CHALLENGE #4 – Translate Item Descriptions (LEVEL 2)

Rate this article ★★★★★

FreddyDK (https://social.msdn.microsoft.com/profile/FreddyDK)   May 17, 2018

💬 0 (https://blogs.msdn.microsoft.com/hackathonchallenges/2018/05/17/challenge-4-translate-item-descriptions-level-2/#respond)
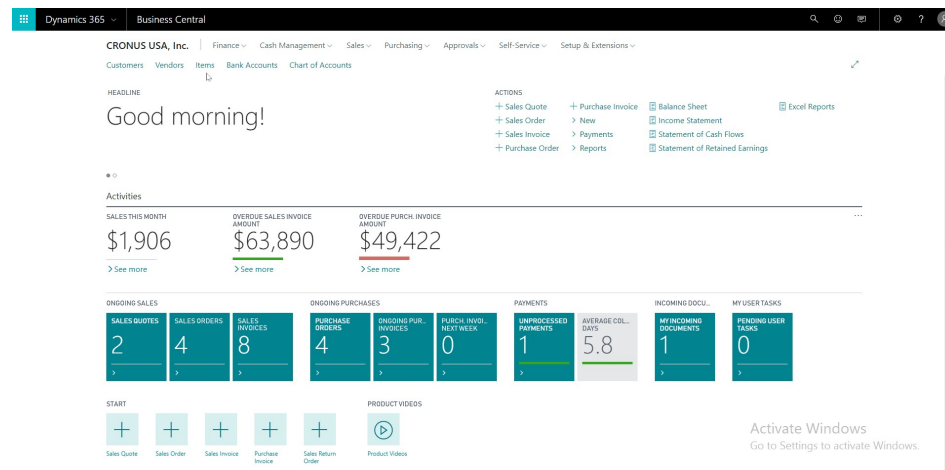
| Share 0 | 0 | 0 |

on orders or e-commerce engines.

To complete this challenge, you will need

To complete this challenge, you will need:

- A Dynamics 365 Business Central Sandbox Environment
  - Use http://aka.ms/bcsandbox (http://aka.ms/bcsandbox) to create an Azure VM if you do not have a sandbox environment.
- Visual Studio Code with the AL Extension installed
  - Azure VMs will have VS Code pre-installed
- A translator API Key from https://www.microsoft.com/en-us/translator/trial.aspx (https://www.microsoft.com/en-us/translator/trial.aspx)

Expected result

Steps

- Create an empty app
- Create a table extension for the item table and add fields
- Create a page extension for the item card and add fields
- Add a Codeunit with a function that translates a text from one language to another.
- Add a button to the Item card, calling the translate method for all new description fields.

Hints

- In VS Code, use Ctrl+Shift+P and type AL GO and remove the customerlist page extension
- Use the *ttableext*, and the *tfieldtext* snippet
- Use the *tpageext* and the *tpagefield* snippet
- Use *HttpClient* to communicate with the Web Service and use Json types (*JsonObject*, *JsonToken*, *JsonArray* and *JsonValue*) to build content and extract values from the Web Service result. See https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate (https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate)
- Use *taction* snippet and add code to call the translate method

Cheat Sheets

- Create an empty app (https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-4-CHEAT-SHEET-1---CREATE-AN-EMPTY-APP.pdf)
- Create a table extension (https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-4-CHEAT-SHEET-2---CREATE-A-TABLE-EXTENSION.pdf)
- Create a page extension (https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-4-CHEAT-SHEET-3---CREATE-A-PAGE-EXTENSION.pdf)
- Code for translating text (https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-4-CHEAT-SHEET-4---CODE-FOR-TRANSLATING-A-STRING.pdf)
- Action for translating the description (https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-4-CHEAT-SHEET-5---ACTION-FOR-TRANSLATING-THE-DESCRIPTION.pdf)

Happy coding

Freddy Kristiansen
Technical Evangelist

Passwords: Mahi1776, Koha3443, Mowu5430, Fehy2599, Lesu5260

Tags Cognitive Services (https://blogs.msdn.microsoft.com/hackathonchallenges/tag/cognitive-services/) HttpClient
(https://blogs.msdn.microsoft.com/hackathonchallenges/tag/httpclient/) Json
(https://blogs.msdn.microsoft.com/hackathonchallenges/tag/json/) LEVEL 2
(https://blogs.msdn.microsoft.com/hackathonchallenges/tag/level-2/) Translation
(https://blogs.msdn.microsoft.com/hackathonchallenges/tag/translation/)

Comments (0)

Name *

Email *

Website

☐Save my name, email, and website in this browser for the next time I comment.

Post Comment