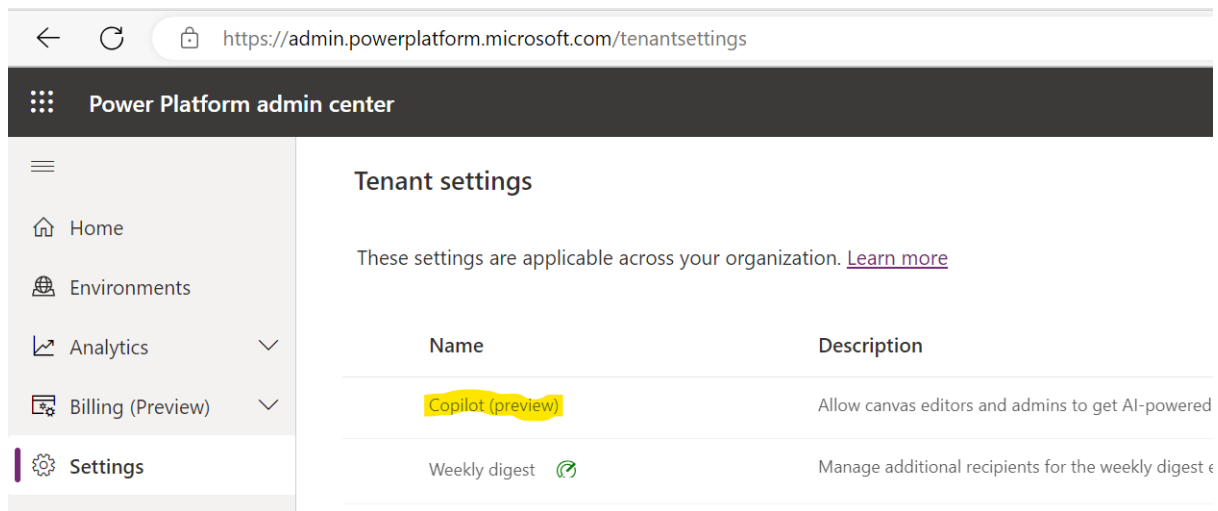


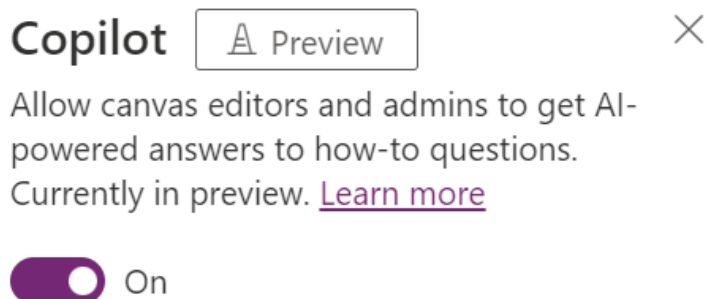
Exercise – Build Power Apps using Copilot

In this exercise, we will look at how Power Apps portal can be used to build apps using Microsoft's Copilot AI feature.

Step 1 - First, head over to <https://admin.powerplatform.microsoft.com/> and select **Settings**, then select Copilot (preview). If you don't see this option, you may need to join a trial waitlist.

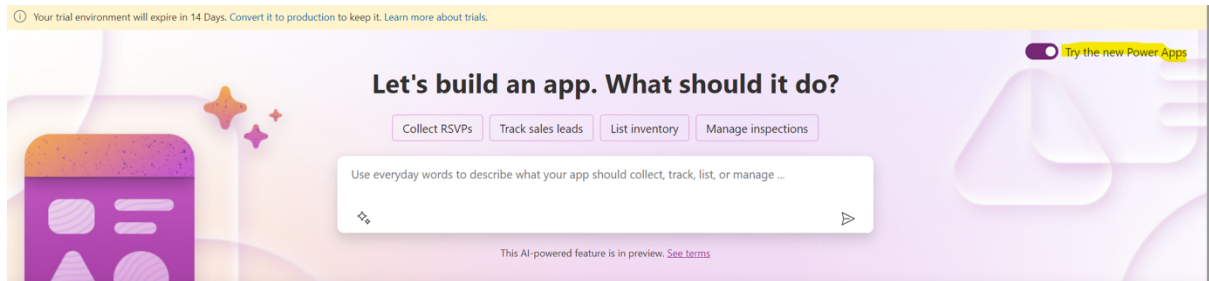


Be sure to turn the feature **On**:

