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] …

Scripts rely on cookies to manage data required for commands processing. There are scripts to identify the eligible window to execute the command when multiple form scripts are loaded. There Some functions are to manage cookies – create, read, update

Below are the 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) {}