PowerApps Portals Crash Course

With Nick Doelman

MVP Business Applications

Who Am I?

Nick Doelman, Microsoft MVP - Business Applications

Power Platform/Dynamics 365 Specialist

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

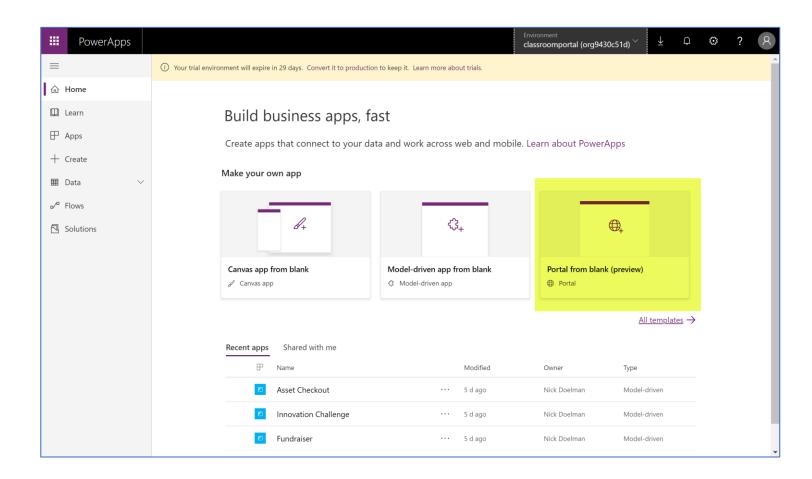


Goal Today

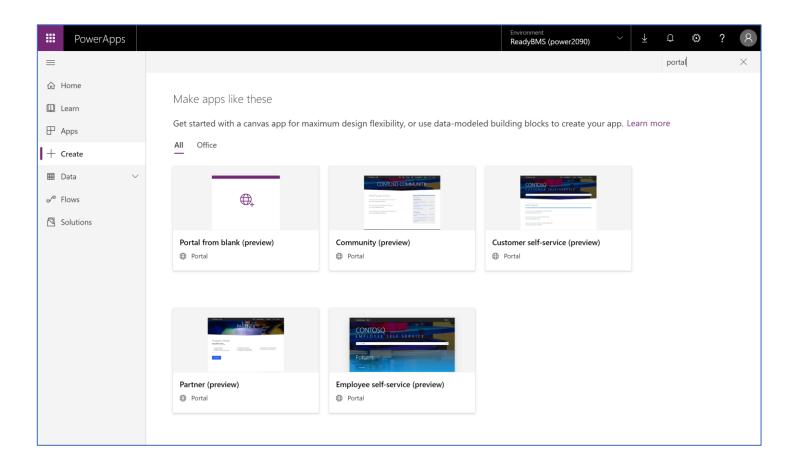
- In the next 50(?) minutes...
- Provision a portal and surface CDS data to an authenticated external user
- LIVE demonstration
- Assume knowledge of Model-Driven Configuration (Entities, Forms, Views, etc)



