

# Power Apps Hands-on Lab

## Module 1

### Building Basic Model-driven Common Data Service Application for Deployment Using Azure DevOps

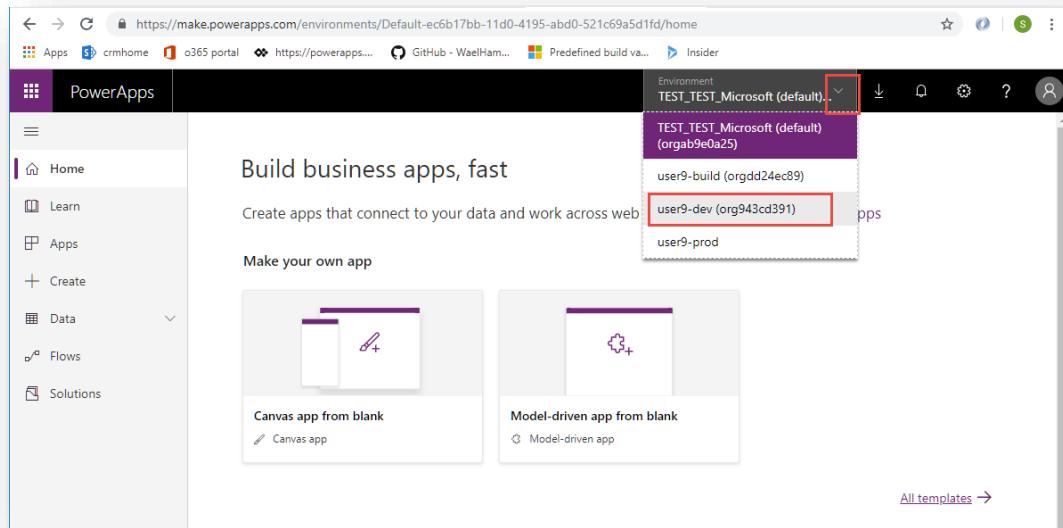
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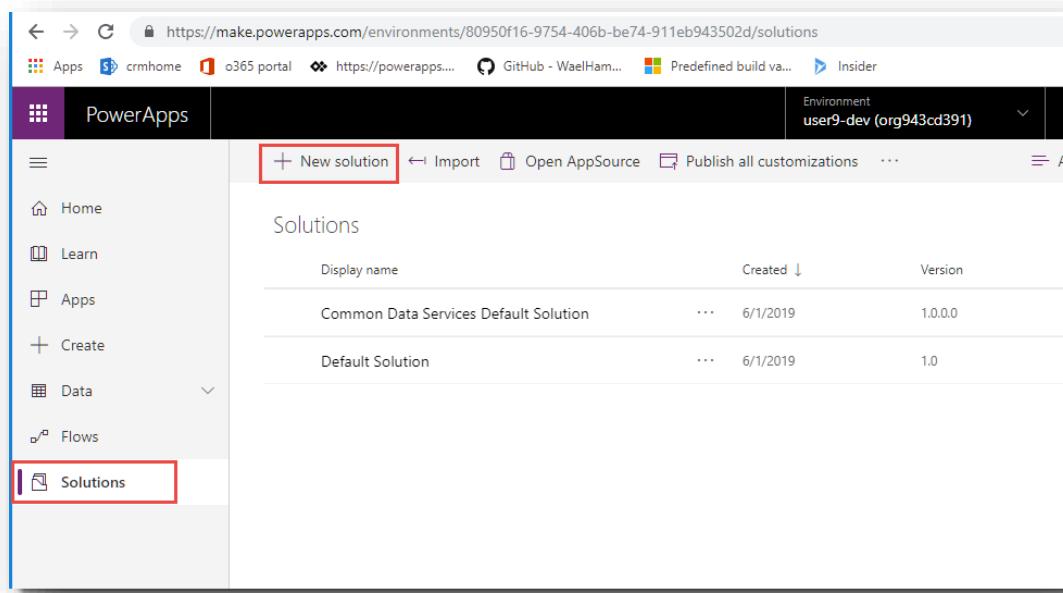
# PowerApps

In this lab you will be creating a basic model-driven Microsoft Dataverse application to use with module 2 of the lab to automate the Application Lifecycle Management (ALM) of the application.

1. Navigate to make.powerapps.com and sign in with your credentials. Click the environment selector dropdown in the header and select your development environment.

