















Nick Doelman

Business Applications MVP | Canada



Who Am I?

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https://crm.audio/category/podcasts/dynamics365-portals/







Goal Today

- In the next 60 minutes...
- Provision a portal and surface CDS data to an authenticated external user
- LIVE demonstration
- Assume knowledge of Model-Driven Configuration (Entities, Forms, Views, etc)



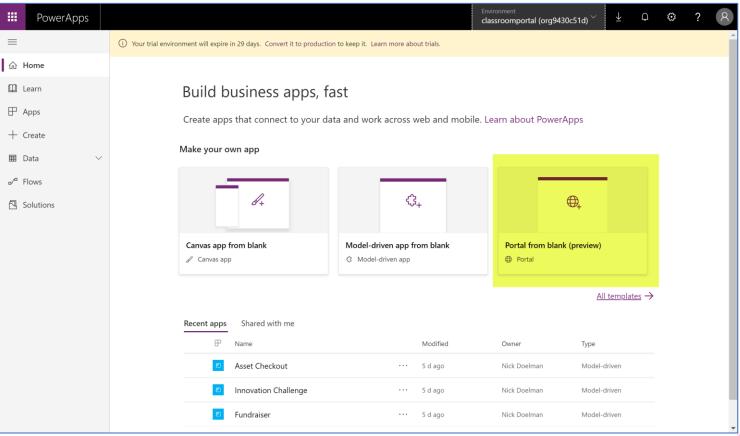








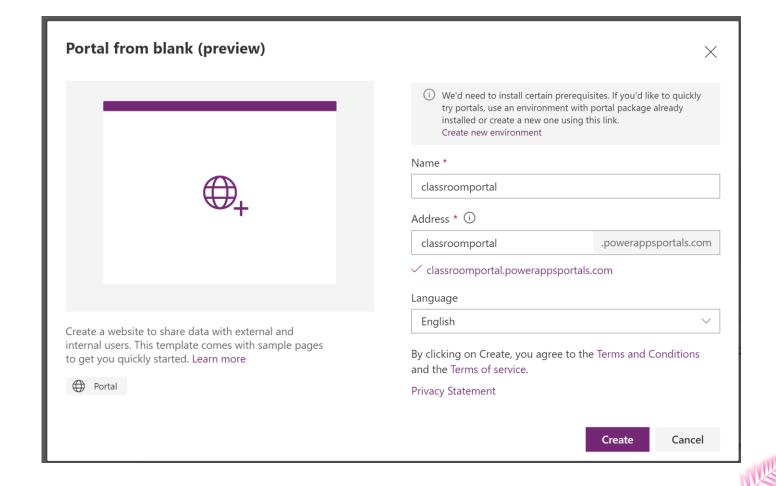