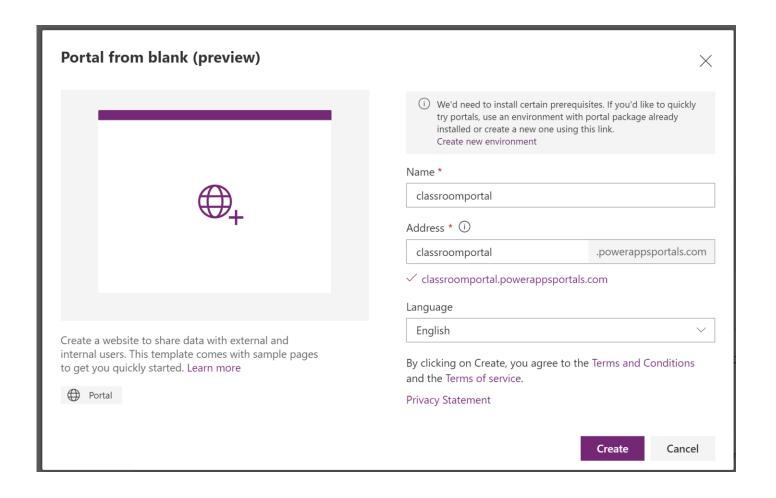
Provision Portal

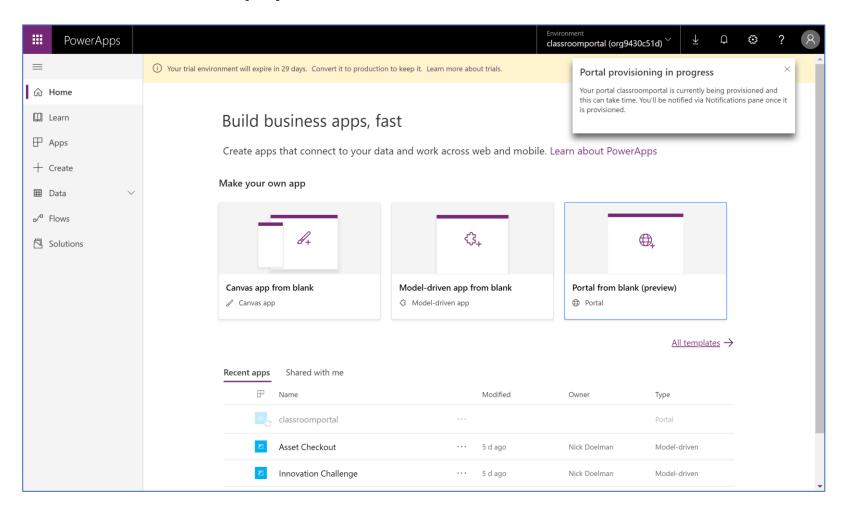


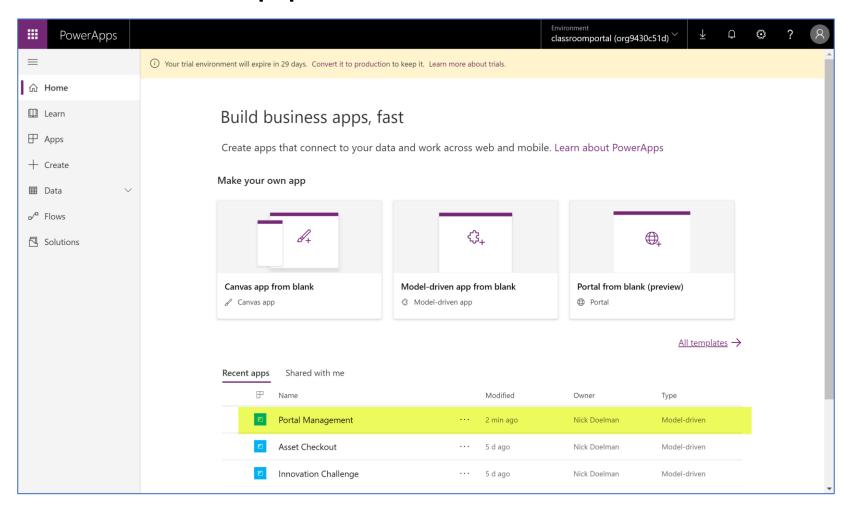
• If Dynamics 365, you can choose other starter portals

