

# Lab Module 5.1 (Optional):

# Connect the data from the canvas app, and implement an Al Builder form processor

WorkshopPLUS – Power Platform: Power Apps for Power User

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# Lab overview

### Introduction

Now that you have created the list to store device order requests, let's connect your Device Orders app to this entity and add a form to submit device approval requests.

## **Objectives**

After completing this lab, you will be able to:

- Connect SharePoint list as data source
- Configure Al Builder form processor
- Configure and add form
- Submit Form

### **Prerequisites**

Ensure you are using the "Incognito" or "InPrivate" browsing session of your modern browser. Additionally, use the latest version of Microsoft Edge (aka Edge Chromium) for the best performance.

### Estimated time to complete this lab

45 mins

### Scenario

The organization wishes to build apps using the Power Apps platform to take advantage of **No Code/Low Code** application development in the cloud. As part of this effort, you are required to add new data source (SharePoint list), configure, add and submit form, add/remove gallery controls, manipulate the navigation, and test the functionality of your app.

# **Exercise 1: AI Builder**

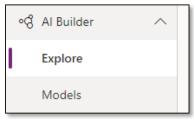
In this exercise, you will learn how to use Al builder to create a form processing app.

**Note:** Prerequisites – you should ensure that before attempting this module, that you have saved the five sample invoices to a local folder.

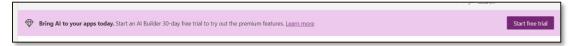
### Task 1: Create the form processing model

In this task, you will learn how to create a form processing model. Form processing identifies the structure of your documents based on examples you provide to extract text from any matching form.

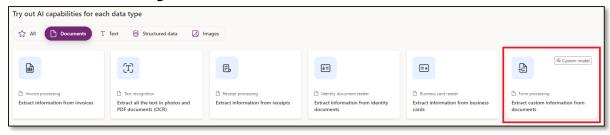
Navigate to <a href="https://make.powerapps.com">https://make.powerapps.com</a>, then select Al Builder -> Explore in the left navigation menu



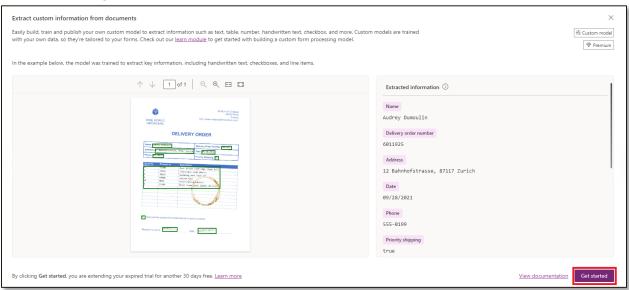
2. Click **Start free trial** (or **Extend trial** if you tried it before)



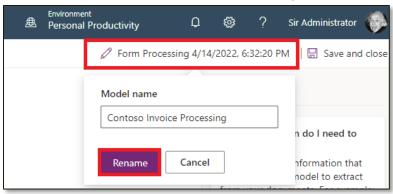
3. Select Form Processing – Extract custom information from documents



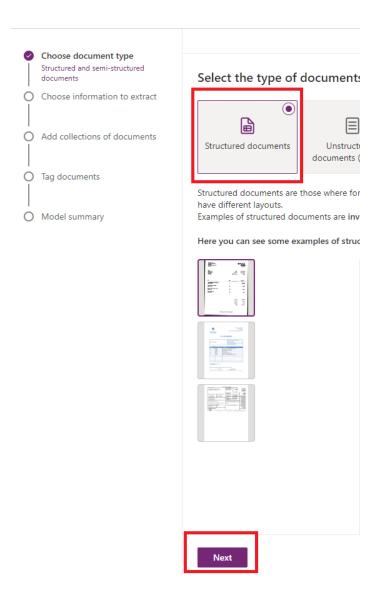
4. In the next dialog click Get started



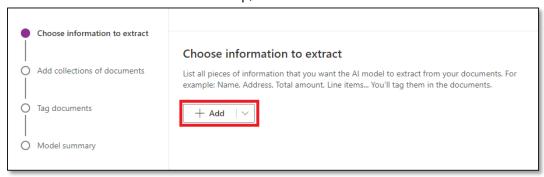
5. In the top right corner click on Form Processing model name and rename it to **Contoso Invoice processing** 



