MAPLE POWER 2020

Alternate Portal Solutions for the ~~Common Data~~ Service DATAVERSE

NOVEMBER 21ST, 2020

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365.Training

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Alternate Portal Solutions for Microsoft Dataverse

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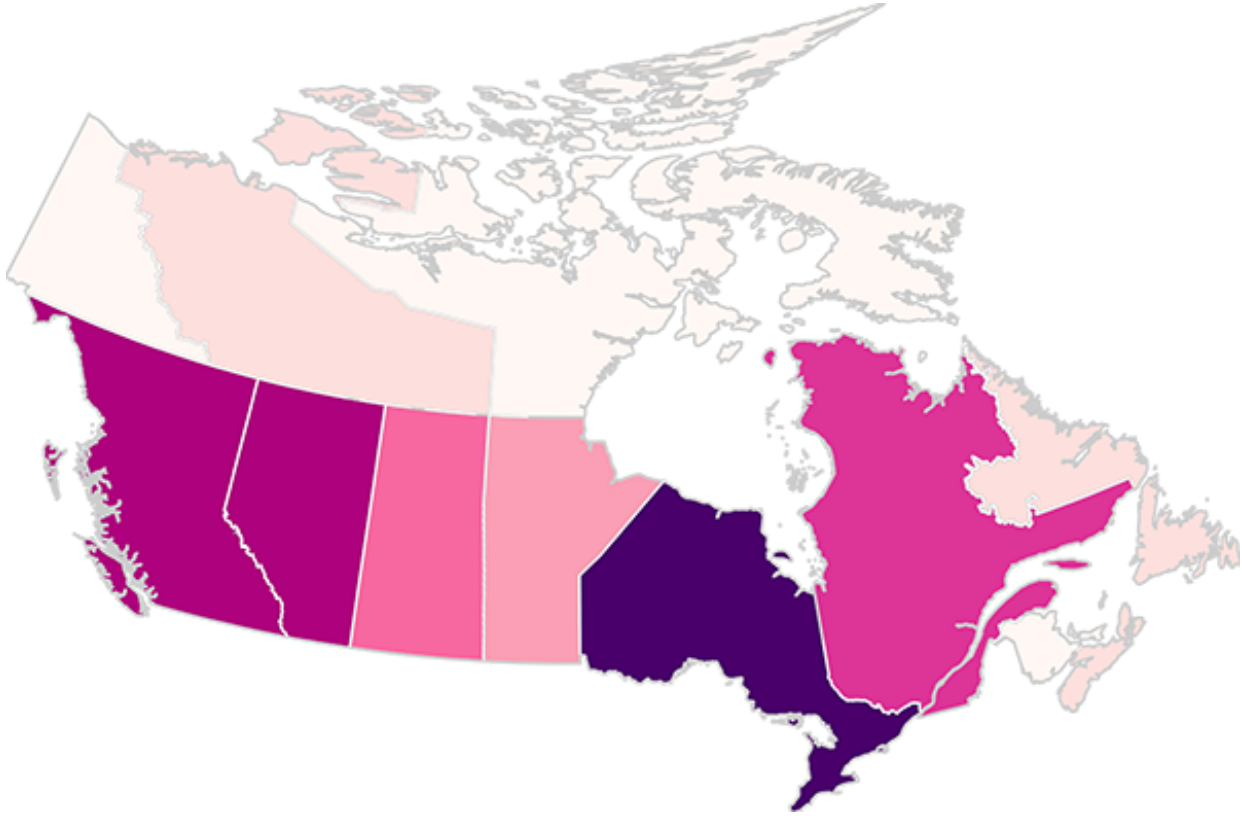
365 training

Microsoft Certified Trainer MCT Trainer 2019 - 2020

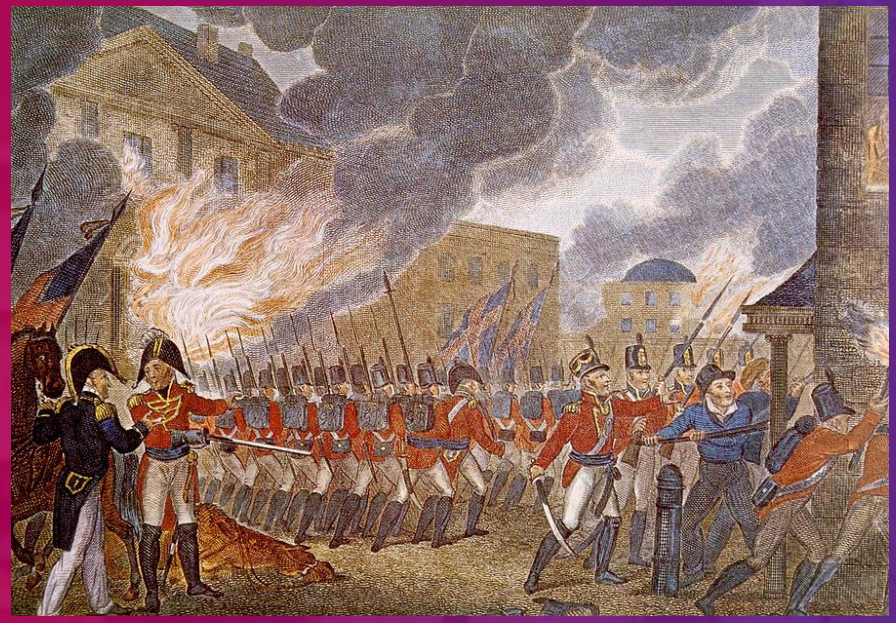
D365UG/CRMUG ALL STAR

MVP Microsoft® Most Valuable Professional

CANADIAN FUN FACT



Have Canada and the United States gone to War?

