

Asian Name Flag for One Word, Two Word and Three Word Name Matching Requirement Document

International Registries, Inc.

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# 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 for IRI. Inspirage is engaged with IRI for development and support of OWS solution.

For the current requirement, Inspirage has been engaged by IRI for leveraging a custom flag to identify if the input name is Chinese, Asian or Middle Eastern name (referred to as “Asian Name Flag”). The business requirement, details of Input and Output are mentioned below.

# Business Requirements and Filtering Logic – Chinese, Asian and Middle Eastern Names Identifier

New rules have been added to cater to the 3+ word name matching logic as mentioned in the “3 Word Western Name Matching Requirement Document”. These rules retrieve the expected results for Western names. Now we are working to develop matching rules for Chinese, Asian, Middle Eastern names. The recommendation to add a flag as an input parameter to identify the Chinese, Asian and Middle Eastern names has been accepted by IRI. If user passes the Asian flag as ‘Y’ then the older matching rules and newly developed Asian names matching rules will be applicable and if the Asian flag is ‘N’ then the existing Western names matching rules should be applicable.

A flag (CustomString14), called the “Asian Name Flag” was introduced to identify the Western and Asian names as below:

|  |  |
| --- | --- |
| CustomString14 (Asian Name Flag) Value | Denotes |
| Y | Chinese/Asian / Middle Eastern name |
| N / NULL | Western name |

While entering the search criteria, user can provide the value for CustomString14 (Asian Name Flag) depending on the name type and / or whether to suppress the results retrieved by the newly added rules per enhanced 3+ word western name matching logic.

The matching logic should follow the below outlined criteria:

* The Asian Name Flag filter should apply to one-word, two-word, three-word+ input names.
* The combination of filters for “Category Restricted Only”, “Single Name” and “Asian Name Flag” should work together
* Per existing rules, for two- or three or more-words name search with Asian Name Flag = “N” or NULL, names could be with -
  + 2 or more-word names
  + phonetic matches/similar sounding names
  + one letter variations
  + same name with additional names or aliases
* For two words or three words or more words name search with = ‘Y’ the results should retrieve
  + results containing all the input name words (rules will be built for input names of up to 9 words)
  + exact names OR similar sounding names with additional names or aliases

# Example

Below are the sample OWS results for individual name with CustomString14 (Asian Name Flag) value as “Y” and “N” or NULL.

2nd column in the table below shows the expected results when Asian Name flag = “Y”.

Additional names for Asian Name Flag = “N” or NULL is displayed in 3rd column.

|  |  |  |
| --- | --- | --- |
| Input Name | Sample Results with Asian Name Flag) Value = Y | Additional results for Asian Name Flag = N /NULL |
| ABHISHEK KUMAR SINGH | ABHISHEK KUMAR SINGH  ABHISHEKKUMAR SINGH | KUMAD SINGH  HISHEK KUMAR  ABHISHEK KUMAR  ABHISHEK SINGH  KUMAR ABHISHEK  KUMAR SINGH  SINGH ABHISHEK |
| JOSE GONZALEZ | JOSE GONZALEZ  JOSE LUIS GONZALEZ  JOSE ANTONIO GONZALEZ  JOSE ANTONIO GONZALEZ HERNANDEZ  JOSE DE LA ROSA GONZALEZ CALVO  JOSE MANUEL GONZALEZ HERNANDEZ | MAXIMO JOSE GIL GONZALEZ  MICHAEL JOSE GONZALEZ  MICHAEL JOSE GONZALEZ ARRIAGA  JUAN JOSE GONZALES  JOSUE SANTOS GONZALEZ  JOSUE GONZALEZ  JOSE YONATAN GONZALEZ BUENO  JOSE X GONZALEZ |
| JIN WEI ZHANG | JIN WEI ZHANG  JINWEI ZHANG | BIN WEI ZHANG  CHANG LIN WEI  CHANG WEI  CHANG WEI JIN  CHANGJIN WEI  CHENG WEI  JI WEI ZHANG  JIN CHENG  JIN FEI ZHANG  JIN ZHANG  JINGWEI ZHANG  SHANG WEI  WEI CHANG  WEI ZHANG  XIN WEI ZHANG  ZHANG WEI |
| CHEN HU | CHEN HU  CHEN HUI HU  CHEN HU WU  CHENG HU  CHENG HU ZHOU  CHENG GEN HU  HU CHEN | HUA CHEN  CHEN HUI  CHEN HE  CHEN QU  CHEN XU  HUE CHEN |
| MEI WEI | MEI WEI  LI MEI WEI  MEI WAI  MEI LI WAI  MEI WII  WEI MEI  WAI MEI  JIN MEI WEI | WEI LI WEI  FEI WEI |
| IBRAHIM (SINGLE WORD NAME FLAG = Y) | IBRAHIM  IBRAHEM  IBRAHAM  EBRAHIM |  |
| IBRAHIM (SINGLE WORD NAME FLAG = N) | IBRAHIM  IBRAHEM  IBRAHAM  IBRAHIM MALLAH  ALI IBRAHAIM MALLAH |  |