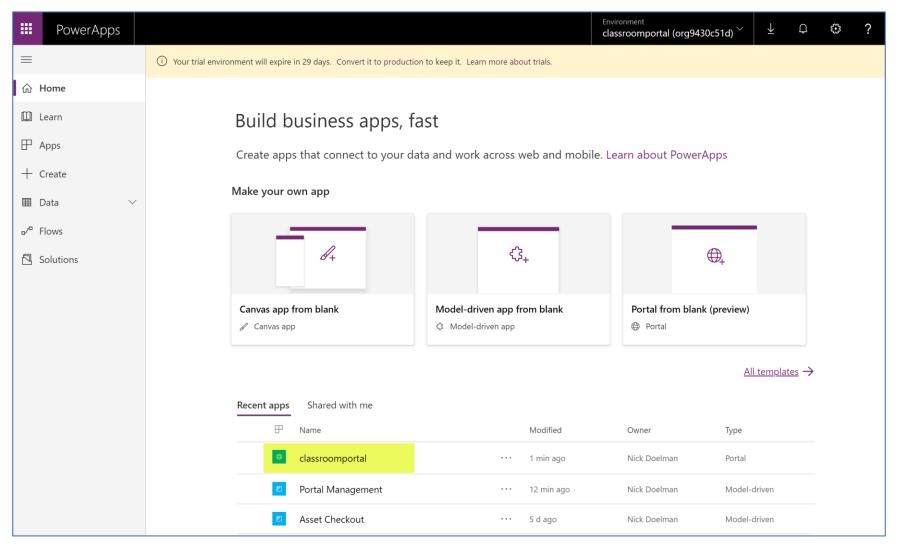


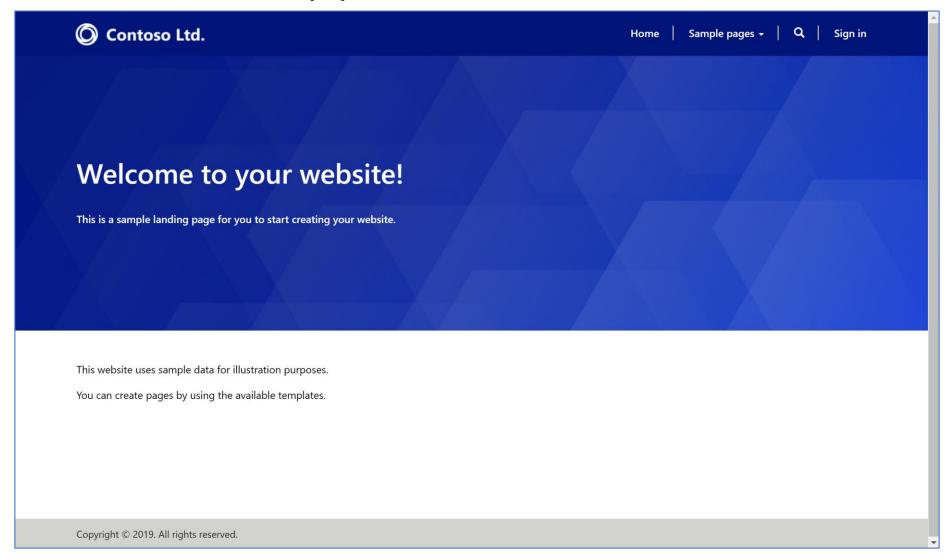
Provision Portal







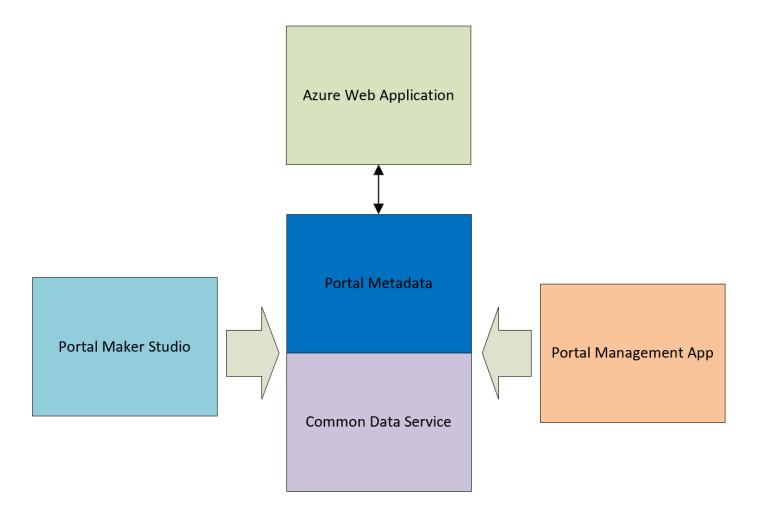




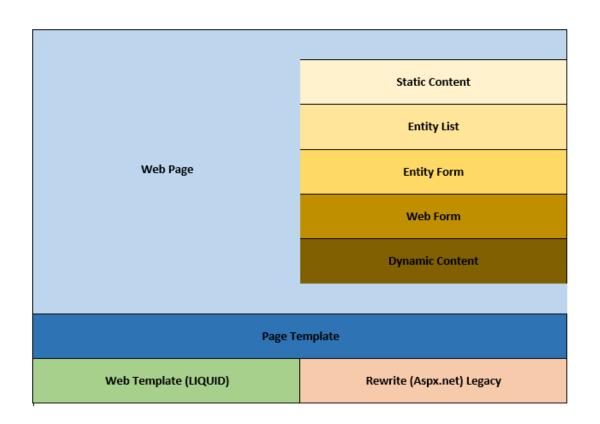
Portal Theory



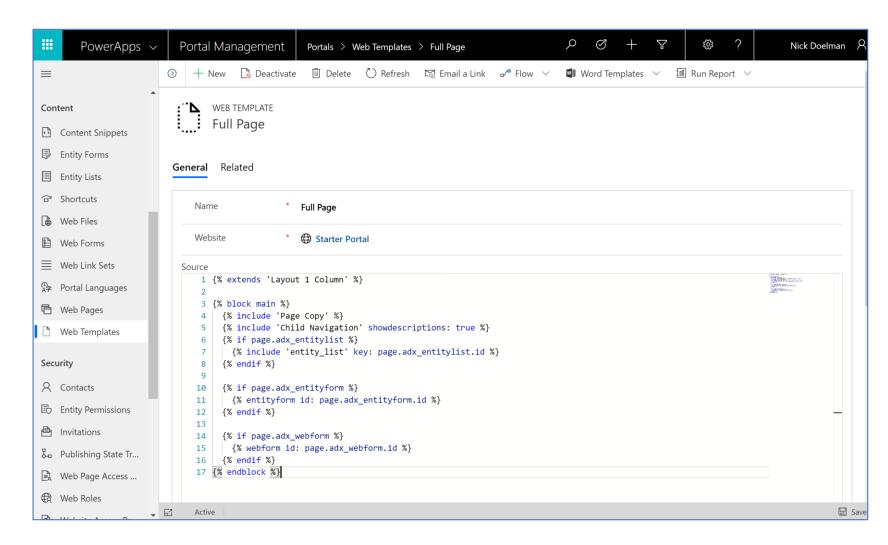
Portal components



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



- Preconfigured templates
- HTML
- Uses Liquid Markup
- Good place to store JavaScript, CSS