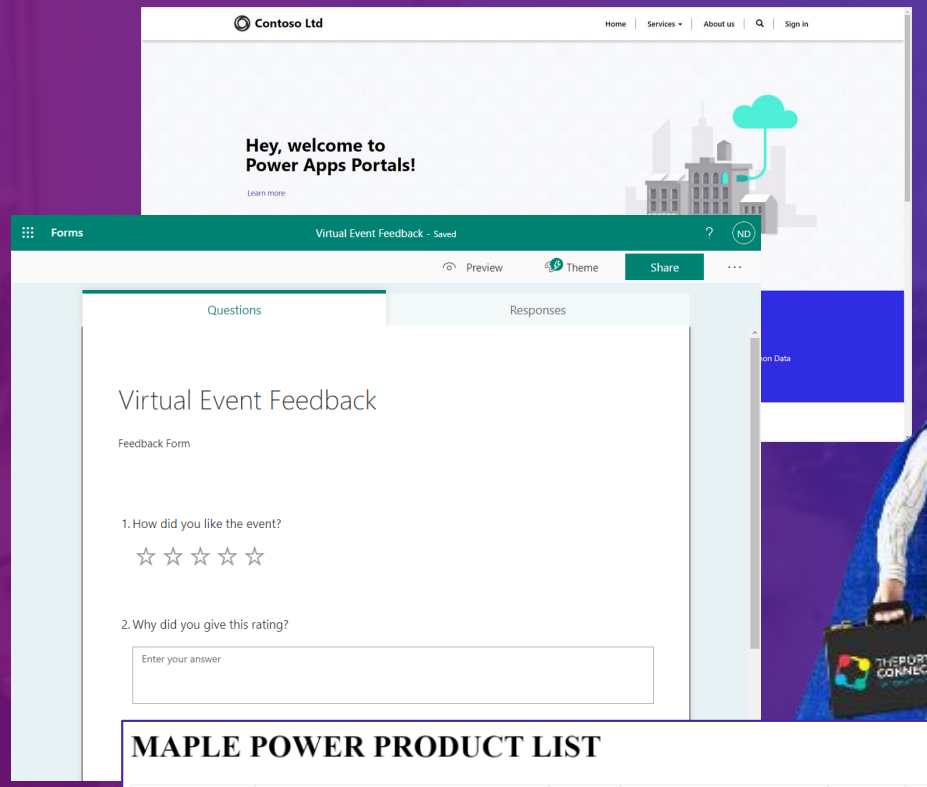


Yes, the war of 1812

- Technically between Great Britain and United States
- Most Canadian's believe Canada won
- Most American's believe United States won
- Reality: It was essentially a tie
- The song "Battle of New Orleans" by Johnny Horton was based on the last battle of the war
- The British burned the American Presidential mansion, which was repainted to white… aka "The White House"

OBJECTIVES

- Why Power Apps portals?
- Why NOT Power Apps portals
- Alternate Portal Solutions (3rd Party and Free)
- JAMStack
- Build a Simple Portal App
- Questions



