

CHALLENGE #1 – Auto-fill company information on the customer card (LEVEL 2)

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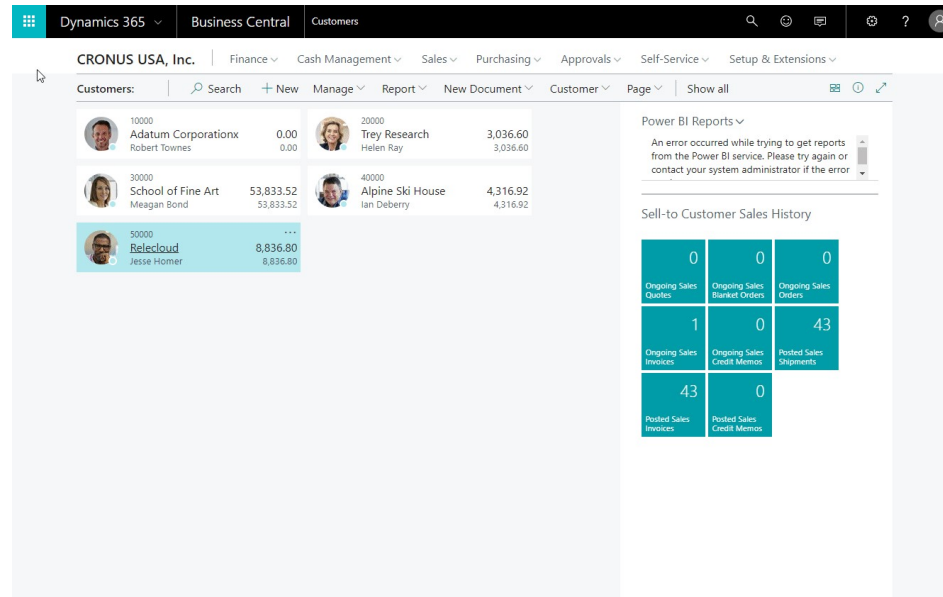
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card with information obtained from the Web Service.

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
- An API Key from <http://www.fullcontact.com> (<http://www.fullcontact.com>)

Expected result



Steps

- Create an empty app
- Create a page extension for the customer card
- On the *OnAfterValidate* trigger on the *Name* field, check whether the entered value is a domain name
- Ask the user whether he wants to lookup information about the company associated with this domain name
- Call the fullcontact Web API and assign field values

Hints

- In VS Code, use Ctrl+Shift+P and type AL GO and remove the customerlist page extension
- Use the *pageext* snippet
- Use *EndsWith* to check whether the name is a domain name
- Use the *Confirm* method to ask whether the user want to download info
- Use *HttpClient* to communicate with the Web Service
- Use Json types (*JsonObject*, *JsonToken*, *JsonArray* and *JsonValue*) to extract values from the Web Service result

Cheat sheets

- Create an empty app (<https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-1-CHEAT-SHEET-1-CREATE-AN-EMPTY-APP.pdf>)
- Create a page extension (<https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-1-CHEAT-SHEET-2---CREATE-A-PAGE-EXTENSION.pdf>)
- Code for communicating with Web Service (<https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-1-CHEAT-SHEET-3---CODE-FOR-COMMUNICATING-WITH-THE-SERVICE.pdf>)
- Update the customer (<https://msdnshared.blob.core.windows.net/media/2018/05/CHALLENGE-1-CHEAT-SHEET-4---UPDATE-THE-CUSTOMER.pdf>)

Happy coding

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