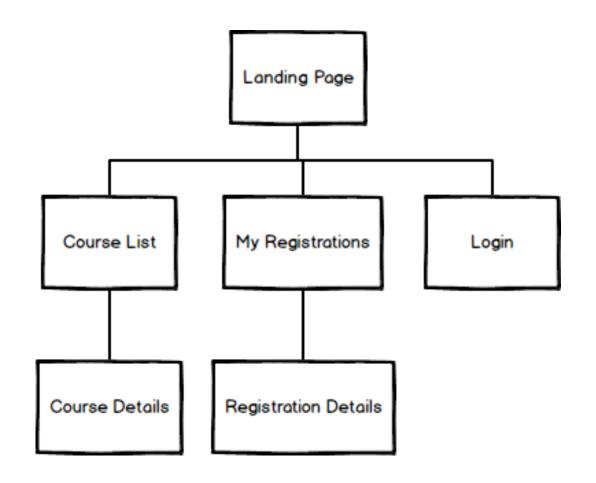
```
{% extends 'Layout 1 Column' %}
{% block main %}
 {% include 'Page Copy' %}
 {% include 'Child Navigation' showdescriptions: true %}
 {% if page.adx_entitylist %}
   {% include 'entity list' key: page.adx entitylist.id %}
 {% endif %}
 {% if page.adx_entityform %}
   {% entityform id: page.adx_entityform.id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

Requirement

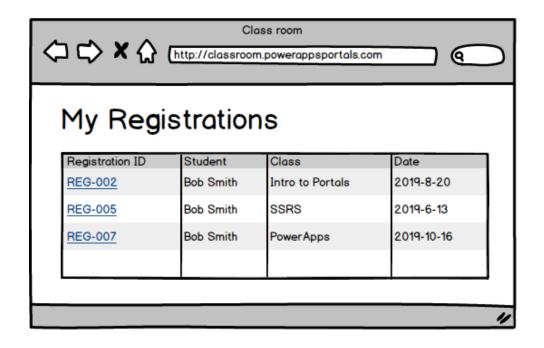
- We have a class management model driven app
