

# Sunward Portal Management System

## DOCUMENT INFORMATION

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Project Name	Sunward Portal Management System
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Module Name	Internal Application Module
Pages	7

### 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.

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## 1. Project Overview

The Internal Permission module manages the portal's sitemap, menu structure and access control. It allows administrators to create hierarchical navigation using Sitemap and Menu items, each linked to Page URLs that load dynamically inside an iframe.

## 2. Objectives

- Build tree-structured sitemap groups.
- Add menu items with URL mapping.
- Control user/role permissions.
- Load content dynamically using iframe URL.

## 3. System Modules & Key Functions

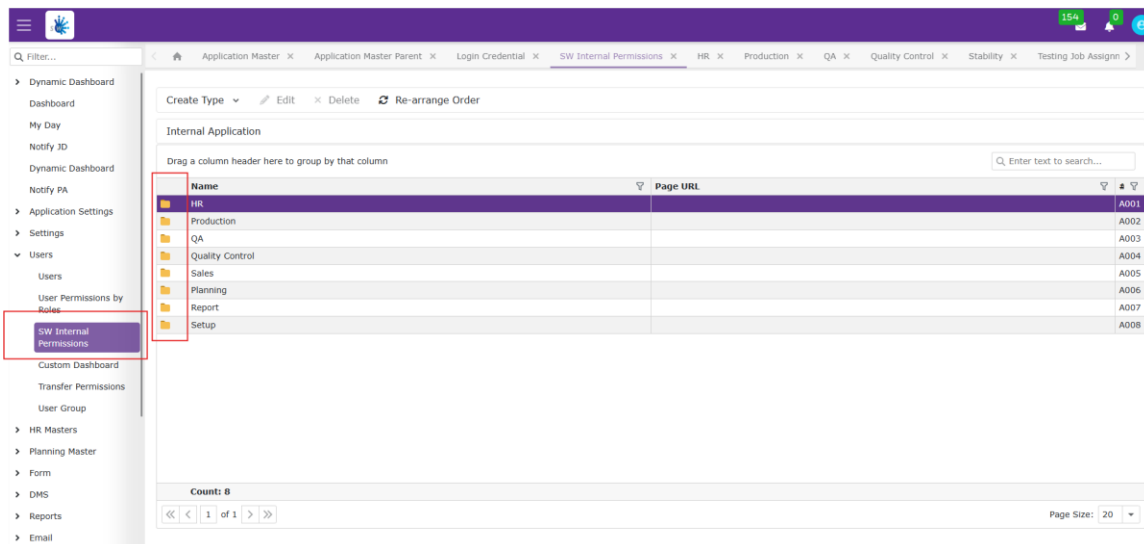
Module	Description	Key Users
Sitemap Management		All Users
Menu Management		All Users
Role Permissions		Administrator
iframe Content Loader	.	All Users

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## 4. Functional Components

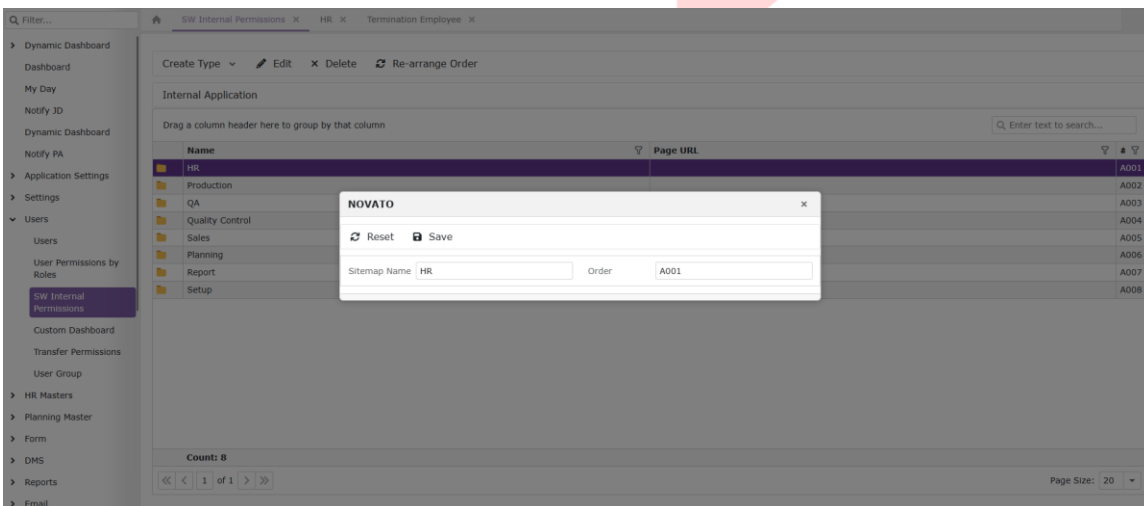
- Add Sitemap: Creates top-level folder node.
- Add Menu: Creates sub-menu item under sitemap.
- Edit/Delete: Modify or remove existing entries.
- Re-arrange Order: Adjust display sequence.
- Page URL Mapping: Determines which page loads inside iframe.