Provision Portal



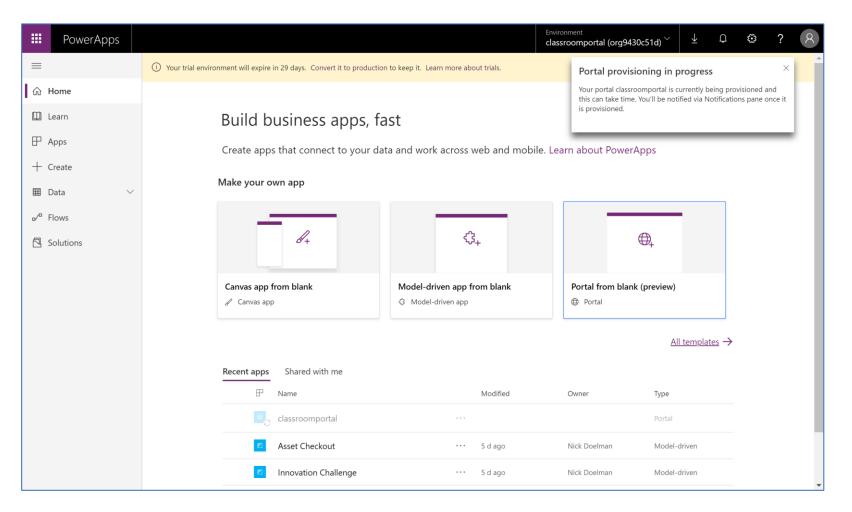




Provision Portal

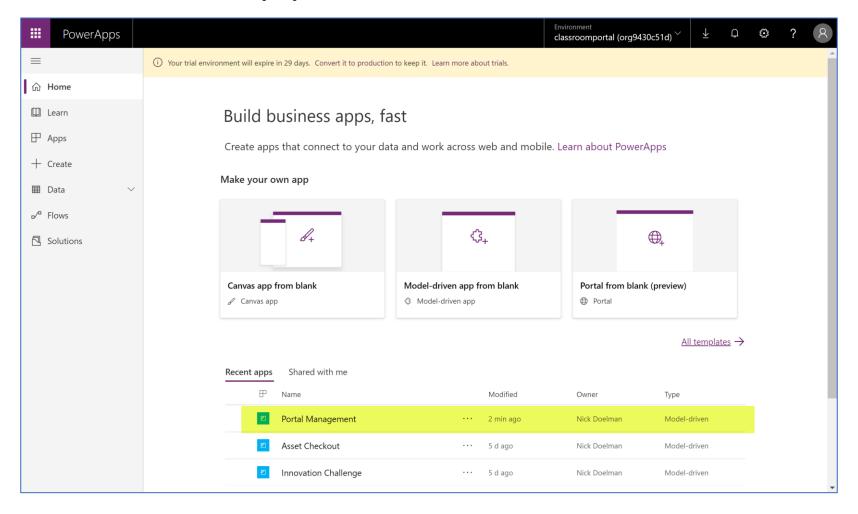






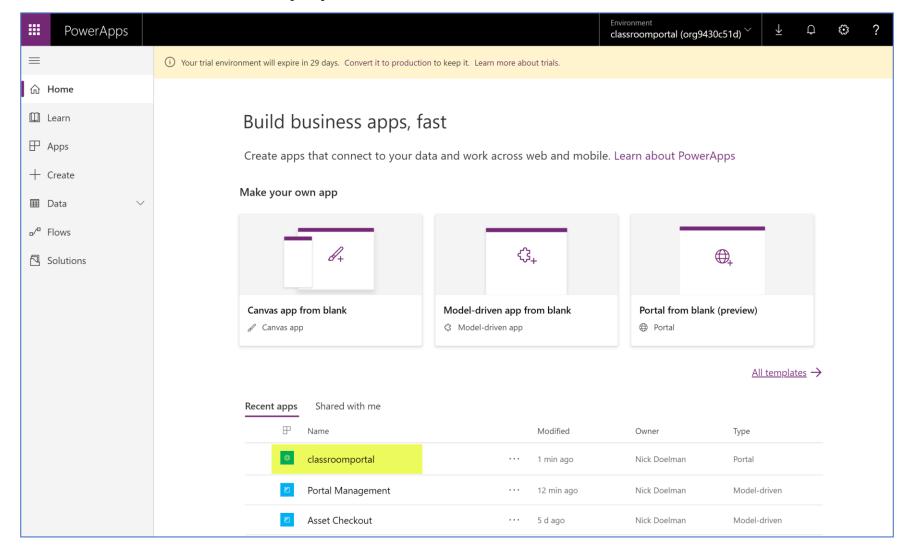






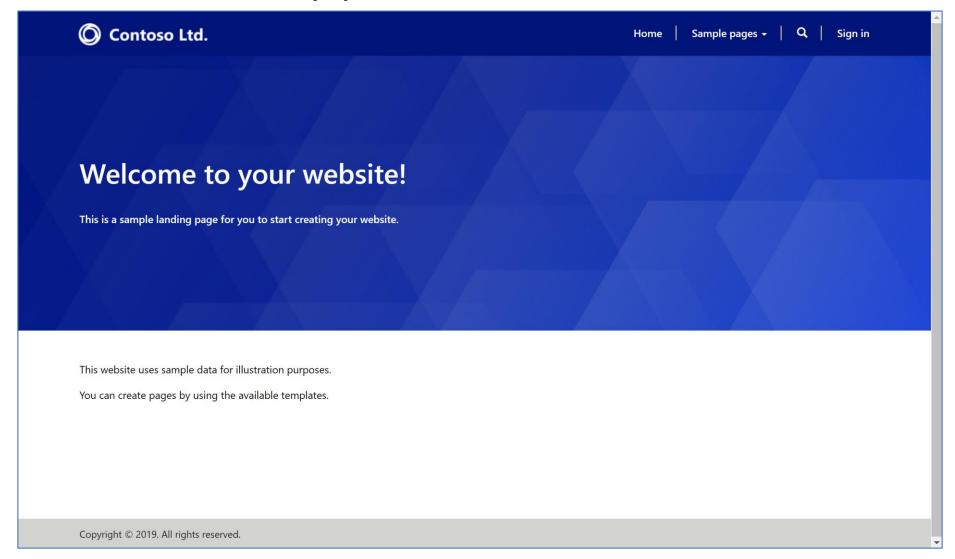
















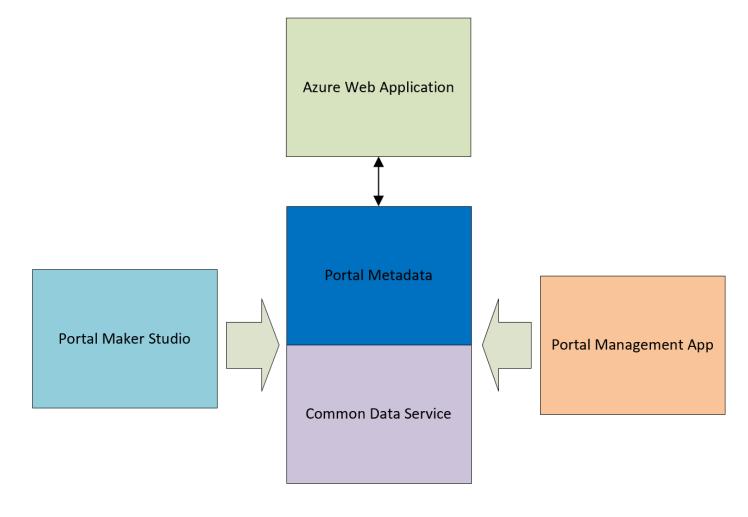
Portal Theory







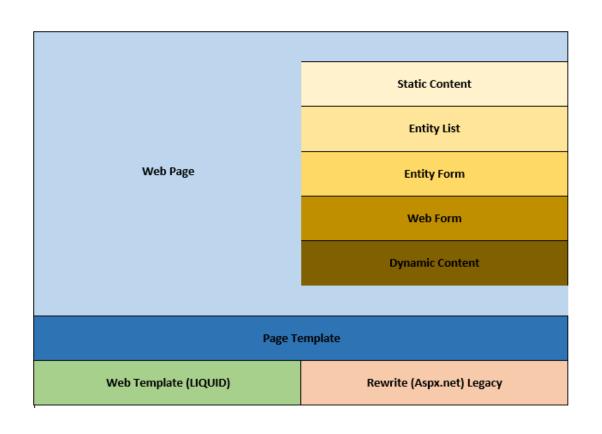
Portal components







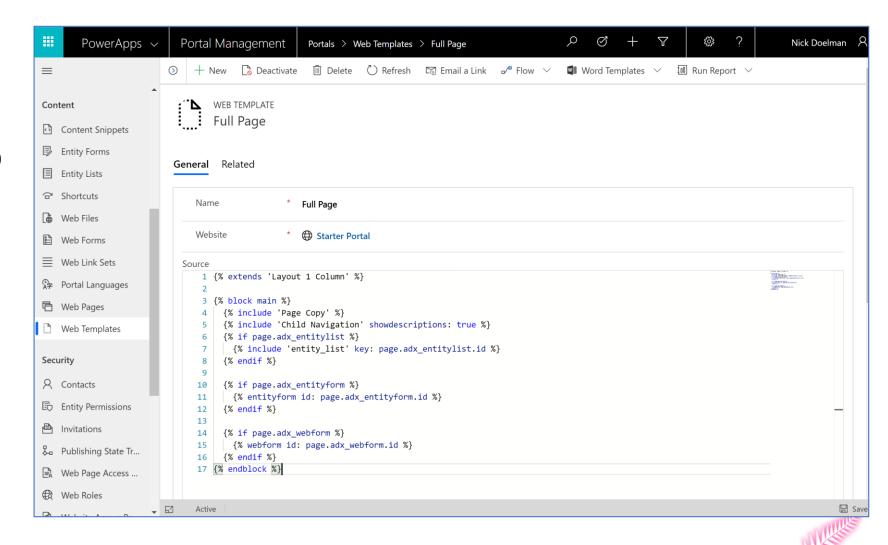
- Portal structure
- Portal metadata stored in CDS
- Different Portal Components for rendering







- Preconfigured templates
- Uses Liquid Markup
- Good place to store JavaScript





```
{% extends 'Layout 1 Column' %}
{% block main %}
 {% include 'Page Copy' %}
 {% include 'Child Navigation' showdescriptions: true %}
 {% if page.adx_entitylist %}
   {% include 'entity list' key: page.adx entitylist.id %}
 {% endif %}
 {% if page.adx_entityform %}
   {% entityform id: page.adx_entityform.id %}
 {% endif %}
 {% if page.adx webform %}
   {% webform id: page.adx_webform.id %}
 {% endif %}
{% endblock %}
```