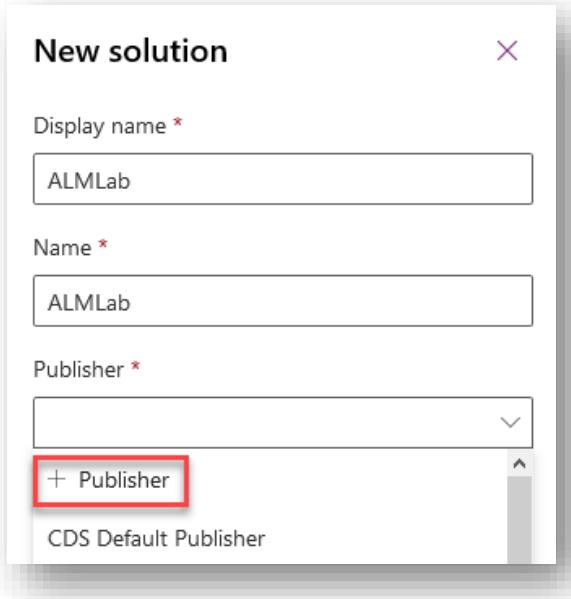


2. Click the **Solutions** area in the left navigation then click the **New solution** button to create a new solution.

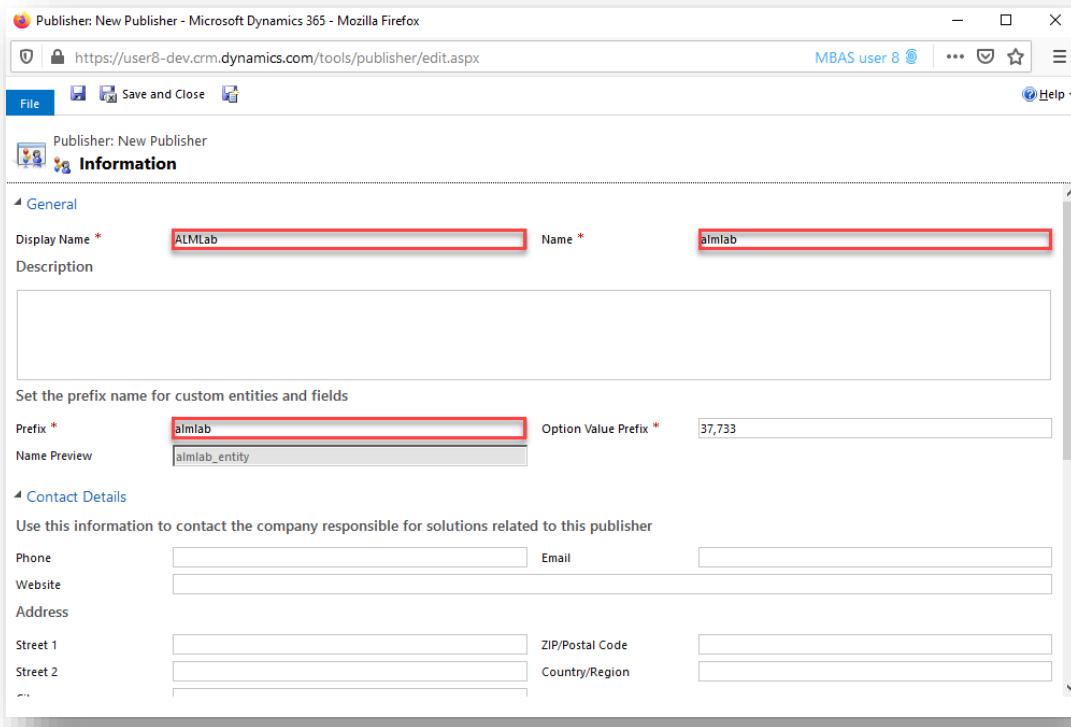


3. In the side panel that appears, enter a name for the application and click the dropdown for the publisher, and then click the **+ Publisher** option

Note: The solution publisher specifies who developed the app, so you should always create a solution publisher name that is meaningful. Furthermore, the solution publisher includes a prefix, which helps you distinguish system components or components introduced by others and is also a mechanism to help avoid naming collisions. This allows for solutions from different publishers to be installed in an environment with minimal conflicts.



4. A new window will pop up. If a window does not pop up, check your popup blocker settings. For the purposes of this lab, enter ALMLab for the display name, name, and prefix and click Save and Close.