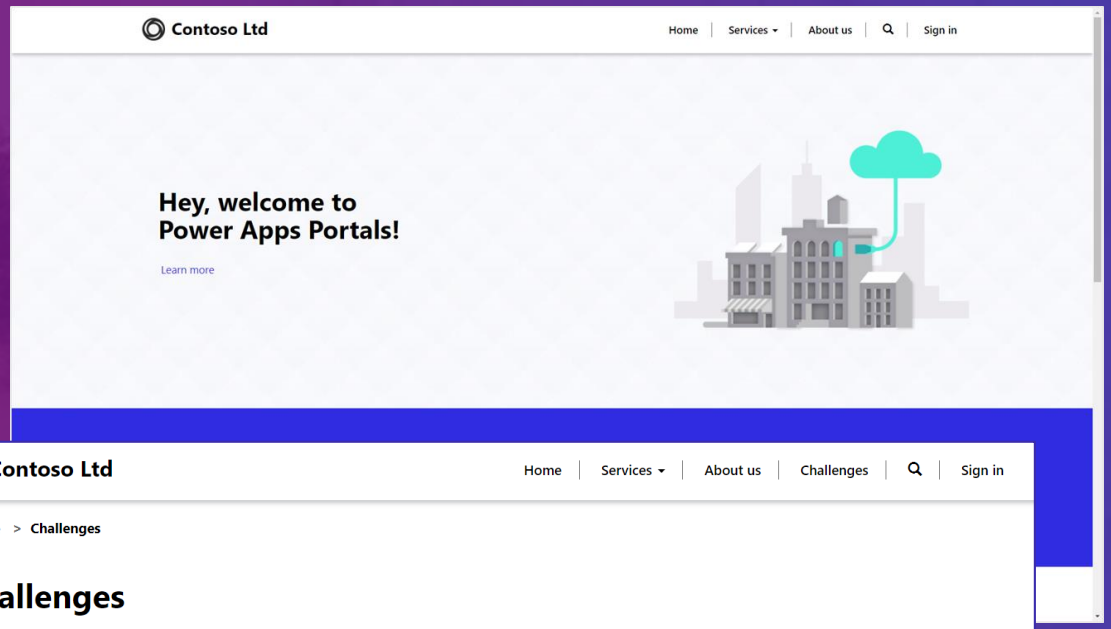
MAPLE POWER PRODUCT LIST

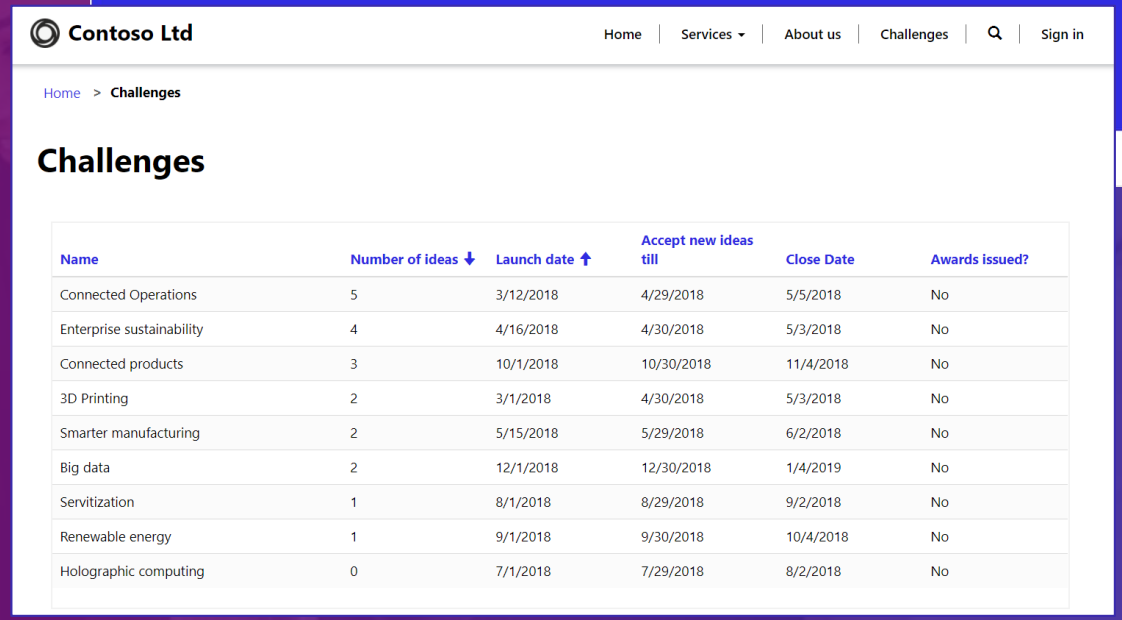
SKU	ProductName	Cost	QuantityAvailable	GUID	Request2
SKU-1000	Widget	100	43		
SKU-1001	Flux Capacitor	34	65		
SKU-1002	Doohickey	58	43		
SKU-1003	Hydro Spanner	89	6		
SKU-1004	Dataflexinverse Tricapacitor	89	6		
SKU-1005	Green Thing ma jinger	78	21		

Reserve

Why Power Apps Portals?

- Simple to provision
- Portal studio allows ability to quickly create pages
- Easily surface Dataverse data using Entity Lists and Entity Forms
- Security and Authentication
- Extendable with JavaScript, Liquid and Portal WebAPI