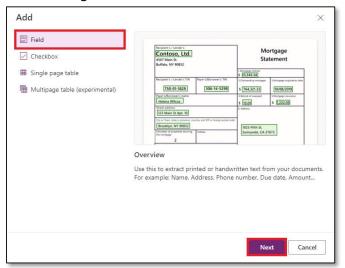
- 6. Click Rename
- 7. Select **Structured documents** and click **Next**



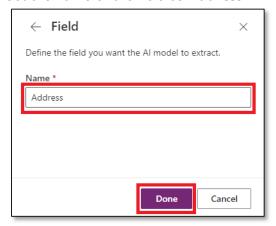
8. In 'Choose information to extract' step, click +Add button



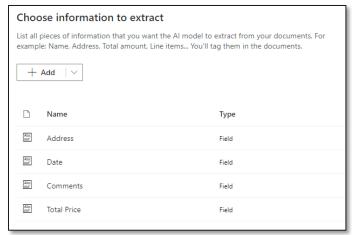
9. In Add dialog, select Field, and click Next



10. Set the name of the field as Address

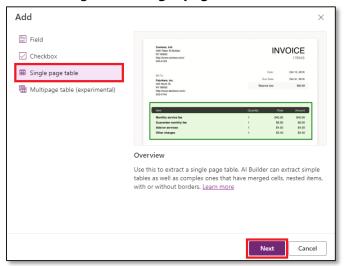


11. Repeat steps 7-9 to add Date, Comments, Total Price fields

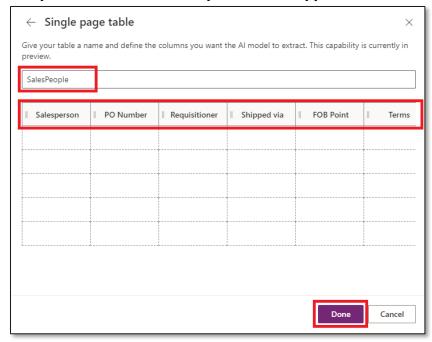


12. In 'Choose information to extract' step, click +Add button

13. In Add dialog, select Single page table, and click Next

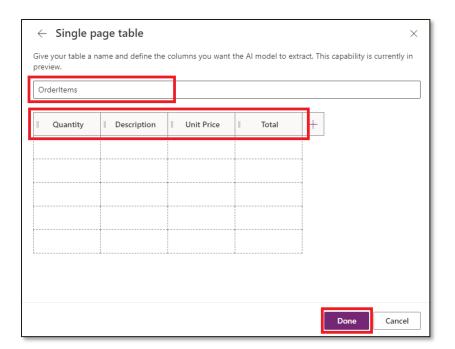


14. Set the name of the field as **SalesPeople** and set up the following columns: **Salesperson, PO Number, Requisitioner, Shipped via, FOB Point, Terms** 

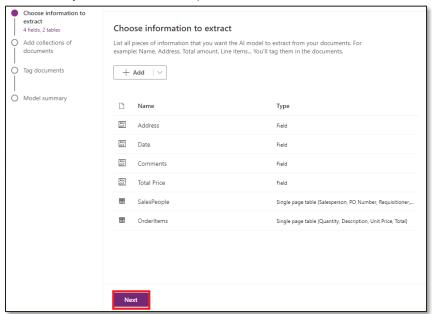


Click Done

15. Add one more **single Page table** called **OrderItems** with the following columns: **Quantity, Description, Unit Price,** and **Total** 

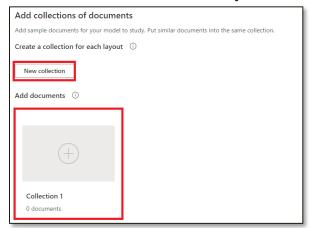


16. Check that you have all the required fields and tables and click **Next** 

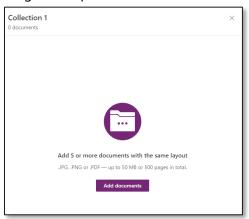


17. In 'Add collections of documents' step, click **New collection** button

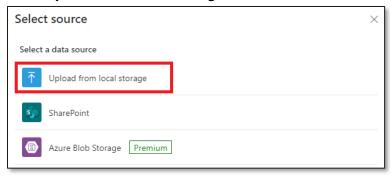
#### 18. Then click on **Collection 1** that was just added