Publisher: New Publisher - Microsoft Dynamics 365 - Mozilla Firefox  
https://user8-dev.crm.dynamics.com/tools/publisher/edit.aspx MBAS user 8 Help

Publisher: New Publisher

**Information**

**General**

Display Name \*  Name \*

Description

Set the prefix name for custom entities and fields

Prefix \*  Option Value Prefix \*

Name Preview

**Contact Details**

Use this information to contact the company responsible for solutions related to this publisher

Phone  Email

Website

Address

Street 1  ZIP/Postal Code

Street 2  Country/Region

...

5. On the new solution panel, select the publisher that you just created, give the application a version number, and click **Create** to create a new unmanaged solution in the environment.

New solution X

Display name \*

Name \*

Publisher \*

ALMLab

[Edit publisher](#)

Version \*

More options ▾

Create Cancel

6. In the solutions list, select the solution you just created and click the **Edit** button.

The screenshot shows the Power Apps interface with the 'Solutions' section selected in the left navigation bar. A single solution named 'ALMLab' is listed. The 'Edit' button for this solution is highlighted with a red box. The 'Display name' column shows 'ALMLab' with a checkmark icon, and the 'Name' column shows 'ALMLab' with three dots.

7. Your new solution will be empty, and you need to add components to it. In this lab we will create a custom entity. Click the **New** dropdown from the top navigation and select **Entity**.

This screenshot is identical to the one above, showing the Power Apps interface with the 'Solutions' section selected. The 'ALMLab' solution is selected, and the 'Edit' button is highlighted with a red box. The 'Display name' column shows 'ALMLab' with a checkmark icon, and the 'Name' column shows 'ALMLab' with three dots.

8. Enter a display name and plural name. The system will fill out the entity name and other fields for you. Click **Create** to create the entity.

New entity X

Display name \*

Plural display name \*

Name \* i

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**Primary Field** i

Display name \*

Name \* i

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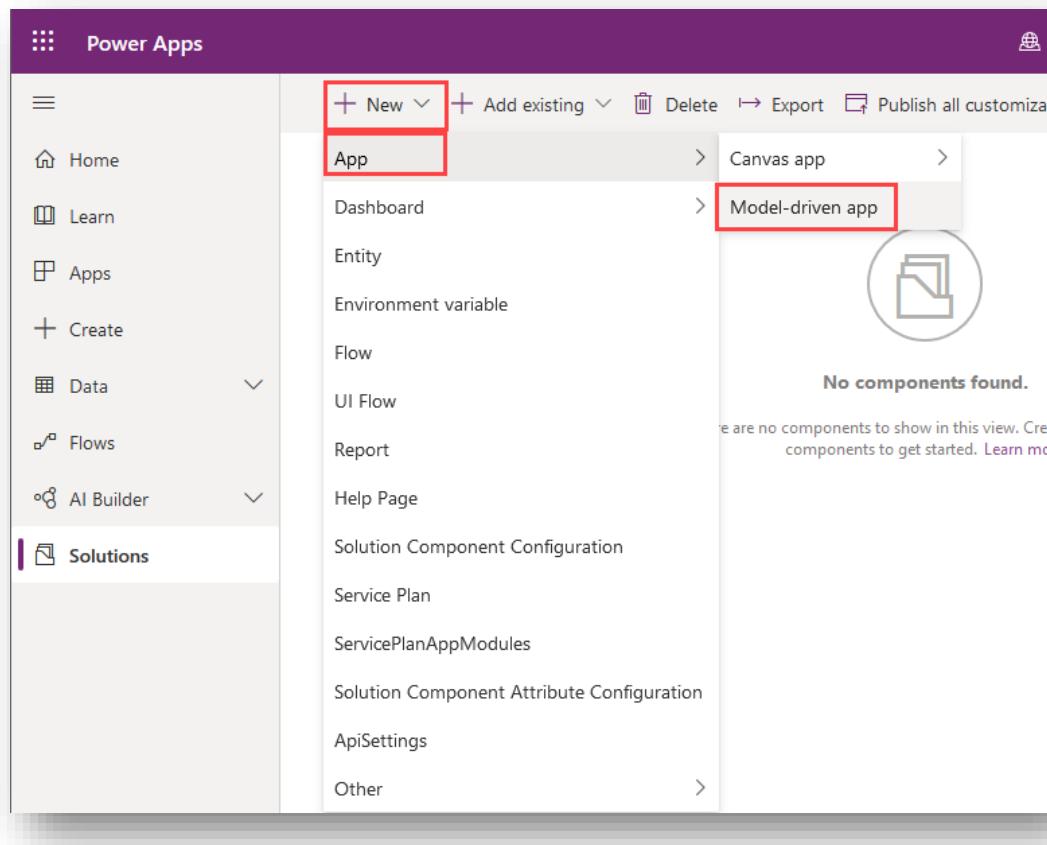
Enable attachments (including notes and files)

