# CloudSpokes Challenge : Apex Metaphone

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Download Jing demo video at: <http://www.4shared.com/document/quDMjMHz/Kyle_Thornton_CloudSpokes_Meta.html>

Install Package link: <https://login.salesforce.com/?startURL=%2Fpackaging%2FinstallPackage.apexp%3Fp0%3D04tE00000000RRf>

Password: cloudspokes

Explanation  
This class includes methods to do the actual metaphone calculation as well as methods to call tools which implement the metaphone calculation. The class also includes functions used by a VisualForce page which serves as a Demo/Toolkit.

Access the page using the relative URL: /apex/pages/Metaphone

## Metaphone Methods

While there are 14 methods in the Metaphone Class, only 4 are for use in triggers and classes. The rest are helpers for the VisualForce toolkit or helpers for the user callable methods.

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| --- | --- | --- | --- | --- |
| **Name** | **Arguments** | **Return Type** | **Description** | **Static or Instance** |
| calculate | String | String | Calculates the metaphone translation of the given string | Static |
| callCalculateObject | String objName  String fieldname  String metaphoneField | String | Given API Names for an Object, field and metaphone field, data is calculated on as many records as possible before governor limits are reached. May need to call multiple times to process all data. | Instance |
| matchingList | String inputString  String objName  String fieldname  String metaphoneField | List<String> | Given api names for the input string, the object to match on, the field name to return and the metaphone field to check, a list of strings from the ‘fieldname’ are returned. | Instance |
| reset | String theFieldToClearString theResetObject | N/A | Give the API names of the field to remove data from and the Object that field is on to clear out the data from that field | instance |