19. In right side panel for **Collection 1**, click **Add documents** button



#### 20. Select Upload from local storage

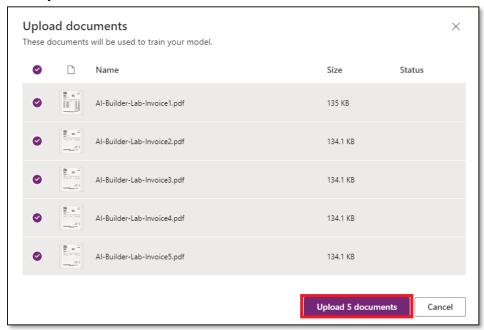


21. Browse to the location where you have saved the five example invoices and select all

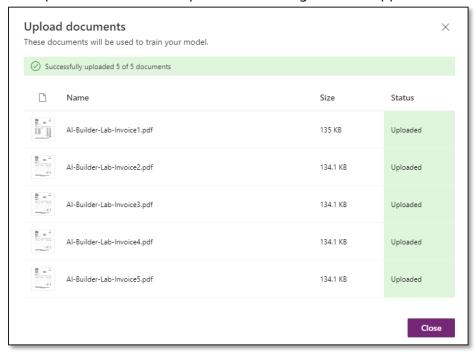


22. Check that all files are selected to use for the model

### 23. Click **Upload 5 documents**



The upload feature will complete, check that green ticks appear next to all files



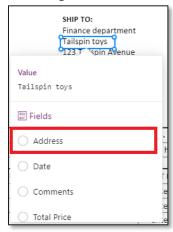
#### 24. Click Close

25. Click **Next** and wait for analysis to complete

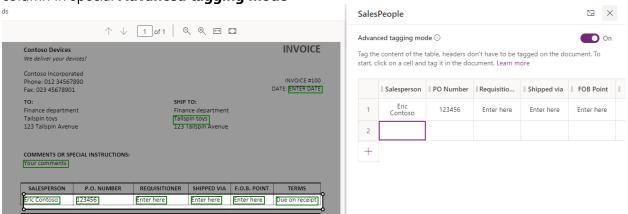


26. In 'Tag documents' step, you will need to tag fields and tables that we defined before for each uploaded document

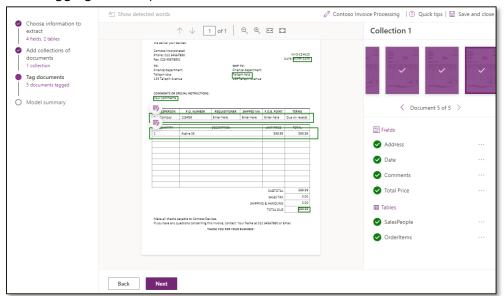
Select region of the document with cursor and assign one of existing field/table tags.



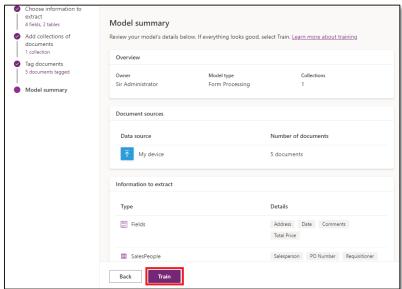
27. When tagging **SalesPeople** and **OrderItems** table, you will also need to tag each column in special **Advanced tagging mode** 



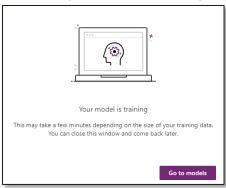
### After tagging all the uploaded documents, click Next



28. Review Model summary and click Train button



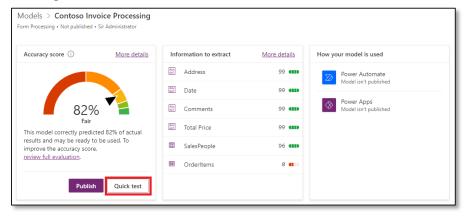
29. Wait while you model is training, then click **Go to models** 



**Note:** Wait until the **Status** column has completed training. Select your model once completed



30. Click Quick test

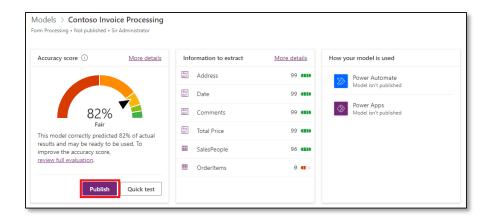


31. Upload one of the invoices from your local folder and check that fields and tables are recognized correctly



Click Close

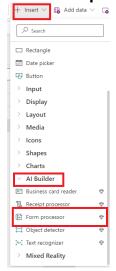
32. Click **Publish** and wait till the model gets published



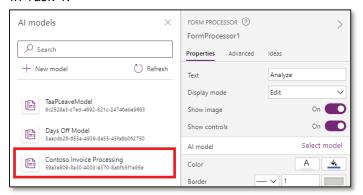
### Task 2: Create a new app and add the model to it

In this task, you will add the form processing model to a new PowerApp.