- We want folks to see class information on a portal
- We want instructors to see just the classes they are teaching

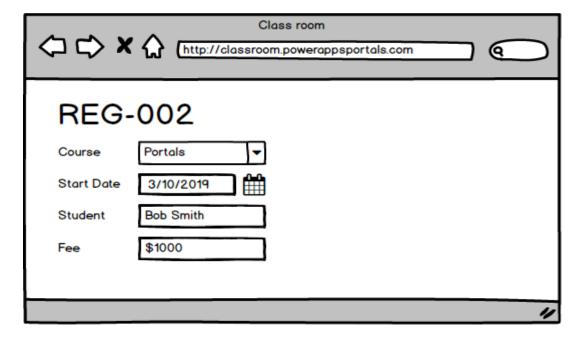


- Design Portal
- Site Map a good place to start
- Consider "Minimal Viable Product"

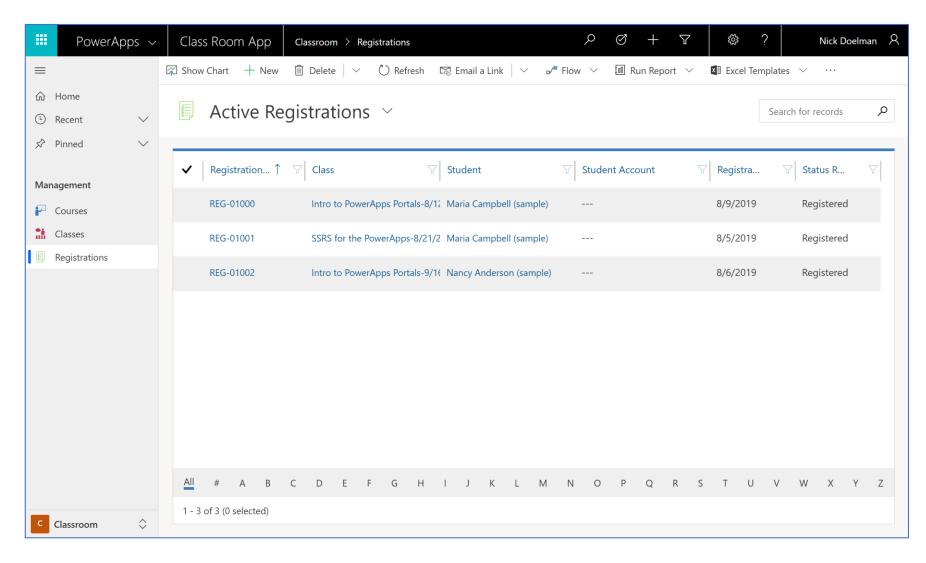


Design – Web Pages

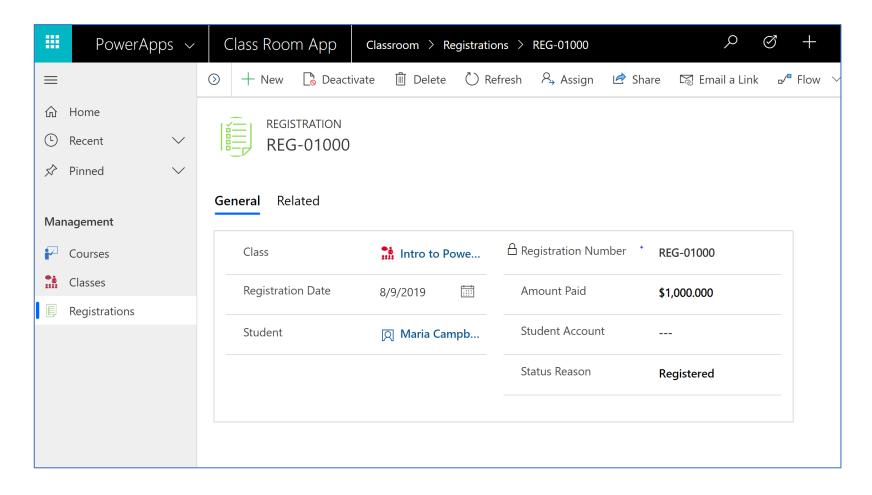




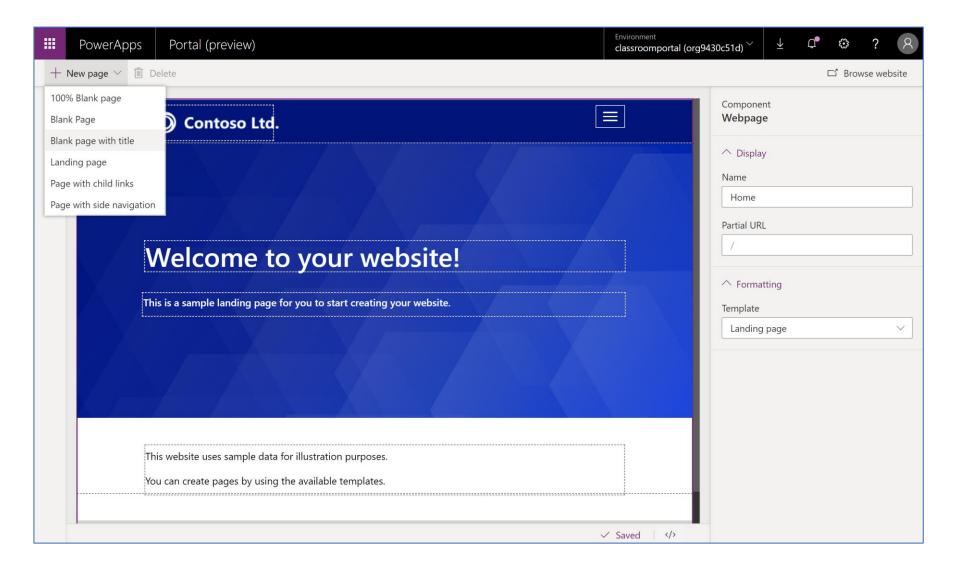
Model Driven App



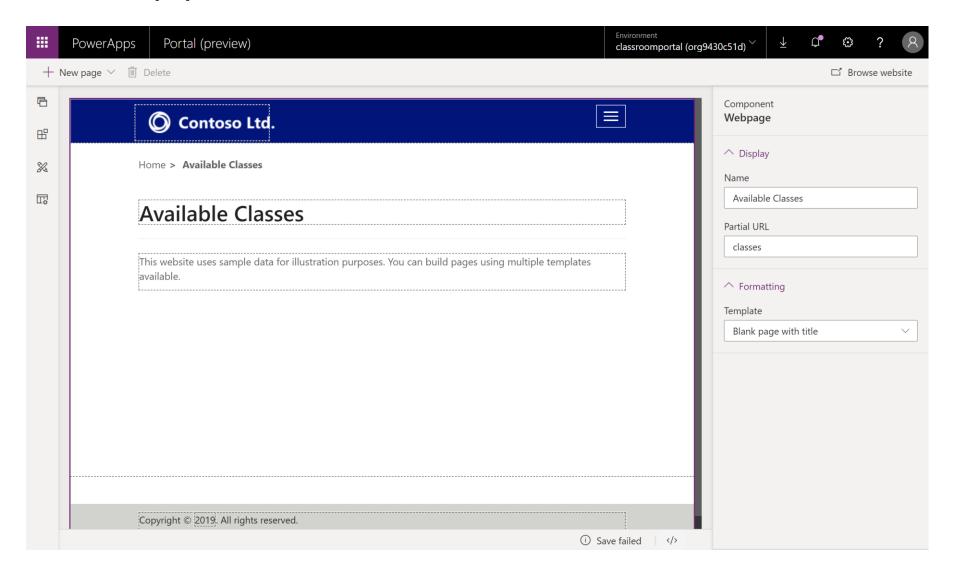
Model Driven App



