

IRI Single Word Name Filtering Requirement Document

International Registries, Inc.

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**Document Information**

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**Table of Contents**

[Overview 4](#_Toc71314423)

[Business Requirements 4](#_Toc71314424)

[Filtering Logic 4](#_Toc71314425)

[Example 5](#_Toc71314426)

# Overview

International Registries, Inc. (IRI) is using Oracle Watch List Screening Solution. Oracle has implemented the Watchlist Management and Watchlist Screening (3 bucket solution) Solutions. Inspirage is engaged with IRI for development and support of OWS solution. Inspirage is helping with enhancement and optimization of current solution.  
  
Inspirage has been engaged by IRI for requirement gathering and solution design for Single Word Name Filtering. We are modifying the solution of Individual screening to filter the results based on single word name flag using “CustomString13”. Custom string will be used only for Individual Screening and details of Input and Output are mentioned below.

# Business Requirements

In Individual Screening we are getting the matching results based on individual names. The input can be a single or multiple word name and we are getting matching results as output with single or multiple word name. IRI has requirement to filter the Single word name matching results output to single word only. The output can be with or without titles but should be restricted to single word name, For this we are enabling a new custom string to filter single word name results in OWS.

For this requirement, CustomString13 will be configured in Individual Real-time Screening.

CustomString13 will get input as Y or N or Null. Y will filter the results to single word name, N or Null will show all the results - single or multiple word names.

The Asian Name flag filter (CustomString14) will be introduced for single name filtering logic, similar to 2 / 3+ word names.

When the CustomString14 value is “Y” i.e. It is an Asian name, then OWS results should retrieve exact names or similar sounding names.

When the CustomString14 value is “N” or NULL, i.e. the search string is NOT an Asian name, then the OWS results should retrieve names with

* One letter variation
* Phonetic matches
* Names with additional names or aliases

# Filtering Logic

Single word name filtering will work with existing Gender, YOB and DOB filter logic.

CustomString13 will be enabled for Individual Real-time screening.

CustomString13 will have Y or N or Null as valid input values.

If Customstring13 = Y then the results will be filtered for single word names from OWS.

If Customstring13 = N or Null then the results will be single or multiple word names from OWS .

Single word names can include name with titles like DR, MR, MRS,MISS, REV, SHEIKH.

The “Asian Name” flag CustomString14 will work together with “Single Word” filtering logic as shown in the examples.

# Example

Below are the OWS results for individual name IBRAHIM & SURIADI.

**Scenario 1 - IBRAHIM:**

Input

Full Name IBRAHIM

CustomString13 (Single Word Name) N or Null

CustomString14(Asian Name Flag) N

|  |  |  |
| --- | --- | --- |
| Full name | Given Name | Family Name |
| IBRAHIM | IBRAHIM |  |
| IBRAHIMI | RAUF | IBRAHIM |
| SYED IBRAHIM | SYED | SYED |
| DAWOOD KASKAR IBRAHIM | IBRAHIM | IBRAHIM |
| ISMAIL IBRAHIM | ISMAIL | IBRAHIM |
| DR IBRAHIM |  | IBRAHIM |
| SHEIK IBRAHIM | IBRAHIM | SHEIK |

**Scenario 2 - IBRAHIM:**

Input

Full Name IBRAHIM

CustomString13 (Single Word Name) N or Null

CustomString14(Asian Name Flag) Y

|  |  |  |
| --- | --- | --- |
| Full name | Given Name | Family Name |
| IBRAHIM | IBRAHIM |  |
| IBRAHIMI | RAUF | IBRAHIM |
| SYED IBRAHIM | SYED | SYED |
| DAWOOD KASKAR IBRAHIM | IBRAHIM | IBRAHIM |
| ISMAIL IBRAHIM | ISMAIL | IBRAHIM |
| DR IBRAHIM |  | IBRAHIM |
| SHEIK IBRAHIM | IBRAHIM | SHEIK |

**Scenario 3 - IBRAHIM:**

Input

Full Name IBRAHIM

CustomString13 (Single Word Name) Y

CustomString14 (Asian Name flag) N

|  |  |  |
| --- | --- | --- |
| Full name | Given Name | Family Name |
| IBRAHIM | IBRAHIM | IBRAHIM |
| IBRAHIMI | RAUF | RAUF |
| DR IBRAHIM |  | IBRAHIM |
| SHEIK IBRAHIM | IBRAHIM | SHEIK |
| IBHM |  |  |