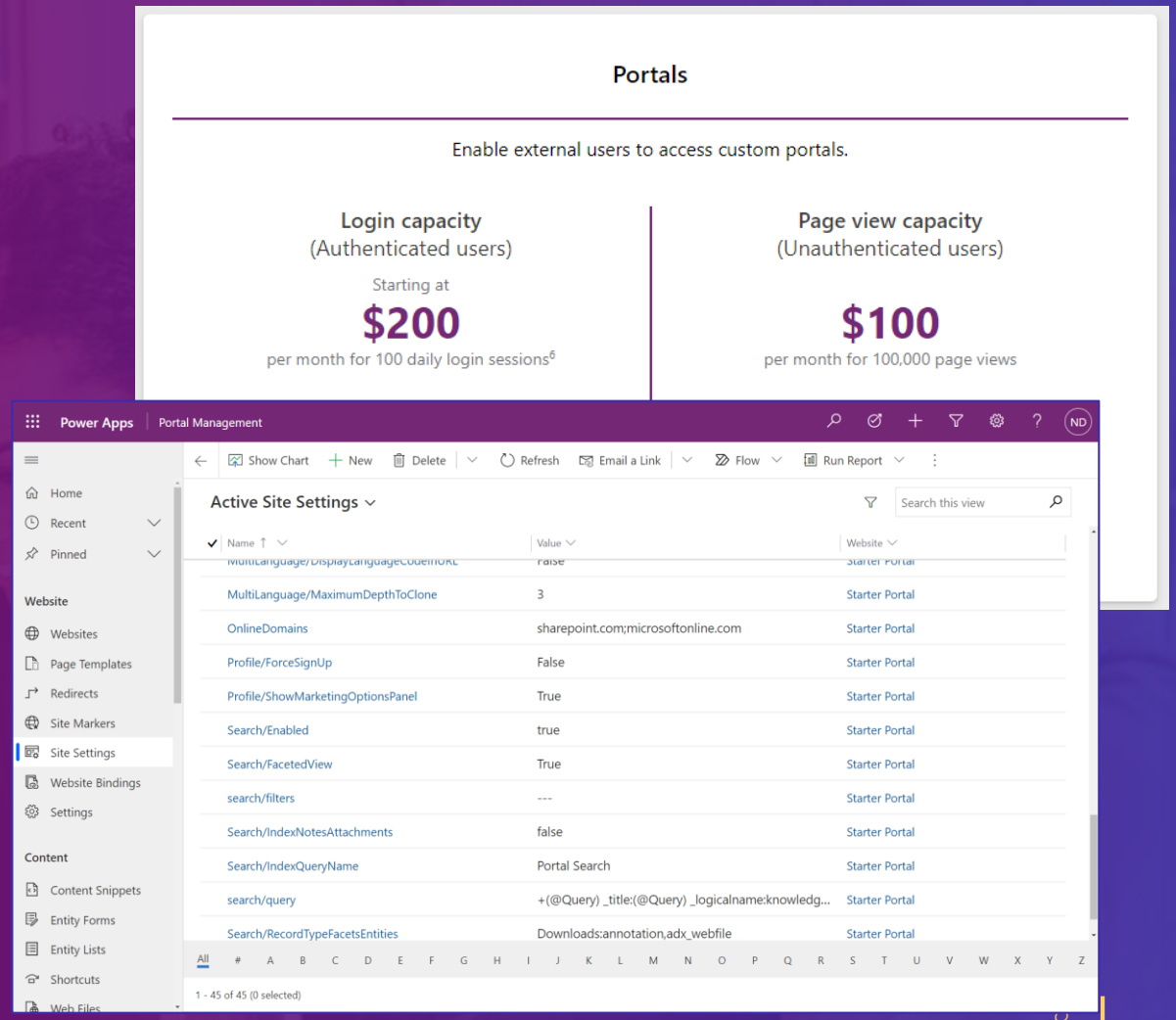




Name	Number of ideas	Launch date	Accept new ideas till	Close Date	Awards issued?
Connected Operations	5	3/12/2018	4/29/2018	5/5/2018	No
Enterprise sustainability	4	4/16/2018	4/30/2018	5/3/2018	No
Connected products	3	10/1/2018	10/30/2018	11/4/2018	No
3D Printing	2	3/1/2018	4/30/2018	5/3/2018	No
Smarter manufacturing	2	5/15/2018	5/29/2018	6/2/2018	No
Big data	2	12/1/2018	12/30/2018	1/4/2019	No
Servitization	1	8/1/2018	8/29/2018	9/2/2018	No
Renewable energy	1	9/1/2018	9/30/2018	10/4/2018	No
Holographic computing	0	7/1/2018	7/29/2018	8/2/2018	No