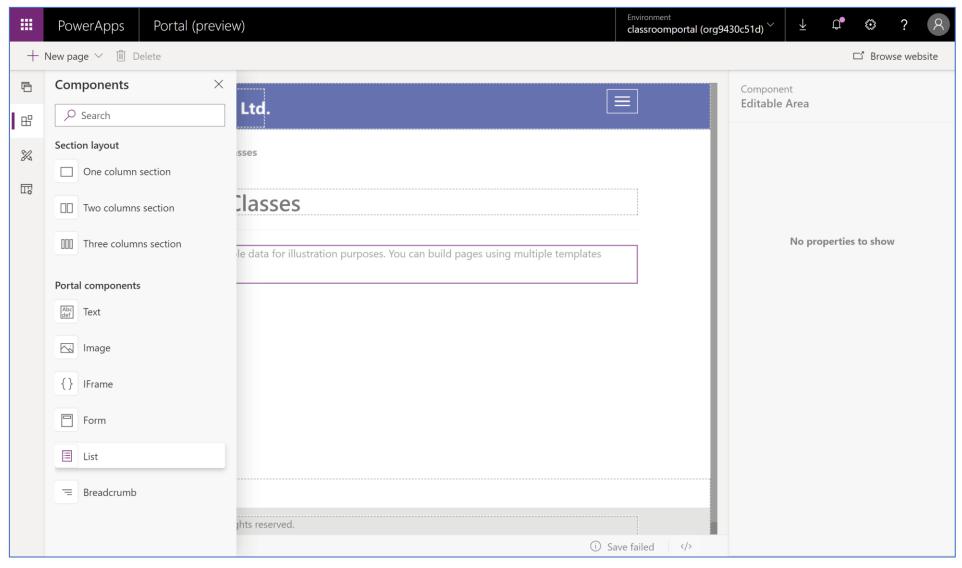
Create New Page



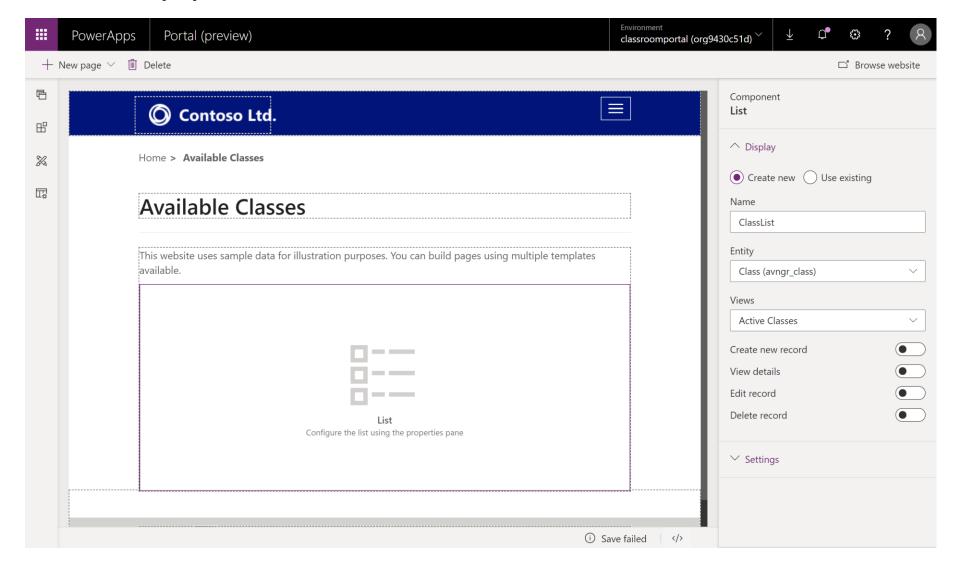
Edit Page



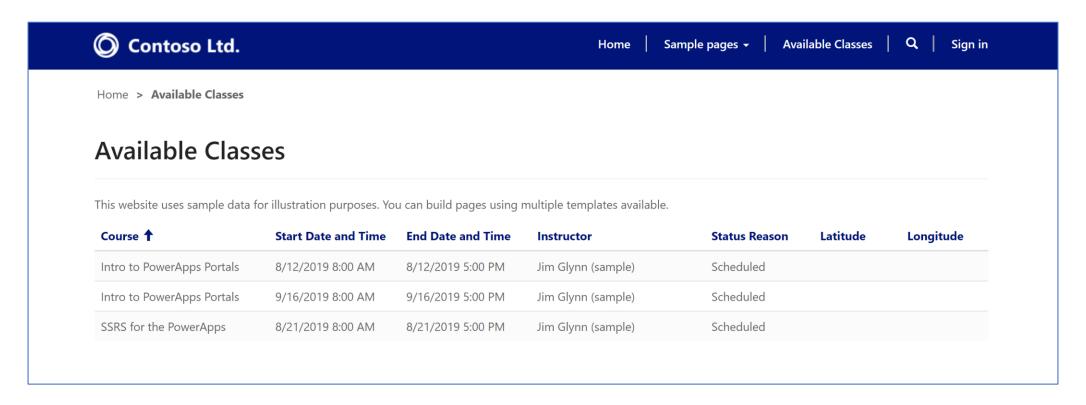
Add List



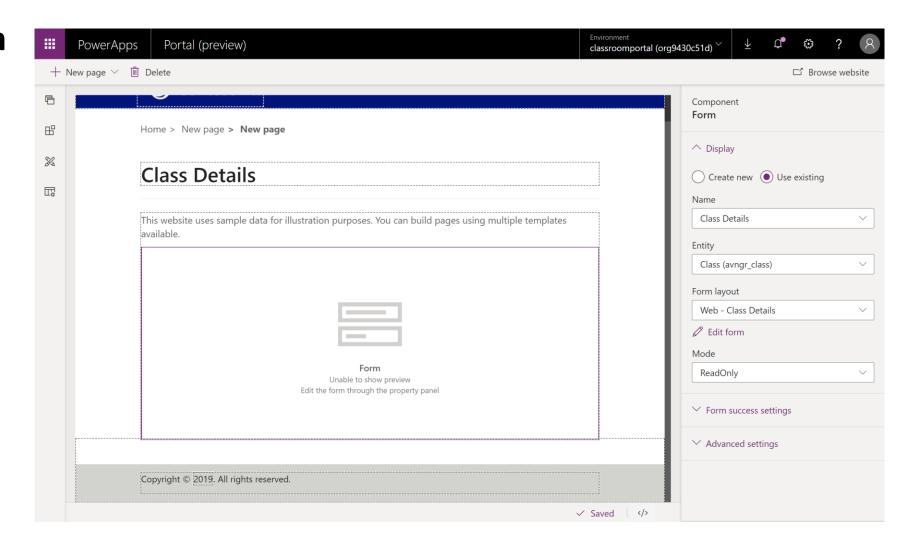
Link List to Model Driven View



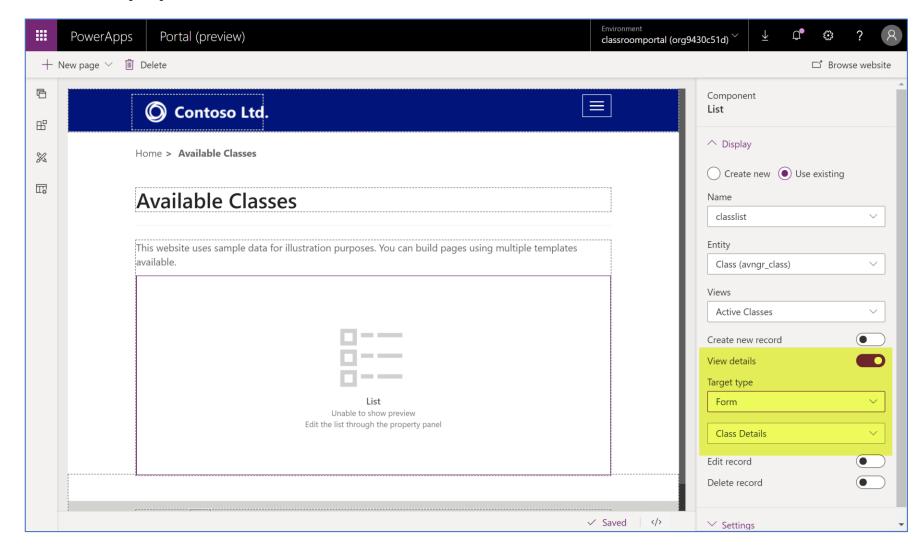
Preview Portal App



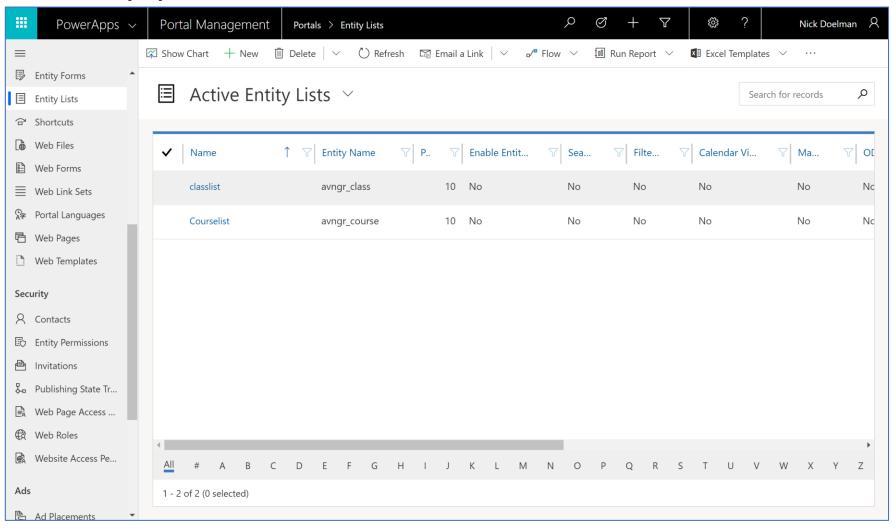
Add Detail Form



Edit List Control to navigate to form

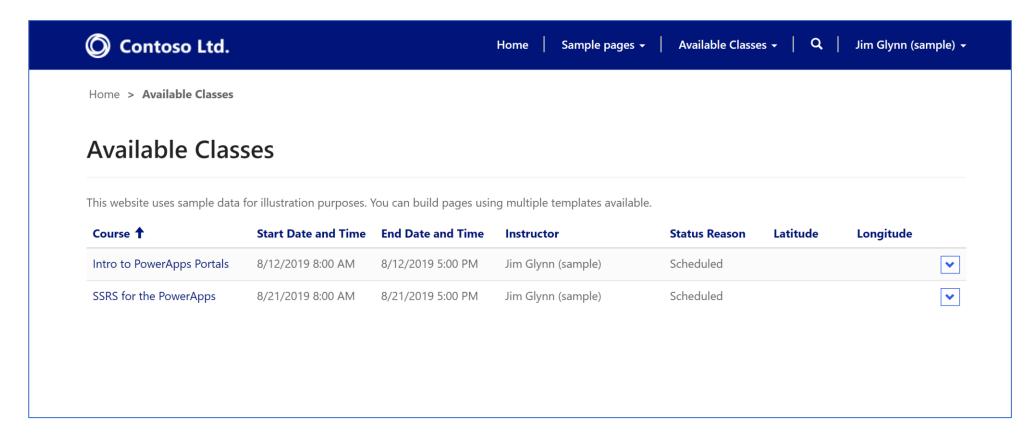


Portal Management App

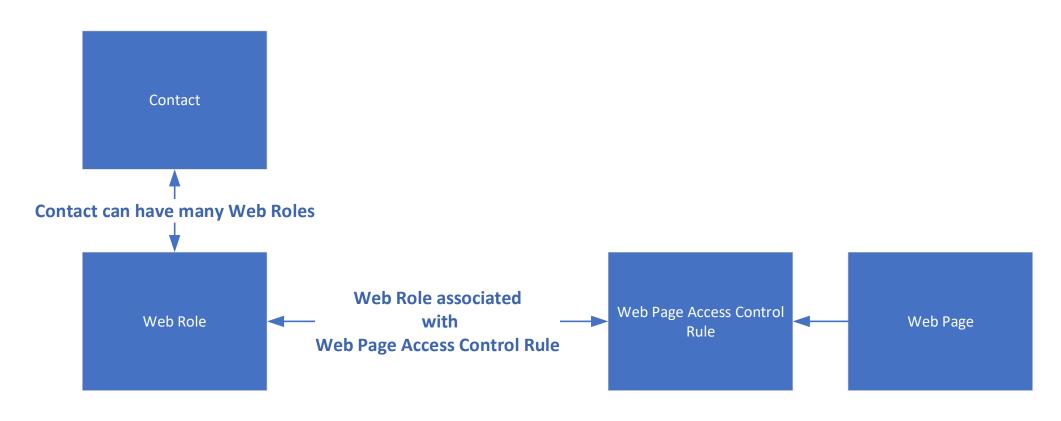


Allow users to

login



Web Page Access Control Rule



PowerApps Portals Licensing

User Type	Model	SKU Names	Unit capacity	Price/month	Channel	Comments
External user (authenticated)	Per log in	PowerApps Portals login capacity add- on	100 logins	\$200	All	A login provides the authenticated user with access to a single portal for up to 24 hours Multiple logins during the 24-hour period count as 1 billable login
		PowerApps Portals login capacity add- on Tier 2	1000 logins	\$1000	All	
		PowerApps Portals login capacity add- on Tier 3	5000 logins	\$3500	CSP Only	
External user (Unauthenticated)	Per page view	PowerApps Portals page view capacity add-on	100,000 page views	\$100	All	
Internal user	Via license	Dynamics 365 (various) PowerApps per app plan PowerApps per user plan	N/A	N/A	N/A	Custom portal use rights are aligned with custom app use rights

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 (please contact me)
- Online Learning (working on it!)