakthi Kumar
Module Name	Application Settings Module
Pages	6

Disclaimer and Confidentiality Statement

This document is a technical reference prepared by Appcentric Technologies for the Sunward Portal Management System project. It provides detailed information on the system architecture, technical approach, implementation methodology, and related technical specifications.

This document is confidential and is intended solely for the internal use of the authorized technical team of Sunward.

No part of this document may be copied, modified, distributed, or disclosed to any third party without prior written approval from Appcentric Technologies.

AppCentric Technologies

Table of Contents

Sunward Portal Management System 1

1. Project Overview 3
2. Objectives 3
3. System Modules & Key Functions 3
4. Functional Components 4

4.1 Application Master Screen(UI) 4

4.2 Application Master Parent Screen 4

5. Database Structure (Detailed Explanation) 4
6. Business Logic 6
7. Summary 6

AppCentric Technologies

1. Project Overview

The Application Settings module manages configurable master data used throughout the system, including Application Master and Application Master Parent. These masters support classification, grouping, and operational metadata essential for multiple functional modules.

2. Objectives

The primary objective of the Application Settings Module is to centralize and standardize system-wide master data, ensuring consistency, accuracy, and controlled access across all modules.

3. System Modules & Key Functions

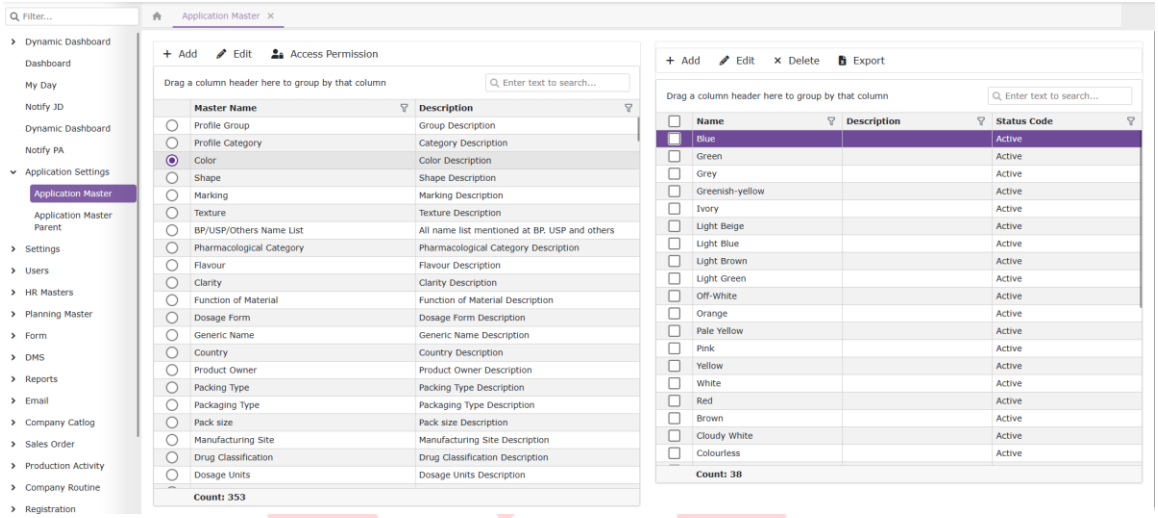
Module	Description	Key Users
Application Master	Stores category-level metadata	All Users
Application Master Parent	Stores sub-category items corresponding to each master.	All Users