### 4.1 Internal Permissions Main View (UI)



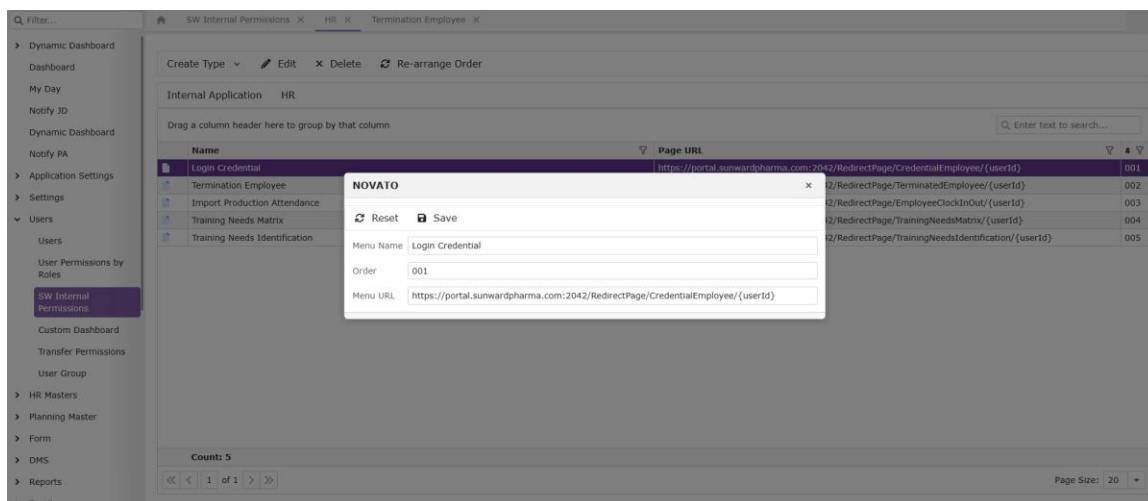
The screenshot displays the 'Internal Permissions Main View (UI)'. The interface includes a sidebar with navigation options such as 'Dynamic Dashboard', 'My Day', 'Notify JD', 'Dynamic Dashboard', 'Notify PA', 'Application Settings', 'Settings', 'Users', 'User Permissions by Roles', 'SW Internal Permissions' (highlighted), 'Custom Dashboard', 'Transfer Permissions', 'User Group', 'HR Masters', 'Planning Master', 'Form', 'DMS', 'Reports', and 'Email'. The main content area shows a table of internal applications with columns for 'Name', 'Page URL', and 'ID'. The table lists applications like HR, Production, QA, Quality Control, Sales, Planning, Report, and Setup. A top bar contains search and filter controls, and a bottom bar shows pagination and page size settings.

### 4.2 Add Sitemap Modal



The screenshot displays the 'Add Sitemap Modal' overlaid on the 'Internal Permissions Main View (UI)'. The modal is titled 'NOVATO' and contains a form with two input fields: 'Sitemap Name' (containing 'HR') and 'Order' (containing 'A001'). There are 'Reset' and 'Save' buttons. The background shows the same table of internal applications as in the previous screenshot.

## 4.3 Add Menu Modal



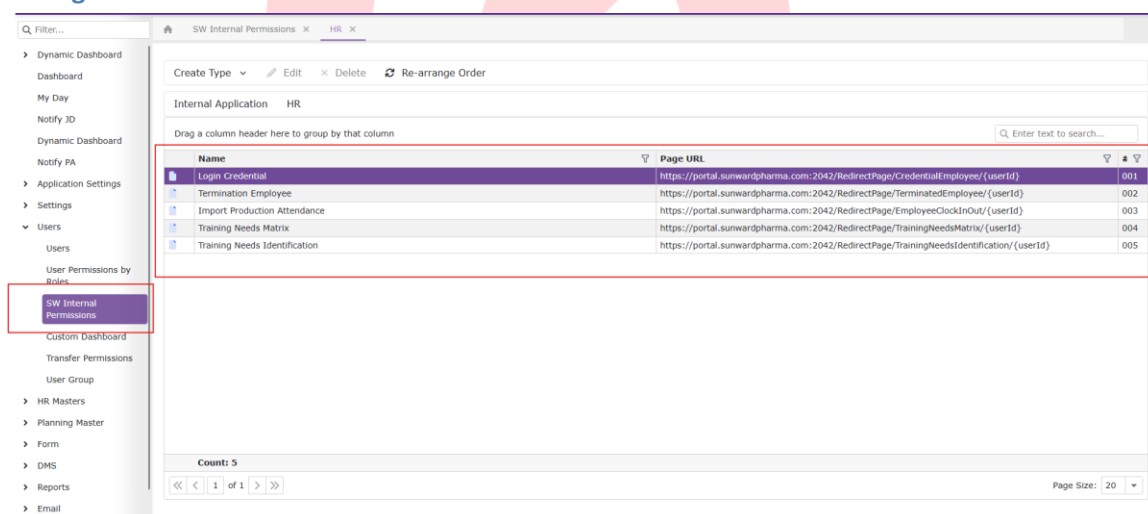
The screenshot shows the 'Add Menu Modal' for 'NOVATO'. The modal has the following fields:

- Menu Name: Login Credential
- Order: 001
- Menu URL: https://portal.sunwardpharma.com:2042/RedirectPage/CredentialEmployee/{userId}

The background table lists menu items with the following data:

Name	Page URL	
Login Credential	https://portal.sunwardpharma.com:2042/RedirectPage/CredentialEmployee/{userId}	001
Termination Employee	https://portal.sunwardpharma.com:2042/RedirectPage/TerminatedEmployee/{userId}	002
Import Production Attendance	https://portal.sunwardpharma.com:2042/RedirectPage/EmployeeClockInOut/{userId}	003
Training Needs Matrix	https://portal.sunwardpharma.com:2042/RedirectPage/TrainingNeedsMatrix/{userId}	004
Training Needs Identification	https://portal.sunwardpharma.com:2042/RedirectPage/TrainingNeedsIdentification/{userId}	005

## 4.4 Menu Page URL List



The screenshot shows the 'Menu Page URL List' table. The table has the following data:

Name	Page URL	
Login Credential	https://portal.sunwardpharma.com:2042/RedirectPage/CredentialEmployee/{userId}	001
Termination Employee	https://portal.sunwardpharma.com:2042/RedirectPage/TerminatedEmployee/{userId}	002
Import Production Attendance	https://portal.sunwardpharma.com:2042/RedirectPage/EmployeeClockInOut/{userId}	003
Training Needs Matrix	https://portal.sunwardpharma.com:2042/RedirectPage/TrainingNeedsMatrix/{userId}	004
Training Needs Identification	https://portal.sunwardpharma.com:2042/RedirectPage/TrainingNeedsIdentification/{userId}	005

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## 4.5 Iframe Load Page Example

Q Filter...

SW Internal Permissions x HR x Termination Employee x

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Home > Terminated Employee

Terminated Employee

+ Add Edit Delete Export

Q Enter text to search...

<input type="checkbox"/>	Application No	Name	Job Title	Department	Date Terminated	Last Modified Date
<input checked="" type="checkbox"/>	TRM00199	SWMY - Razak - Ab Razak Bin Ab Manap	Cleaner	Maintenance Department	13/11/2025	13/11/2025
<input type="checkbox"/>	TRM00198	SWMY - Rozzi - Masrozi Binti Ramli	Lab Technician	RND Department	13/11/2025	13/11/2025
<input type="checkbox"/>	TRM00197	SWMY - ELYA - ELYA RAFIKAH BINTI ZAHARIN	Osd-Secondary Packing	Production Department	12/11/2025	13/11/2025
<input type="checkbox"/>	TRM00196	SWMY - UKAIL - UKAIL BIN MOHD NOOR	Operator - GL Primary Packing	Production Department	12/11/2025	12/11/2025
<input type="checkbox"/>	TRM00195	SWMY - IQBAL - MUHAMMAD IQBAL BIN SABARUDIN	Operator - GL Primary Packing	Production Department	13/11/2025	11/11/2025
<input type="checkbox"/>	TRM00194	SWMY - NADHIRAH - NUR NADHIRAH BINTI WASLI	Lab Technician - R&D	RND Department	07/11/2025	07/11/2025
<input type="checkbox"/>	TRM00193	SWMY - SITI KHADIAH - SITI KHADIAH BINTI NASIR	Lab Technician - R&D	RND Department	07/11/2025	07/11/2025
<input type="checkbox"/>	TRM00192	SWMY - Rubie - Muhammad Rubie Amir Bin عثمان	Junior Lab Technician	Quality Control Department	07/11/2025	07/11/2025
<input type="checkbox"/>	TRM00191	SWMY - Abriza - Abriza BT	Purchasing Executive	Purchasing Department	06/11/2025	06/11/2025

## 5. Database Structure (Detailed Explanation)

Recommended database tables:

### 1. Sitemap:

- SitemapID (PK)
- Name
- ParentID
- OrderNo
- StatusCode

### 2. MenuItems:

- MenuID (PK)
- SitemapID (FK)
- Name
- PageURL
- OrderNo
- StatusCode

### 3. Permissions:

- PermissionID (PK)
- MenuID (FK)
- RoleID/UserID
- CanView
- CanEdit

## 6. Business Logic

- Sitemap builds top-level hierarchy.
- Menu items linked to sitemap load content.
- Permissions restrict menu visibility.
- iframe loads PageURL dynamically.

## 7. Iframe Landing Page Integration

The iframe loads the PageURL stored in database:

```
<iframe id="contentFrame" src="@iframeUrl" onload="IframeLoaded()" width="100%"  
style="height: calc(100vh - 152px);"></iframe>
```

## 8. Security & Permissions

- URL validation
- Role-based access
- Enforce menu visibility rules

## 9. Summary

The Internal Application module provides a structured and secure method for managing sitemap navigation, menu items, and iframe-based content loading.

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