Requirement

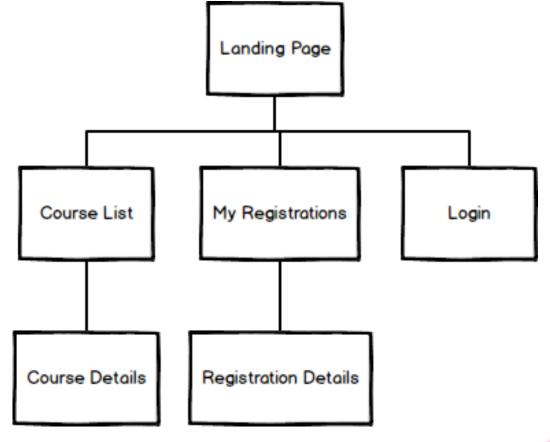
- We have a class management model driven app
- We want folks to see class information on a portal
- We want instructors to see all classes they are teaching







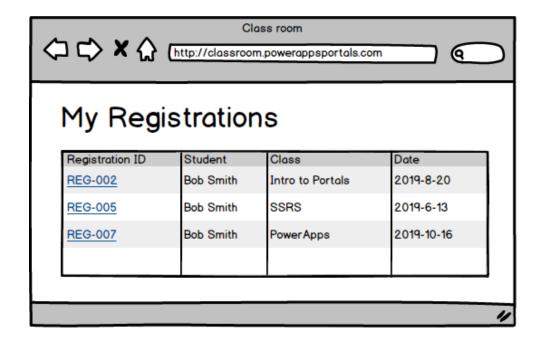
- Design Portal
- Site Map a good place to start
- Consider "Minimal Viable Product"

