Talk2D365 - D365 Integration with Speech API

* SpeechRecognitionHome.js
  + This script is attached to a Global Ribbon Button (say, a new button, next to advanced find).
  + Monitors the incoming speech. Speech Recognition object and the methods are maintained in this script. transcript of the speech recognition is accessible in the onresult() method.
  + Generates Global Notifications to acknowledge the receipt of the Spoken text
  + Executes Commands on Home Page (List Accounts, Create Lead, Disable Speech Command..)
* SpeechRecognitionMain.js
  + This script is attached to the Entity Main form (Account, Contact ..)
  + Executes Commands on the Entity Main Form (Clear Value, Next, [Text for the field], Select [Display Name of the Field] …
  + Supports creation of related entity records from Main form (“Add Contact” on account would prefill the Account Name on the contact in the new contact form)
* SpeechRecognitionQuickCreate.js
  + This script is attached to the Entity Quick Create form (Account, Contact .. )
  + Executes Commands on the Entity Quick Create Form (Clear Value, Next, [Text for the field], Select [Display Name of the Field] …
* SpeechRecognitionQuickCreate.js
  + This script is attached to the Entity View (Active Accounts, My Contacts, Open .. )
  + Attached to the Entity Home Page Grid button (dummy) to clear items references
  + Keeps track of record index when the Records load in Home Page Grid View.

Below are some of the important methods to focus on, in each of the scripts

* //Speech Recognition: Below is the event triggered once the speech is detected, transcript is the speech recognized [SpeechRecognitionHome.js]
  + recognition.onresult = function (transcript) {}
* //Below would be the ideal starting point to trace how the command is classified and executed [SpeechRecognitionHome.js, SpeechRecognitionMain.js, SpeechRecognitionQuickCreate.js]
  + function ProcessStatement(transcript){}
* //Speech Synthesis : Below is the method to acknowledge end user upon receipt of a command [SpeechRecognitionHome.js, SpeechRecognitionMain.js, SpeechRecognitionQuickCreate.js]
  + function speak(text) {}
* //Below is the method set first field to focus on the page [SpeechRecognitionMain.js, SpeechRecognitionQuickCreate.js]
  + function SetFocusOnFirst(executionContext, firstattribute) {}
* //Below is the method to clear view records list reference when Entity Home Page grid loads [SpeechRecognitionEntityGrid.js]
* function ClearItemReferences(PrimaryEntityTypeName, PrimaryEntityTypeCode) {}
* //Below is the method to set the record index Home Page grid loads, this should be attached to the view’s first column as a webresource[SpeechRecognitionEntityGrid.js]
* function GetRecordStatus(rowData, userLCID) {}