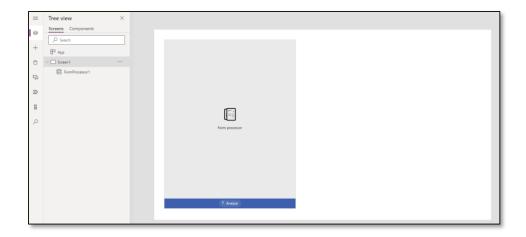
- 1. Browse to <a href="https://make.powerapps.com">https://make.powerapps.com</a>
- 2. Click Create new app
- 3. Click +Blank app -> Canvas app
- 4. In the App name box, enter Al Builder Demo
- 5. Click **Insert** in the command bar
- 6. Click Al Builder
- 7. Select Form processor



8. In the Al model dialog, select the **Contoso Invoice Processing** model that you created in Task 1.



9. Resize the form processing control



### Task 3: Adding model fields

In this task, you will add in data fields from the Contoso Invoice Processing model and display them in the app. You will then add a few test invoices to check that the model is functioning as expected.

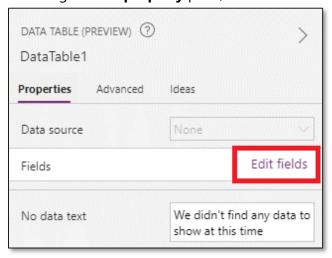
- 1. Click **Insert** on the command bar
- 2. Click **Text label**
- 3. **Move** the label to the **top center** of the screen
- 4. Rename the label lblCustomerAddress
- 5. In the **Text** property, enter the following expression



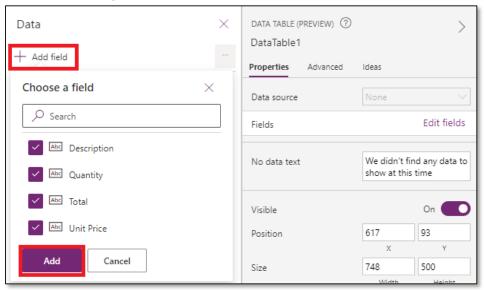
- 6. Click **Insert** on the command bar
- 7. Click **Data table**
- 8. **Move** the data table to the right hand side of the screen
- 9. From the properties drop-down, select Items
- 10. In the formula bar, enter the following **expression**



11. In the right-hand **property** pane, click **Edit** fields

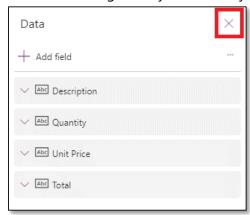


12. In the Data dialog, click on Add field then in the Choose a filed list, select all fields



13. The Data dialog will display each field, you can move these fields to reorder table columns

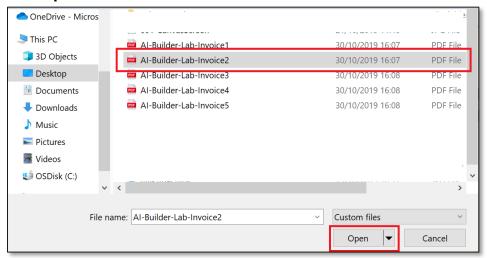
Close the dialog when you are ready



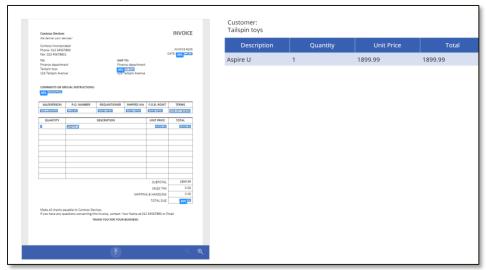
14. Your app should look like the image below



- 15. Enter **preview** mode (F5)
- 16. Click **Analyze**
- 17. In the file explorer window, **browse** to the location where you have saved the invoice files and select one
- 18. Click Open



19. After a short delay, the table should be populated with data from the invoice:



Test again with a few other invoices.

Lab is complete.