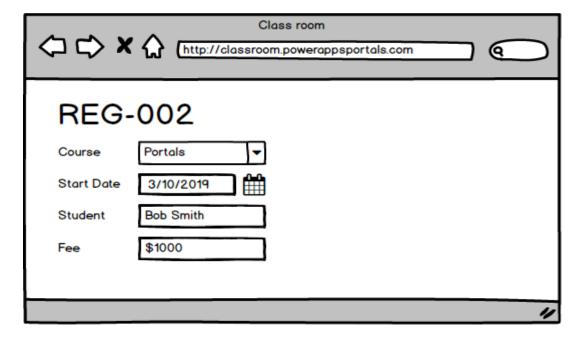






Design – Web Pages

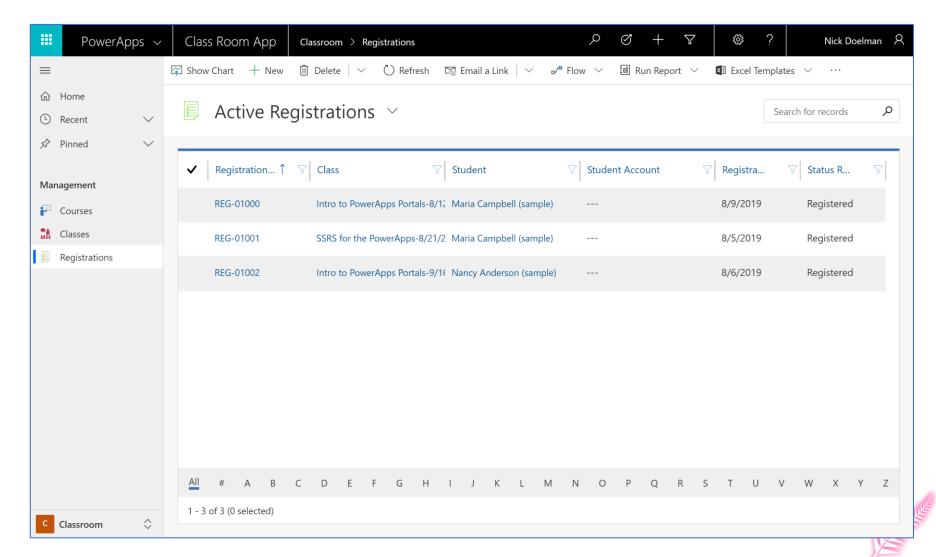






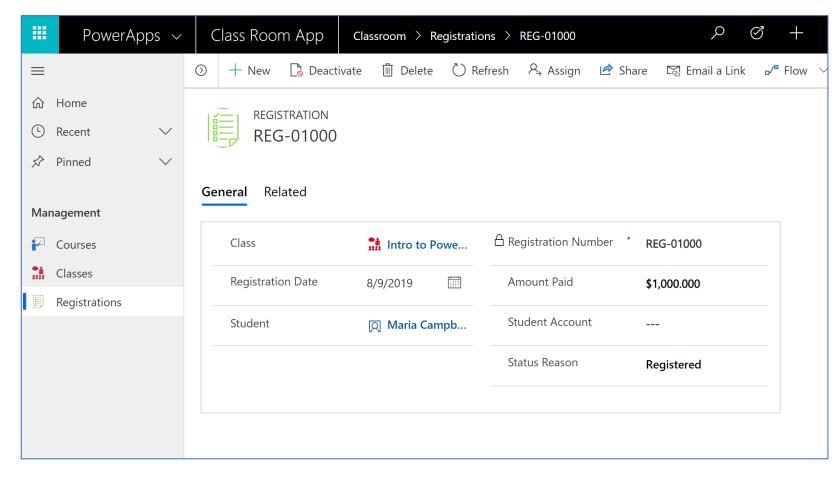


Model Driven App





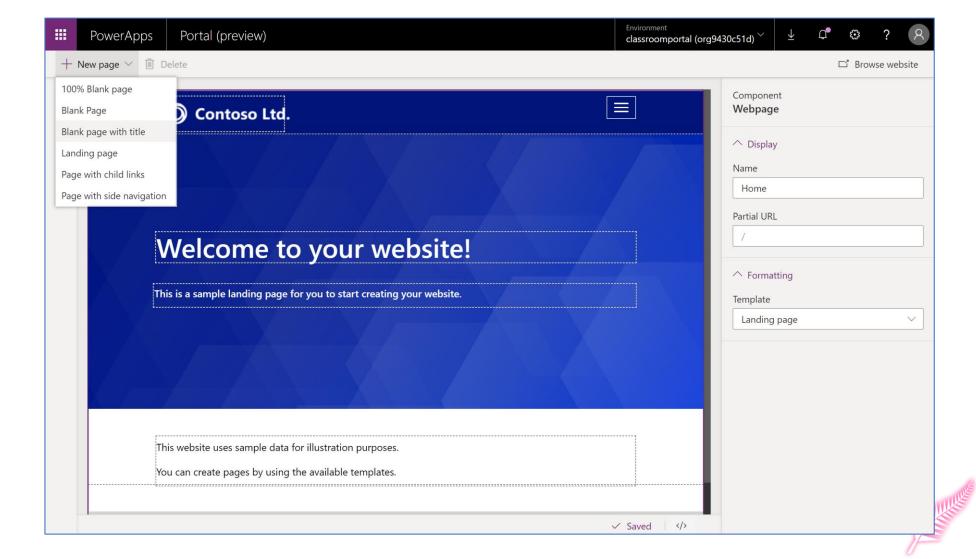
Model Driven App





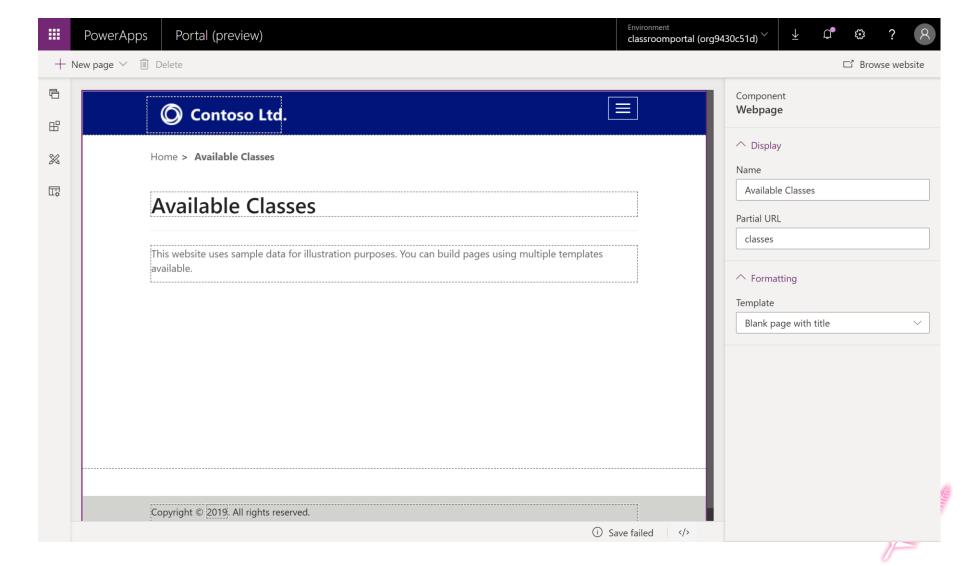


Create New Page



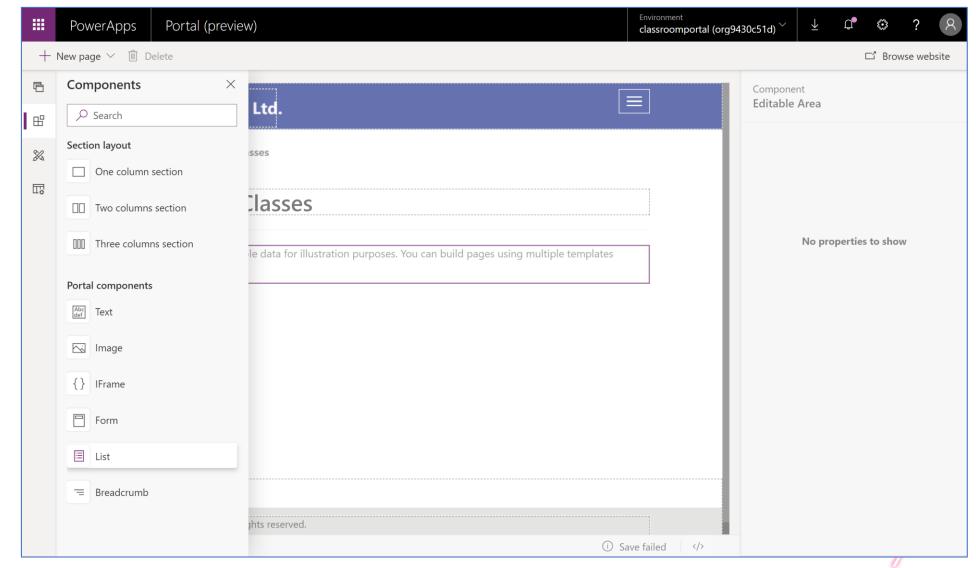


Edit Page



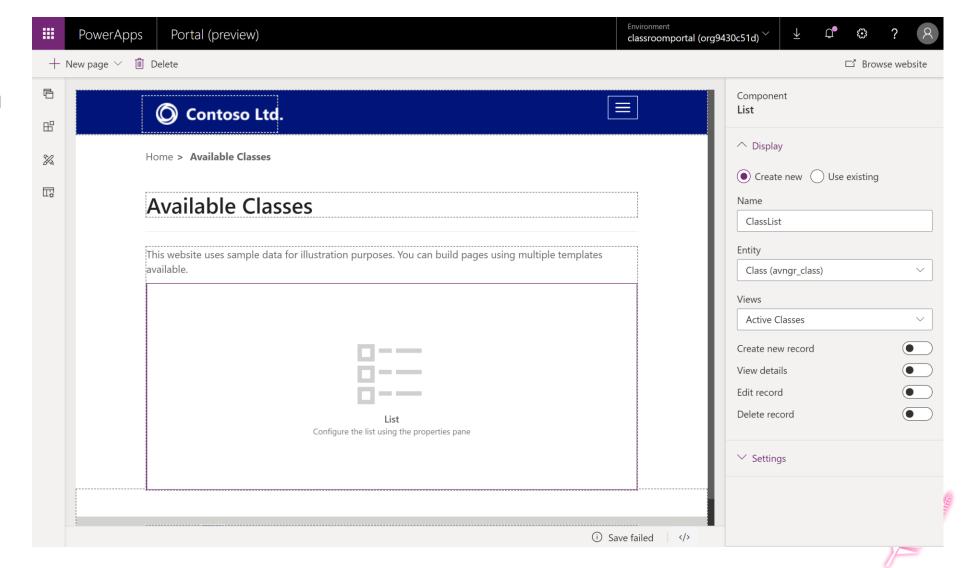


Add List



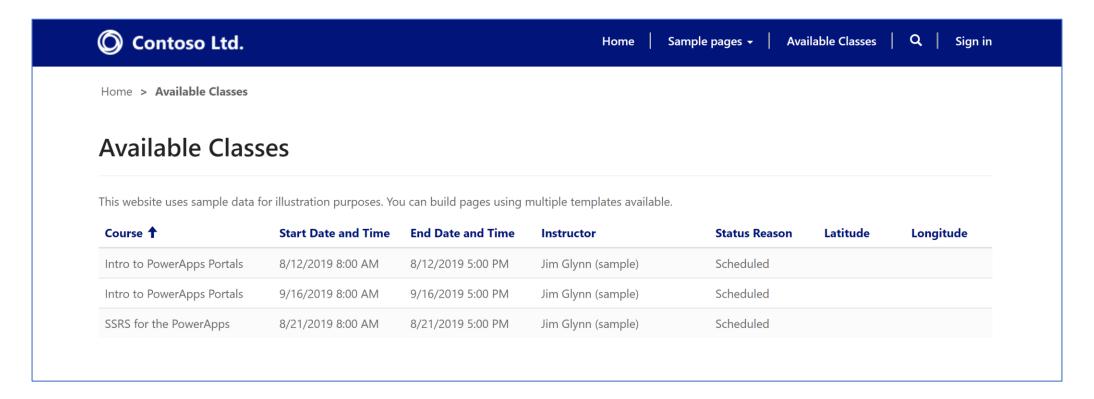


Link List to Model Driven View





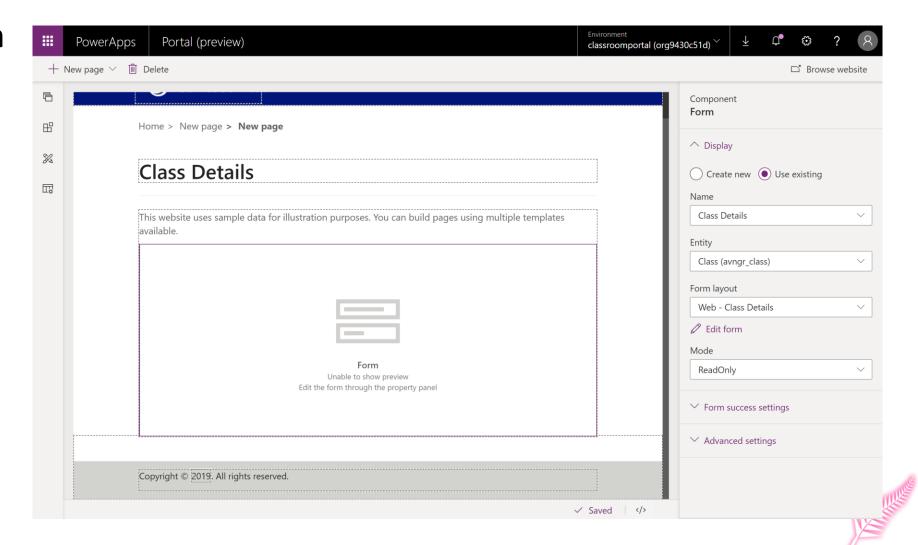
Preview Portal App





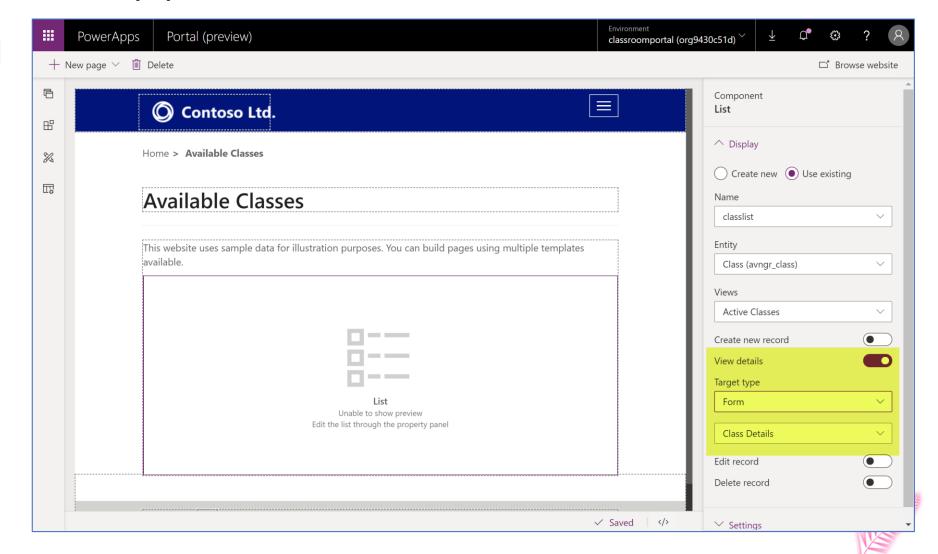


