Configure the Real Estate Demonstration.

Included with the instructor content, is an example real estate solution that you can leverage to showcase to students how the different components of the Power Platform can be leveraged together to build an end-to-end solution that supports different business cases.

The real estate solution is a simple solution that includes several components that you can leverage as a starting point. Feel free tailor or expand on the solution as you feel necessary to help when delivering the class.

The real estate solution includes the following:

* Apps
  + Property Intake App (Canvas App)
  + Real Estate Internal (Model Driven App)
* Chat Bot
  + Real Estate Helper Bot
* Choices
  + Bedrooms
  + Bathrooms
  + Level of Interest
  + Property Type
* Processes
  + Showing to Closing BPF
* Tables
  + Closing
  + Counter Offer
  + Offer
  + Open House
  + Property Images
  + Real Estate Property
  + Showing to Closing
  + Similar Property

**NOTE:** *All the tables and other related information in the solution leverage U.S, address formats. If you are delivering this course in another country, you might want to consider making changes to address formats to ensure that the examples will resonate better with your specific audience.*

**Task 1: Import the Real-Estate Solution**

1. In new browser tab in the same instance, navigate to [**https://make.powerapps.com**](https://make.powerapps.com)
2. Ensure that you are in the environment that you want to import the solution into.
3. Using the navigation on the left, select **Solutions**
4. On the command bar, select **Import**.
5. Select the **Browse** button
6. Locate the **RealEstateManagement\_1\_0\_0\_13.zip** unmanaged solution that is included in your instructor files.

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1. Select the **Next** button.
2. Select the **Import** button.
3. **IMPORTANT:** After the Import is complete, be sure to select the **Publish All Customizations** button. *If you do not Publish Customizations, you will not be able to launch The Real Estate Internal Model Driven Application.*

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**Task 2: Import Sample Data**

To ensure that you have some property data that you can leverage, we have included an Excel file that includes multiple property listings that you can leverage so you have some data to work with. If you would rather add your own properties to the application, you can add those manually.

1. Once you are in the Power Apps maker portal, us the Navigation on the left to select **Apps**.
2. Select the **Real Estate Internal** Model-driven application to open it.
3. Using the navigation on the left, select **Real Estate Properties**.
4. On the **Command Bar** at the top, select **Import from Excel**.
5. In the **Menu** that appears, select **Import from CSV**.

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1. On the **Import from CSV** screen, select the **Choose File** button. (*Make sure you select CSV and not XML*)
2. Locate the **RealEstate\_Properties CSV** file that was located in your Instructor files.

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1. Select the **Next** button
2. Leave everything as is and select the **Review Mapping** button.
3. On the **Mapping** screen map the **PropertyName** field to **Property Name**.

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1. Map the **BedRooms** field to the **bedroom** option set field.
2. Verify the values are mapped correctly and select the **OK** button.

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1. Map the remaining fields as follows:
   * **City** = City
   * **Price** = Asking Price
   * **State =** State
   * **Street 1** = Street Address 1.
   * **Year Built =**
   * **Zip** = Postal Code
   * **City =**
2. Your completed mapping should resemble the image below:

Graphical user interface, table

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1. Select the **Finish Import** button
2. It can take several minutes for your data to import into the application. After your data has finished importing, when you select **Real Estate Properties**, you should see something similar to the following.

A screenshot of a computer

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**Task 3: Add Property Images (Optional)**

In addition to the real estate properties table, there is a Property Images table that can be used to display different property images for several of the listings that you will be showing in your demo. If you would like to have images, be displayed for a property, you can use the steps below to ensure that images are displayed.

1. If necessary, open the **Real Estate Internal** application model driven application.
2. Using the navigation on the left, select **Real Estate Properties**.
3. Select the one of the **Real Estate Properties** that you want to add images to and open the record.
4. On the record, select the circle next to the Property name.

Graphical user interface, text, application, email

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1. On the **Choose Image** screen that appears, select the **Upload** Image button.
2. Navigate to the Property Images folder that was included in your Instructor Files.
3. Select one of the Exterior images to leverage for the property, then select **Open**.

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1. Select the **Change** button.

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1. Your property Image will now have a primary image associated with it.

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Next you can add some individual images to different properties.

1. On the record, select the **Related** tab.
2. From the menu that appears select **Property Images.**
3. Select **New Property Images**
4. In the **Name** field, enter a name for the image such as *kitchen*, or *entry way*.
5. Select the **Save** button to save the button and leave it open.
6. On the **Property Image** field, select the **Choose File** button.
7. Select an image from the **Property Images** folder, and select **Open,**
8. **Your completed record will resemble the image below.**

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1. Select **Save and Close**

You can repeat the above steps to add multiple images to the property listing. Once you have added the images you want, move to another property and repeat the process until you have added enough data to demo the application to your liking.