AppCentric Technologies

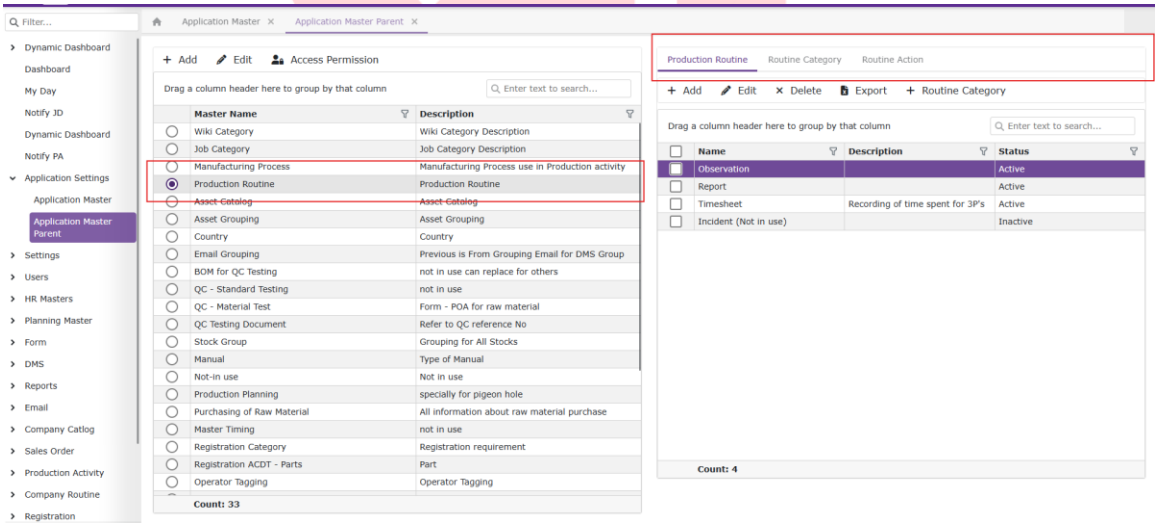
4. Functional Components

- Application Master: Allows users to view, add, edit, and manage master categories.
- Application Master Parent: Displays child items linked to selected master.
- Access Permission: Controls who can manage or update the master data.