Add Detail Form



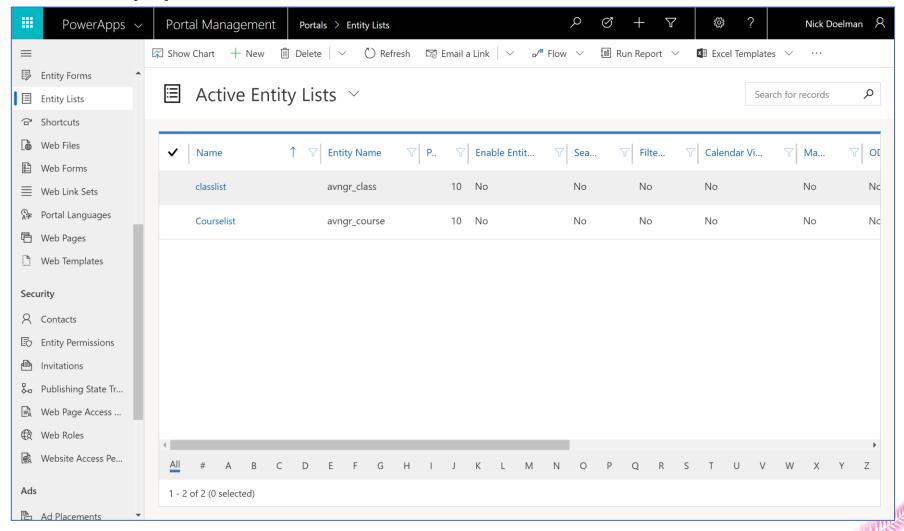


Edit List Control to navigate to form





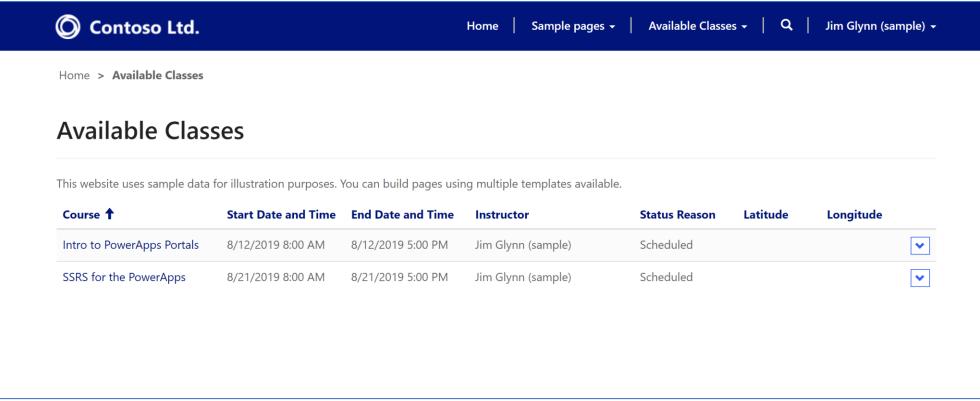
Portal Management App





Allow users to

login







PowerApps Portals

Licensing of PowerApps Portals:



User Type	Licensing	SKU Name	Unit Capacity	Price/ month	Comments
External user – Authenticated	Per log in	PowerApps Portals login capacity add-on	100 log ins	\$200	A log in provides an external authenticated user access to a single PowerApps portal for up to 24 hours
External user – Unauthenticated	Per page view	PowerApps Portals page view capacity add-on	100K page views	\$100	
Internal user	Via USL	Various Dynamics 365 SKUsPowerApps per app planPowerApps per user plan	NA	NA	Custom portal use rights are aligned with custom app use rights

- Customers can provision a PowerApps portal instance
- No need to purchase separate¹ license





¹\$500 per month per Dynamics 365 Additional Portal instance as of July 2019

Next Steps – "Homework"

- Provide feedback! https://experience.dynamics.com/insider
- Create Portal Content (Wizard in Portal Management App)
- Create custom web templates
- View on Mobile (responsive design)
- Change CSS Themes/Logos/etc.
- Explore Entity Permissions for tighter security
- Azure B2C for Authentication
- Custom Scripting and integration to Azure (Payment Button)
- Subscribe to crm.audio "Refresh the Cache" podcast





Crash Course in Dynamics 365 Portals

Learning Resources

MS Learn

https://docs.microsoft.com/en-us/learn/paths/extend-dynamics-365-portals/

https://docs.microsoft.com/en-us/learn/paths/work-with-portals-in-dynamics-365/

https://docs.microsoft.com/en-us/learn/paths/get-started-dynamics-365-portals/

- Portals Masterclass (this week)
- Online Learning (working on it!)





Thank you

