**Optional Steps Items**

Another option that you can do, is to add some related records to your application. There are tables for Showings, Open Houses, and Offers. Adding some records to a few of the Property Listings will allow you wot be able to showcase those items as you demonstrate the application.

You can repeat the above steps to add multiple images to the property listing. Once you have added the images you want, move to another property and repeat the process until you have added enough data to demo the application to your liking.

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**Task 4: Import the Real Estate PBIX file into Power BI (Optional)**

Another way that you can showcase the all the different Power Platform components working together is by demonstrating how to leverage Power BI. We have included a PBIX file that you can import into your environment, and then either demonstrate leveraging the report in Teams, stand alone in Power BI, or by embedding in a Model driven application. To import the Power BI Report, follow the steps below:

1. Open a new browser tab in the existing browser session.
2. Navigate to [www.PowerBI.com](http://www.PowerBI.com)
3. If prompted, login with the same credentials as your demo tenant.
4. In the lower left portion of the screen, select **Get Data**.
5. In the **Create New Content** section, under **Files,** select the **Get** button.

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1. Select Local File.
2. Locate and select the **Realestate Sample.pbix** file from the Power BI folder, and click **OK**.
3. Complete the Import.

**Task 5: Make the Real-estate helper bot available in Teams (Optional)**

One way that you can demonstrate flexibility is to show how PVA bots can be leveraged in different scenarios. You can do this by making the bot available in the Microsoft Teams environment that associated with your training environment.

**IMPORTANT:** *If you are delivering this course remotely, you will need to make sure that you are not leveraging the same Teams instance you are using for the class. Import the bot into a different Teams Instance and then open the Teams instance in web browser.*

1. If necessary, open a new browser tab and navigate to <https://make.Powerapps.com>.
2. Using the navigation on the left, expand **Chatbots**.
3. Select **List**, and then open the **Real Estate Helper Bot**.

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1. Using the navigation on the left, select **Publish**.
2. Select the **Publish** button.

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1. Once your Bot is published, use the navigation on the left to expand **Manage**.
2. Select **Channels**.
3. Select **Microsoft Teams**.
4. Choose **Turn on Teams**.
5. Once you bot appears in the menu, choose Open Bot.

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1. After Teams opens, select the **Add** button.
2. Your bot will now be available in Teams.

**Demonstrating the Power Platform**

Now that you have everything configured you can demonstrate the Power Platform. Setup the scenario by introducing a real-estate company. Explain what the real-estate agents need when working in the field, as well as what the mangers need.

**IMPORTANT:** You are not showing students how to build the items at this point. Focus on how the different elements can be leveraged from an end user perspective. Focus on telling a story of the day in the life of a real estate company. What are the agents doing? How does management leverage the Power Platform? This helps students understand the business value that is being provided by the power platform.

You can demonstrate the following:

1. **PVA:** Show how real-estate agents can leverage the Real-estate Helper bot in Teams to ask questions about open house procedures as they get ready to schedule an open house.
   1. You can also walk through using the bot to demonstrate how it can help the agents in scheduling an open house. (The item will not be posted anywhere, but students can see what that might look like.
   2. Enter Open House with COVID-19 as you trigger. This will walk you through the bot.
   3. Enter Schedule a Open House. The bot will walk you through a simulated open house scheduling.

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1. **Power BI:** In Microsoft Teams, create a team ahead of time called Real Estate. You can add the Real Estate Power BI Report as a Tab for the Team. Here you can show how Power BI Analytics can be leveraged from right within Teams.

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1. **Canvas Application:** Open the Property Intake Canvas application to showcase how canvas application can be leveraged to fill specific needs. In this instance you can showcase the following:
   1. Leverage the searching functionality to search for properties by city (the sample data includes Fargo, Moorhead, and West Fargo)
   2. Select a property to show how details related to the property will be displayed in the application.
   3. Demonstrate how agents could add new properties
      1. Selecting use GPS for current location will remove the address fields from the form.
      2. Selecting add photos allows you to demonstrate how to interact with devices.
   4. The schedule Open house button is not configured, but you could configure that if you want.

Graphical user interface, website

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1. **Model-Driven Application:** Open the Real Estate Internal Application to showcase how managers might leverage it to see property listings
   1. Select Real Estate Properties to show how to view Property Data.
   2. If you set the year Built field to a number less than 2000, a business rule will run that provides a recommendation for an inspection.
   3. Demonstrate how to use the Related Details to view items like Open Houses, showings, etc.
   4. There is a business process attached to the showing table. You can use that to demonstrate hos you might make an offer on a property.

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