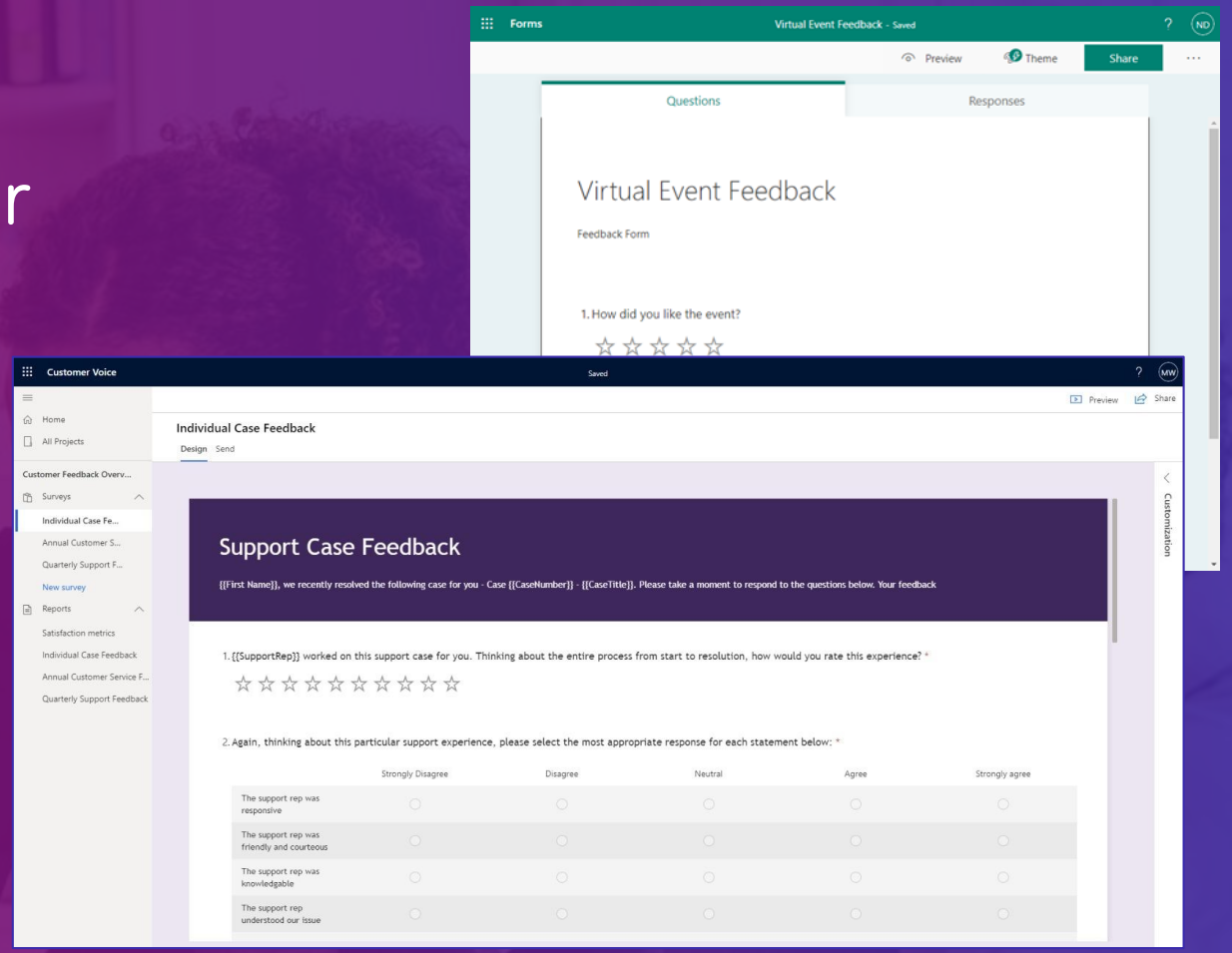
Why NOT Power Apps Portals?

- Slight Learning Curve
- Much of configuration is done via metadata
- “Lightweight” CMS features
- Many solutions and metadata
- Tricky DevOps processes
- Licensing
- Overkill for certain workloads