**Scenario 4 - IBRAHIM:**

Input

Full Name IBRAHIM

CustomString13 (Single Word Name) Y

CustomString14 (Asian Name flag) Y

|  |  |  |
| --- | --- | --- |
| Full name | Given Name | Family Name |
| IBRAHIM | IBRAHIM | IBRAHIM |
| IBRAHIMI | RAUF | RAUF |
| DR IBRAHIM |  | IBRAHIM |
| SHEIK IBRAHIM | IBRAHIM | SHEIK |
| IBHM |  |  |

**Scenario 1 - SURIADI:**

Input

Full Name SURIADI

CustomString13 (Single Word Name) N or Null

CustomString14 (Asian Name flag) N or Null

|  |  |  |
| --- | --- | --- |
| **Given Names** | **Family Name** | **Full Name** |
| AGATA | SAURIDI | AGATA SAURIDI |
|  | SURYADI | SURYADI |
|  | SURADI | SURADI |
|  | SURIYADI | SURIYADI |
| HELIO JOSE | SURDI | HELIO JOSE SURDI |
|  | SURYANI | SURYANI |
| UNTUNG | SURYADI | UNTUNG SURYADI |
|  | SURYADIN | SURYADIN |
| SRI ENDAH | SURYATI | SRI ENDAH SURYATI |
| DIDI | SURYADI | DIDI SURYADI |
| RAMLAN | SURYADI | RAMLAN SURYADI |
| MOHAMED ALI | SERIDI | MOHAMED ALI SERIDI |
|  | SURI | SURI |
|  | SURIYADI | MR SURIYADI |
|  | SURIADI | DR SURIADI |
|  | SURIYATI | SHEIK SURIYATI |

**Scenario 2 - SURIADI:**

Input

Full Name SURIADI

CustomString13 (Single Word Name) N or Null

CustomString14 (Asian Name flag) Y

|  |  |  |
| --- | --- | --- |
| **Given Names** | **Family Name** | **Full Name** |
| AGATA | SAURIDI | AGATA SAURIDI |
|  | SURYADI | SURYADI |
|  | SURADI | SURADI |
|  | SURIYADI | SURIYADI |
| HELIO JOSE | SURDI | HELIO JOSE SURDI |
|  | SURYANI | SURYANI |
| UNTUNG | SURYADI | UNTUNG SURYADI |
|  | SURYADIN | SURYADIN |
| SRI ENDAH | SURYATI | SRI ENDAH SURYATI |
| DIDI | SURYADI | DIDI SURYADI |
| RAMLAN | SURYADI | RAMLAN SURYADI |
| MOHAMED ALI | SERIDI | MOHAMED ALI SERIDI |
|  | SURI | SURI |
|  | SURIYADI | MR SURIYADI |
|  | SURIADI | DR SURIADI |
|  | SURIYATI | SHEIK SURIYATI |

**Scenario 3 - SURIADI:**

Input

Full Name SURIADI

CustomString13 (Single Word Name) Y

CustomString14 (Asian Name flag) N or Null

|  |  |  |
| --- | --- | --- |
| **ns2:ListGivenNames** | **ns2:ListFamilyName** | **ns2:ListFullName** |
|  | SURYADI | SURYADI |
|  | SURADI | SURADI |
|  | SURIYADI | SURIYADI |
|  | SURYANI | SURYANI |
|  | SURYADIN | SURYADIN |
|  | SURI | SURI |
|  | SURIYADI | MR SURIYADI |
|  | SURIADI | DR SURIADI |
|  | SURIYATI | SHEIK SURIYATI |

**Scenario 4 - SURIADI:**

Input

Full Name SURIADI

CustomString13 (Single Word Name) Y

CustomString14 (Asian Name flag) Y

|  |  |  |
| --- | --- | --- |
| **ns2:ListGivenNames** | **ns2:ListFamilyName** | **ns2:ListFullName** |
|  | SURYADI | SURYADI |
|  | SURADI | SURADI |
|  | SURIYADI | SURIYADI |
|  | SURYANI | SURYANI |
|  | SURYADIN | SURYADIN |
|  | SURI | SURI |
|  | SURIYADI | MR SURIYADI |
|  | SURIADI | DR SURIADI |
|  | SURIYATI | SHEIK SURIYATI |