More settings ▾

Create Cancel

9. Once your entity is created, click the solution name again to go back to the solution view to add another component

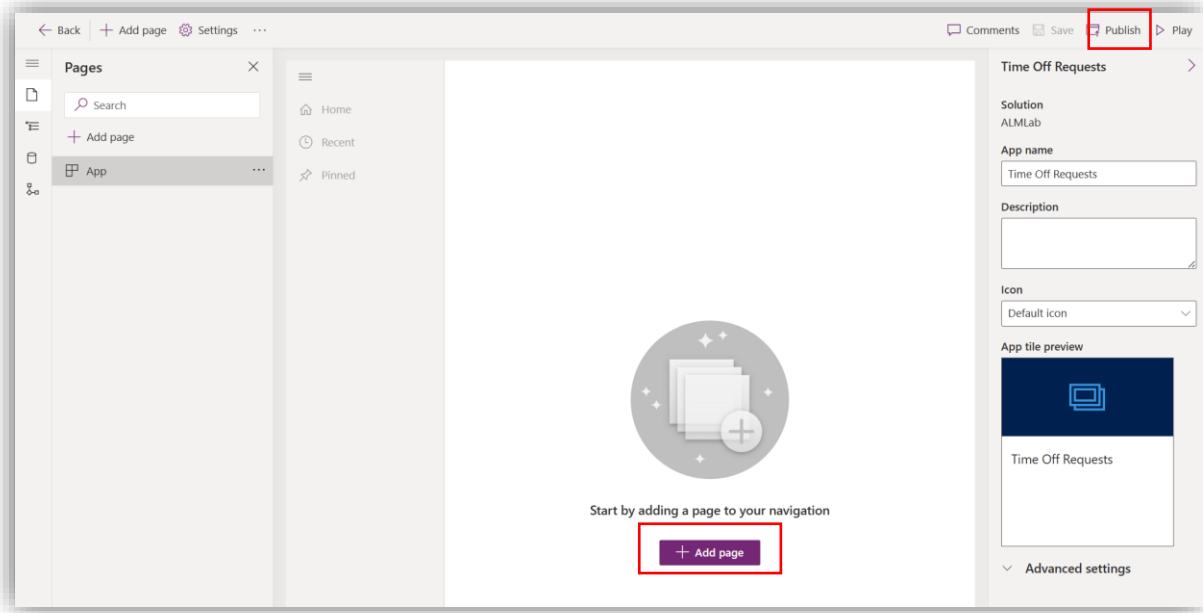
10. Click the **New** dropdown, then **App**, and **Model-driven app**.