4.1 Application Master Screen (UI)



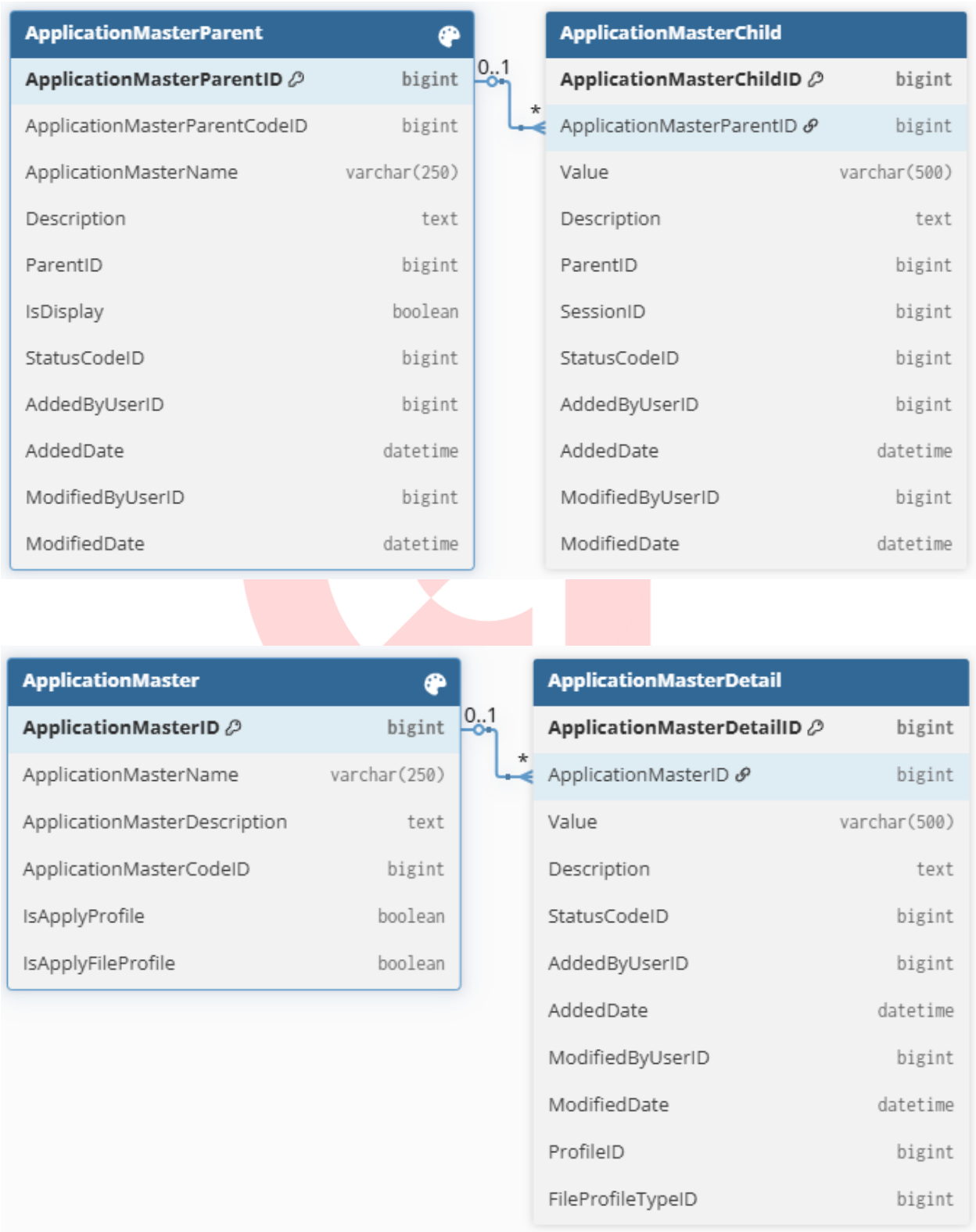
4.2 Application Master Parent Screen



5. Database Structure (Detailed Explanation)

The Application Settings Module uses two core tables to maintain hierarchical master data:

1. Application Master
   - Stores top-level master categories.
   - Columns: ApplicationMasterID, ApplicationMasterName, Value ,Description, StatusCode.
2. Application Master Parent


ApplicationMasterParent
ApplicationMasterParentID bigint
ApplicationMasterParentCodeID bigint
ApplicationMasterName varchar(250)
Description text
ParentID bigint
IsDisplay boolean
StatusCodeID bigint
AddedByUserID bigint
AddedDate datetime
ModifiedByUserID bigint
ModifiedDate datetime
0..1
*
ApplicationMasterChild
ApplicationMasterChildID bigint
ApplicationMasterParentID bigint
Value varchar(500)
Description text
ParentID bigint
SessionID bigint
StatusCodeID bigint
AddedByUserID bigint
AddedDate datetime
ModifiedByUserID bigint
ModifiedDate datetime
ApplicationMaster
ApplicationMasterID bigint
ApplicationMasterName varchar(250)
ApplicationMasterDescription text
ApplicationMasterCodeID bigint
IsApplyProfile boolean
IsApplyFileProfile boolean
0..1
*
ApplicationMasterDetail
ApplicationMasterDetailID bigint
ApplicationMasterID bigint
Value varchar(500)
Description text
StatusCodeID bigint
AddedByUserID bigint
AddedDate datetime
ModifiedByUserID bigint
ModifiedDate datetime
ProfileID bigint
FileProfileTypeID bigint

6. Business Logic

- Selecting a master loads all corresponding parent items.
- Add/Edit/Delete actions update ApplicationMaster or ApplicationMasterParent tables.
- Access Permissions define which users can modify specific masters or parent items.
- StatusCode controls whether an item is active or inactive in system-wide dropdowns.

7. Summary

The Application Settings module centralizes and standardizes all master data used throughout the Sunward Portal Management System. It provides a structured mechanism for managing key classifications, operational parameters, and reference values that support various functional modules across the platform. By organizing data into **Application Master** (main categories) and **Application Master Parent** (sub-categories), the module ensures consistency, integrity, and ease of maintenance.

This module enables authorized users to add, edit, update, and deactivate master records while enforcing strict access permissions to maintain data accuracy and prevent unauthorized modifications. The interaction between the master and parent records ensures that all dependent modules—such as Production, QC, HR, and Sales—receive consistent and validated data without redundancy.

With its simple UI design, two-pane structure, and role-based controls, the Application Settings module streamlines master data administration and ensures that operational modules rely on a single source of truth. This maintains system-wide standardization, reduces operational errors, and enhances overall data governance across the organization.

AppCentric Technologies