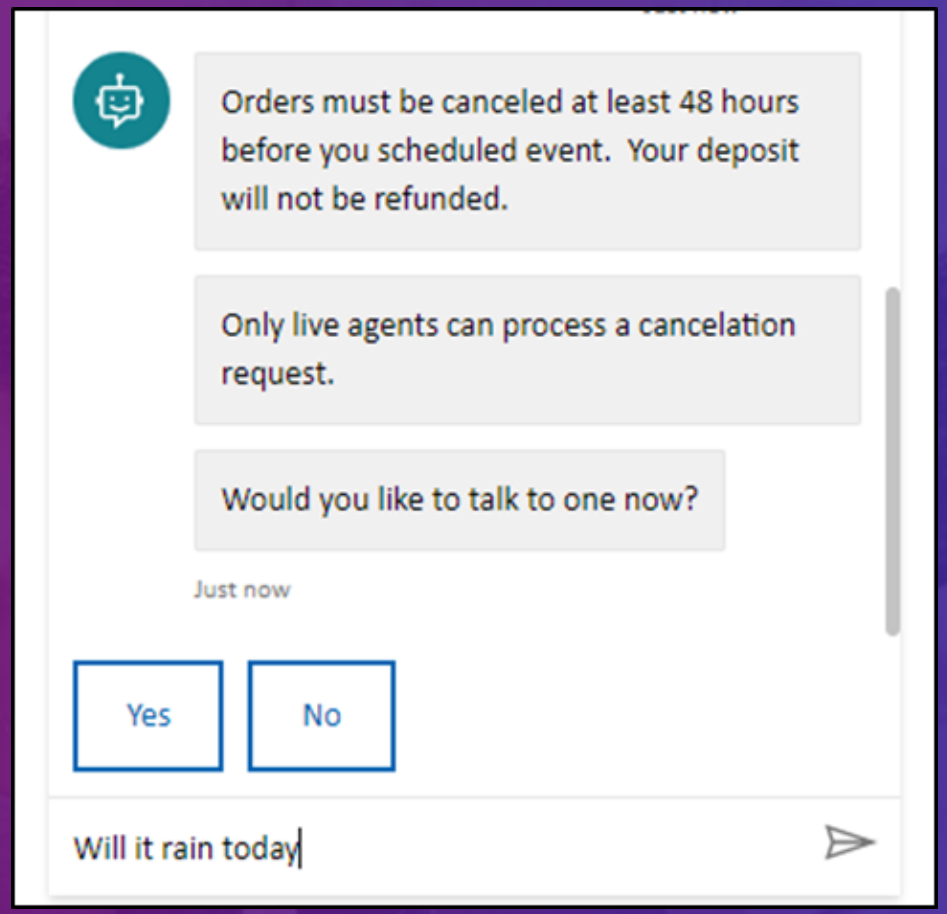
Alternate Portal Solutions

- Collecting Data?
- Consider Microsoft Forms or Customer Voice
- Data can be saved in Dataverse
- Easy to setup and manage



Alternate Portal Solutions

- Providing info to customer?
- Consider Power Virtual Agents
- Chatbots can provide contextual info to external stakeholders
- Embed on most existing websites



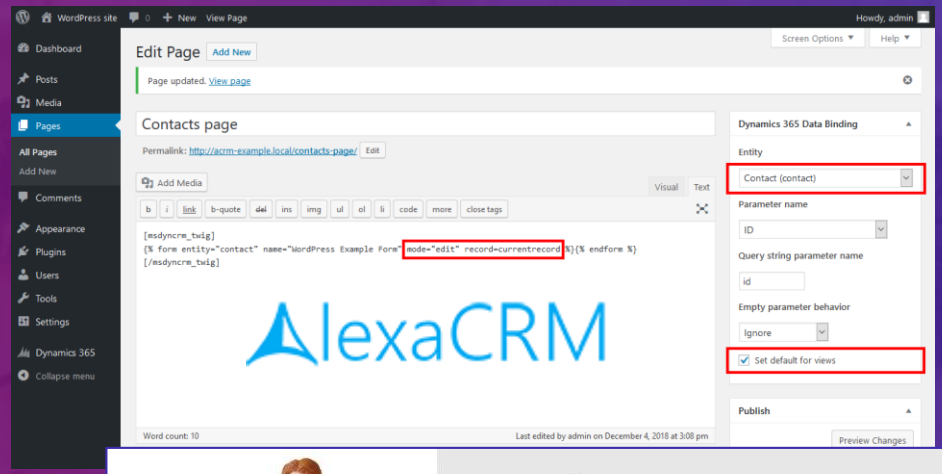
Alternate Portal Solutions

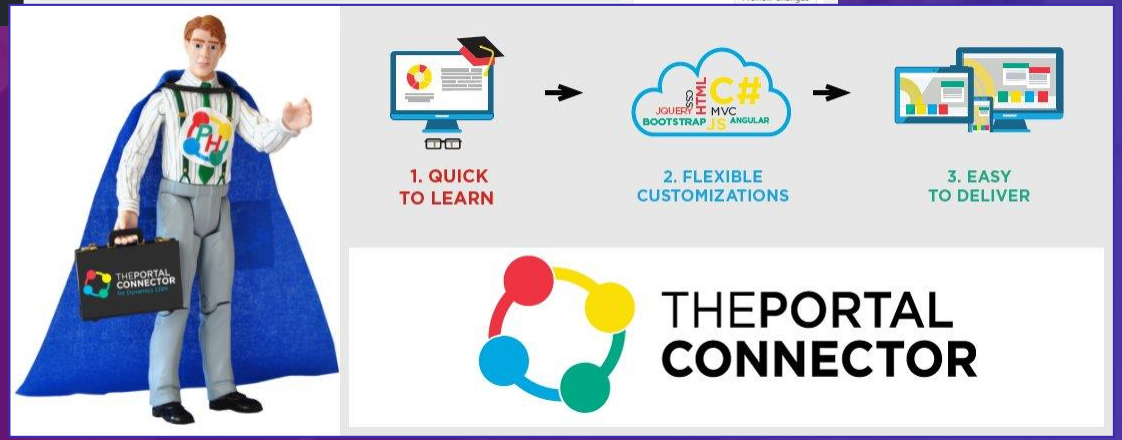
Various 3rd Party Solutions

- Better fit to your existing Web Platforms
- Flexible Licensing
- Use your existing web skills

Examples (there are others):

- AlexaCRM (WordPress Integration
- Portal Connector (Sitefinity Integration)

