**Danial Dadmohammadi**

**[D365 finance and operations]  ARADA**

**Technical design document**

**for**

**IT-402 |** **Color code correction for Artal by adding the name**

**Revision and Signoff Sheet**

**Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Change reference |
| 11/9/2023 | Danial Dadmohammadi | 1.0.0 | Task 402: Color code correction for artal by adding the name. |

**Reviewers**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Version reviewed | Position | Date |
| Nagendra Chitturi | 1.0.0 | Solution Architect |  |

**Approvers**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Version reviewed | Position | Date |
| Awad | 1.0.0 | Senior Manager – Enterprise solutions |  |

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1. Overview

## Objective

## Adding a new field to the mentioned form in order to display the all product dimension name in the PO line level

## References

|  |  |  |  |
| --- | --- | --- | --- |
| ZOHO ID | Manage Engine ID | Description | Owner |
| POS-T128 | -- | Color code correction for artal by adding the name | Danial, Nagendra |

## Purpose and Overview

At the PO line level, we need to add the all dimension name in the product tab. Actually, when the user wants to assign a new product to PO line, he/she should be able to select the product dimension based on its name. Currently, only the dimension ID shows to the user. This development would help the user to choose the right product dimension using the dimension name for all 4 dimension like size, color, configuration and style.

## Requirement Overview

*Selecting a proper product dimension due to the similarity of the dimension IDs.*

## Solution Overview

* Since we have already dimension ID in the mentioned form, In order to add the dimension name, we have to add some changes on the form structure. As a first step, we should consider a new field as a dimension name in the form UI. Then, we can add some logics to the form method to consider that as a new lookup column.
* Next, we should take the new field as a new form element in the form method “addInventDimensionMetadata”. Actually, with overriding of this method, we call the new form element in the routine form running. This change help us to consider the new element as a new column in the lookup.
* The last step and the main one, is addressing to the form data source where the data come from. In this stage, we override the “InventDim” table. One of the form data source, to add a display method in order to show the all dimension name such as size, color, config and style name.
* Display method should cover the whole 4 dimensions name. So, we use the “Switch-Case” statement to address to all of them. Obviously, we select some logics using some table joins to fetch any of the dimension name

Following are the objects that are involved in the development process.

Soloution name: ARColorNameforArtalPOline

Project name: ARColorNameforArtalPOline

**Classes:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| ARInventProductDimensionLookup\_Extension | A class for override the form method |
| ARInventDim\_Extension | A class for adding a display method to the “InventDim” table |

**Form Extensions:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| InventProductDimensionLookup.ISLDEV | Adding a new field on the form as a dimension name |

### 

### Security design

## Security Roles

|  |  |  |
| --- | --- | --- |
| **Name** | **Duties** | **Addl Remarks** |
| -- | -- | -- |

## Duties

|  |  |  |
| --- | --- | --- |
| **Name** | **Privileges** | **Addl Remarks** |
| -- | -- | -- |

## Privileges

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Entry Points** | **DATA entity permission** | **Access Level** | **Addl Remarks** |
| -- | -- | -- | -- | -- |

## Process Cycles

|  |  |  |
| --- | --- | --- |
| **Name** | **Duties** | **Addl Remarks** |
| -- | -- | -- |