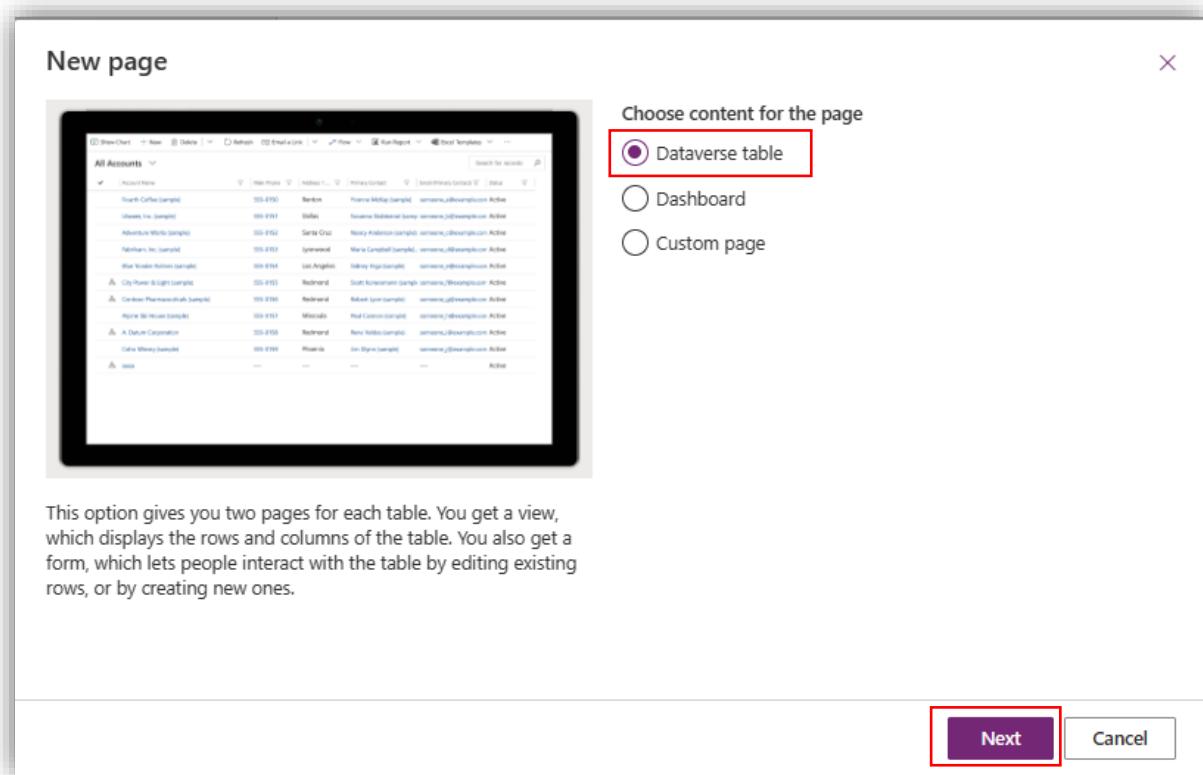
11. Enter an application name and click the **Create** button.

The screenshot shows a modal dialog box titled 'New model-driven app'. It contains a 'Name \*' field with the value 'Time Off Requests' highlighted with a red box. Below it is a 'Description' field with an empty text area. At the bottom of the dialog, there is an 'Advanced' section with a downward arrow, and at the very bottom are two buttons: a purple 'Create' button and a white 'Cancel' button.