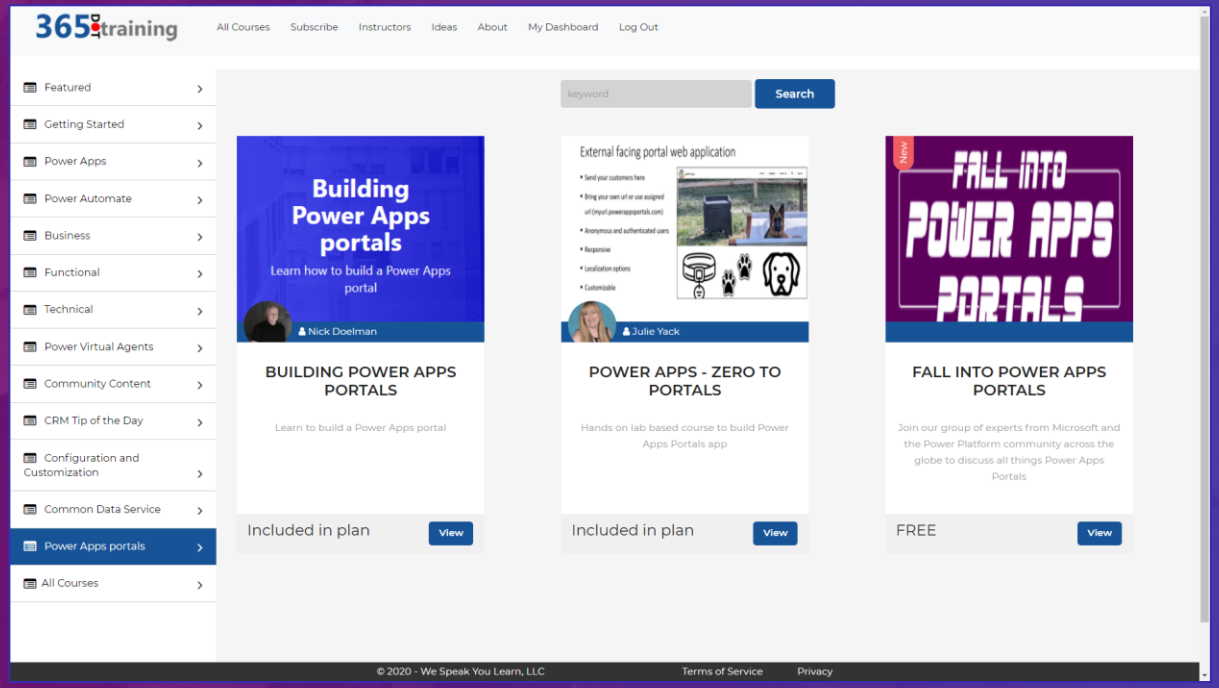




Alternate Portal Solutions

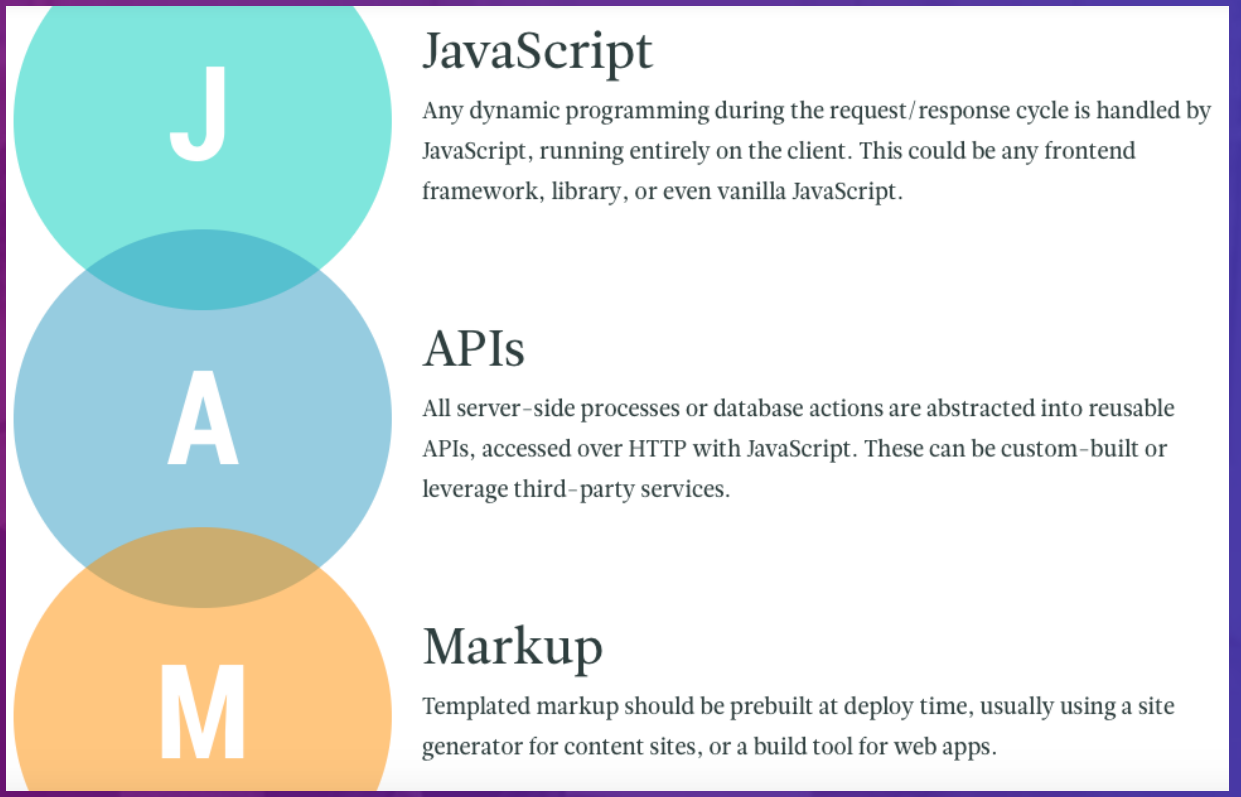
Build Your Own

- Use Power Platform SDK and Dataverse WebAPI
- Consider foundational work (authentication, security, User Interface, etc)
- Highly configurable
- Licensing and Hosting Flexibility (Watch API limits)



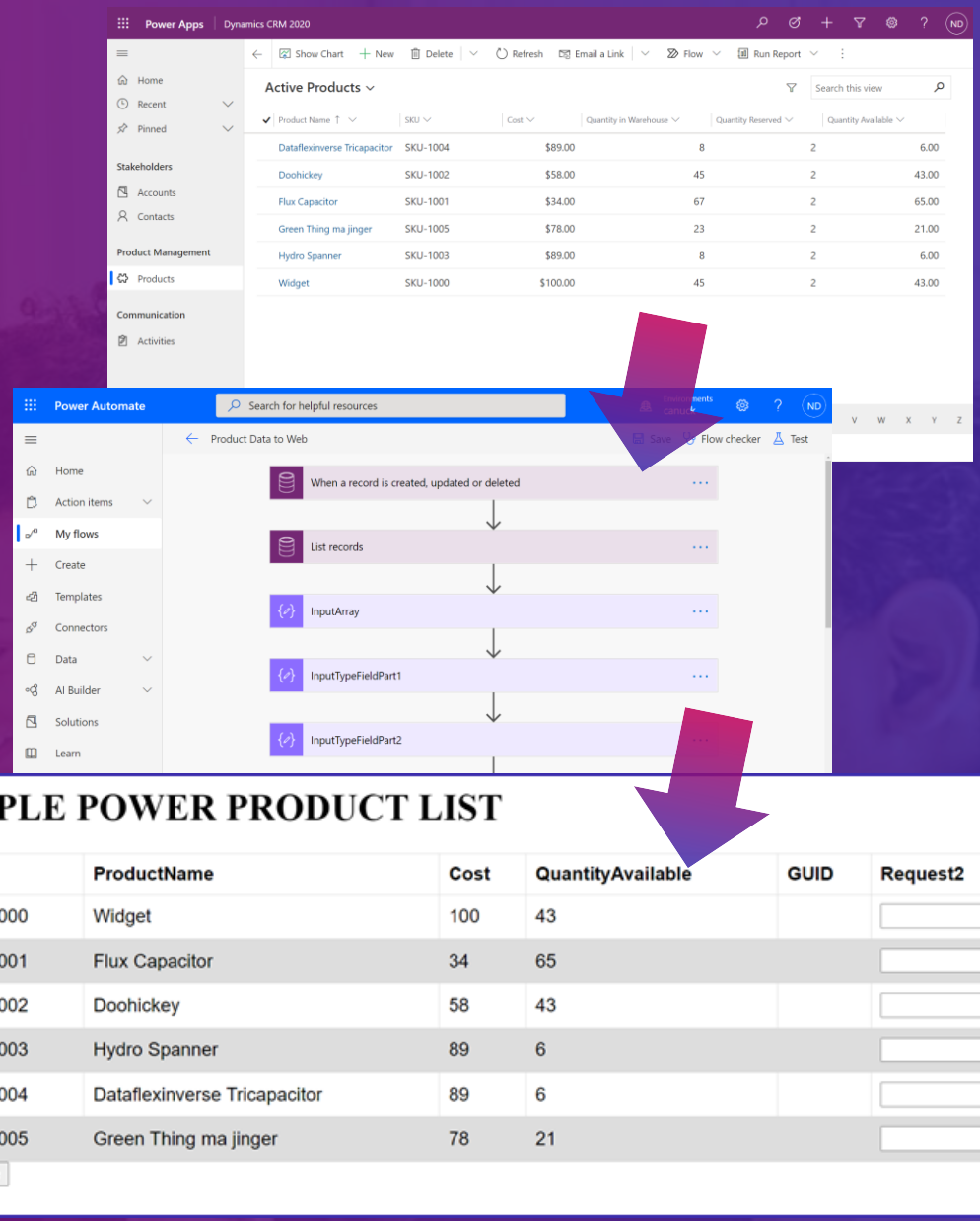
JAMStack

- JAM – JavaScript, API & Markup
- Automatically generate static pages with content, post to website
- Fast
- Secure
- Low Cost
- Easy to Build
- Scalable



DEMO JAMStack

- Model-driven Power App
- Create a Power Automate flow to take data from Dataverse and convert to HTML table
- Copy HTML file to Azure Static Website
- Update data from page back to Dataverse



THANK YOU!

John Liu for inspiration on JAMStack http://johnliu.net/
Victor Dantes for organizing
Microsoft for making cool stuff
Community for being awesome!

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THANK YOU!

Fill out survey: https://bit.ly/2GEjUjr