12. Click Publish the click + Add page.

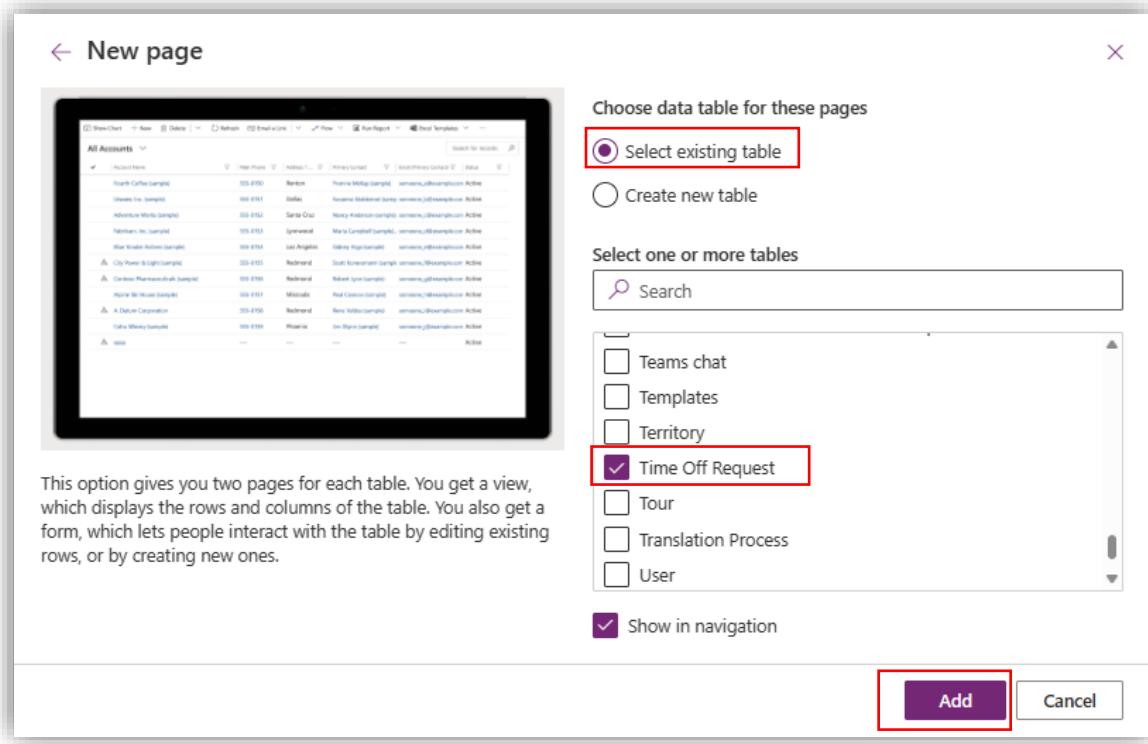


13. Select a Dataverse table and click Next.



This option gives you two pages for each table. You get a view, which displays the rows and columns of the table. You also get a form, which lets people interact with the table by editing existing rows, or by creating new ones.

14. Select an existing table and **Time Off Request** from the tables below. Click **Add**.



**New page**

Choose data table for these pages

Select existing table

Create new table

Select one or more tables

Search

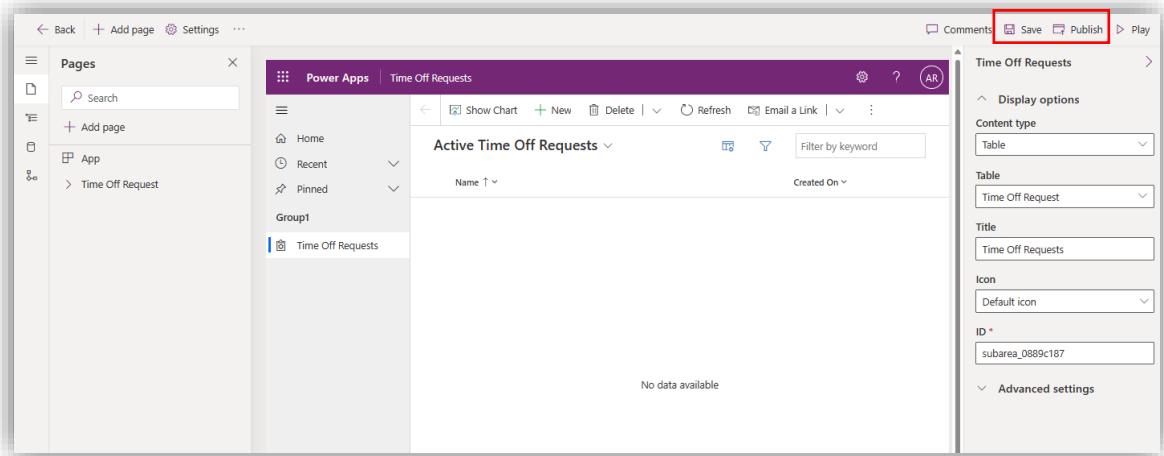
- Teams chat
- Templates
- Territory
- Time Off Request
- Tour
- Translation Process
- User

Show in navigation

Add Cancel

This option gives you two pages for each table. You get a view, which displays the rows and columns of the table. You also get a form, which lets people interact with the table by editing existing rows, or by creating new ones.

15. Click **Save** and then click **Publish**.



Back + Add page Settings

Pages

Power Apps | Time Off Requests

Home Recent Pinned Group1 Time Off Requests

Active Time Off Requests

Name ↑ Created On ↓

No data available

Comments Save Publish Play

Time Off Requests

Display options

Content type Table

Table Time Off Request

Title Time Off Requests

Icon Default icon

ID \* subarea\_0889c187

Advanced settings



16. Click **Play**. When you get a pop-up, click **Publish** and **Play**. This will take you to the application so that you can see how it looks. You can use the application and close the tab when you are satisfied.

A screenshot of the Microsoft Power Apps canvas interface. The top navigation bar is purple with the "Power Apps" logo and the title "Time Off Requests". Below the navigation bar is a toolbar with icons for "Show Chart", "New", "Delete", "Refresh", "Visualize this view", "Email a Link", "Flow", and a gear icon. On the left side, there is a sidebar with a "Home" section containing "Recent" and "Pinned" items, and a "Group1" section. Under "Group1", the "Time Off Requests" item is selected and highlighted with a blue border. The main content area is titled "Active Time Off Requests" and shows a table with columns "Name ↑" and "Created On". A message "No data available" is displayed in the center of the table area. At the bottom right of the main content area is a "Filter by keyword" input field.