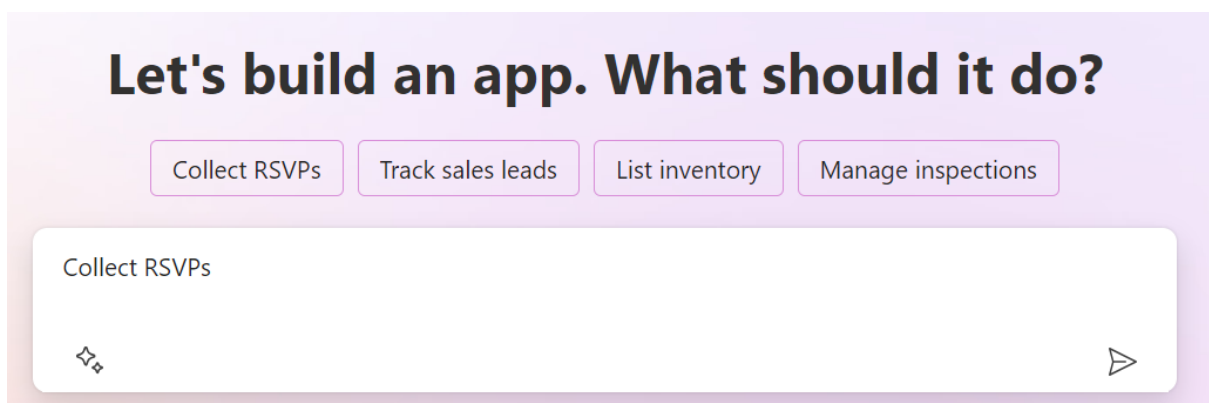


Note - We see Copilot is described as “Allow canvas editors and admins to get AI-powered answers to how-to questions. Currently in preview”.

Step 2 - Let's head over to the Power Apps Maker portal. In the top right, you may need to select "Try the new Power Apps". We now have the ability to type in what we want our app to be, and it will be automatically built for us:



Let's go through each of the suggestions, and we will also try some of our own. First, "Collect RSVPs":



We're taken to this screen which displays details of what the system "thinks" we want to build. In this case, we have a table created with columns for an Id, a Name, email, attending, and number of guests, so pretty typical columns for an RSVP type system:

Power Apps

Search

Environment
Customer Service Trial

?

Create an app

Here's a table for your app

Why a table? Because when you see your app in a moment, the data in this table is what you'll see on the screen. There will also be a form that your users can fill out to add information to the table.

Need anything changed?
Just tell Copilot what you need, and it will make the changes for you.

Suggestions

- Change ... to ...
- Add a column for ...
- Add a row for ...
- Remove the ... row.
- Change the data type for the ... column to ...
- Refresh the data.
- Give me suggestions.

Edit table properties

RSVPs

ID	Name	Email	
0001	John	john@example.com	Yes
0002	Mary	mary@example.com	No
0003	Ada	ada@example.com	Yes
0004	Bob	bob@example.com	No
0005	Alice	alice@example.com	Yes

Cancel

Copilot

Collect RSVPs

Just now

Here is a table for collecting RSVPs

Just now

Describe what you want changed...

Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

Create app

Step 3 - We have the ability to change things as well. Let's change "Number of Guests" to simply "Guests":

123 Guests

2

0

1

3

0

3 minutes ago

Here is a table for collecting RSVPs

3 minutes ago

Change "Number of Guests" to "Guests"

Just now

The RSVPs table has been updated

Just now

Step 4 - Now let’s add a column called “Last Name”. What’s nice is it added data for this new column automatically as well. Interestingly sometimes when I do this it adds other “supporting” columns, but not always:

Abc Last Name ▾

Smith
Johnson
Williams
Brown
Jones

5 minutes ago

Here is a table for collecting RSVPs

5 minutes ago | 👍 🗑

Change "Number of Guests" to "Guests"

A minute ago

The RSVPs table has been updated

A minute ago | 👍 🗑

Add a column "Last Name"

Just now

Here is a table for profile details

Just now | 👍 🗑

Step 5 - Now let’s add a new row, with “Add another sample row”:

📊

Profile Detail

✎

Abc ID ▾	Abc Name ▾	Abc Last Name ▾
0001	John	Smith
0002	Mary	Johnson
0003	Ada	Williams
0004	Bob	Brown
0005	Alice	Jones
0006	David	Davis

Step 6 - How about if we want to change the data type of a column? Clicking on the Id, we see it is currently a text field. Let's change it to an integer with "Change data type for Id to Integer":

The screenshot shows a 'Column properties' dialog box for a column named 'ID'. The dialog has a title bar with a close button (X). It contains the following fields and controls:

- Display name ***: A text input field containing 'ID'.
- Data type ***: A dropdown menu showing 'Single line of text' with a downward arrow. An information icon (i) is next to the label.
- Format ***: A dropdown menu showing 'Text' with a downward arrow.
- Required**: A toggle switch that is currently turned off.
- Advanced options**: A link with a downward arrow.
- Buttons**: 'Update' and 'Cancel' buttons at the bottom right.

The background shows a table with columns 'ID' and 'Name'. The 'ID' column header is highlighted in yellow.

Note - The data type is now updated.

the

123 ID ▾ Abc Name ▾

Column properties

×

Display name *

ID

Data type * ⓘ

123 Whole number ▾

Format *

123 None ▾

☐ Required

Advanced options ▾

Update

Cancel

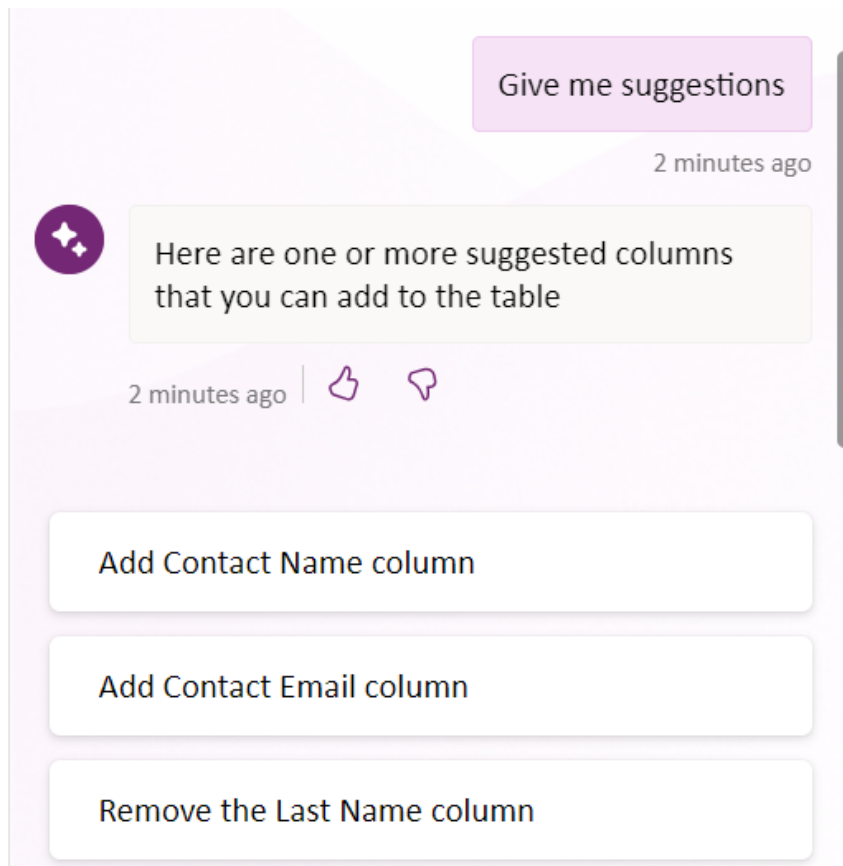
Note - If we say “Refresh data” we get totally new data:

Profile Detail

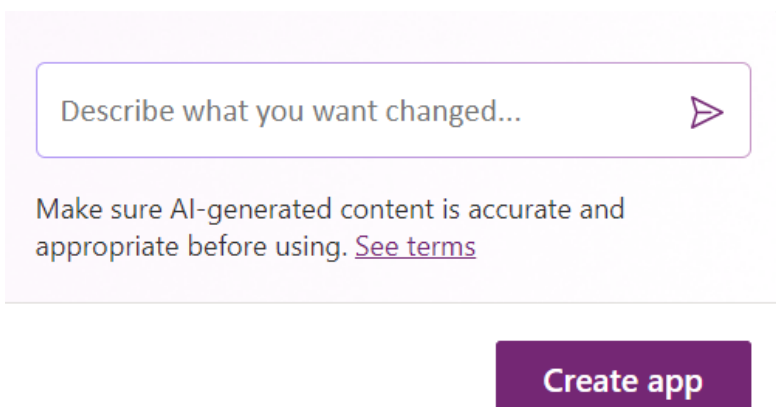
123 ID ▾	Abc Name ▾	Abc Last Name ▾
1	John	Smith
2	Mary	Johnson
3	Ada	Williams
4	Bob	Brown
5	Alice	Jones

Step 7 - Type in “Give me more suggestions” we get the following:

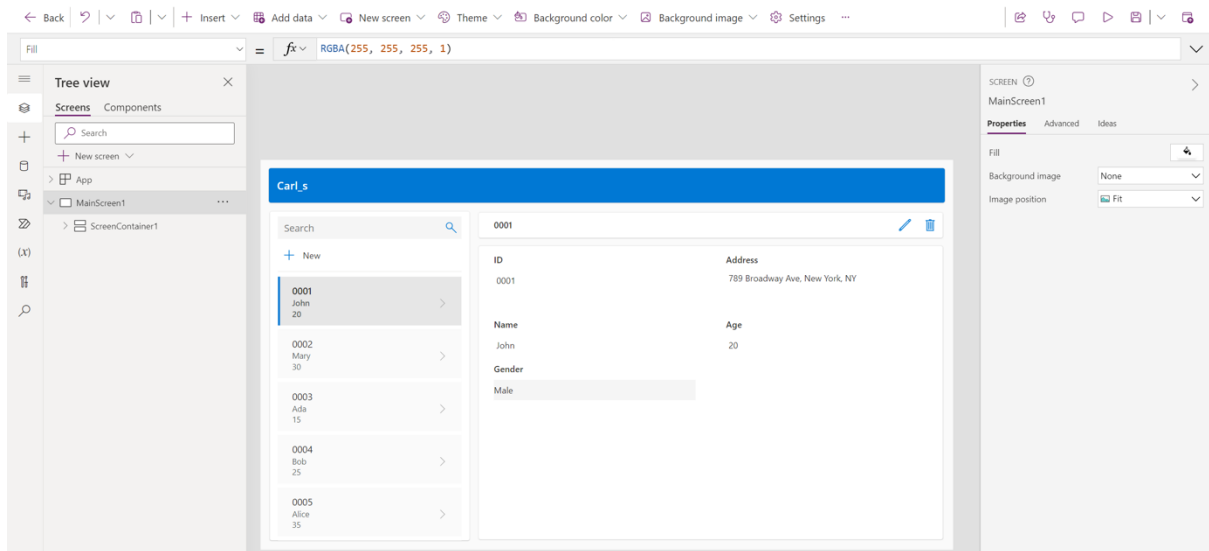
- Add contact name column
- Add contact email column
- Remove last name column



Step 8 - You can see, it's very much up to how you want your app built as to what suggestions you follow. Now let's go ahead and click Create App:

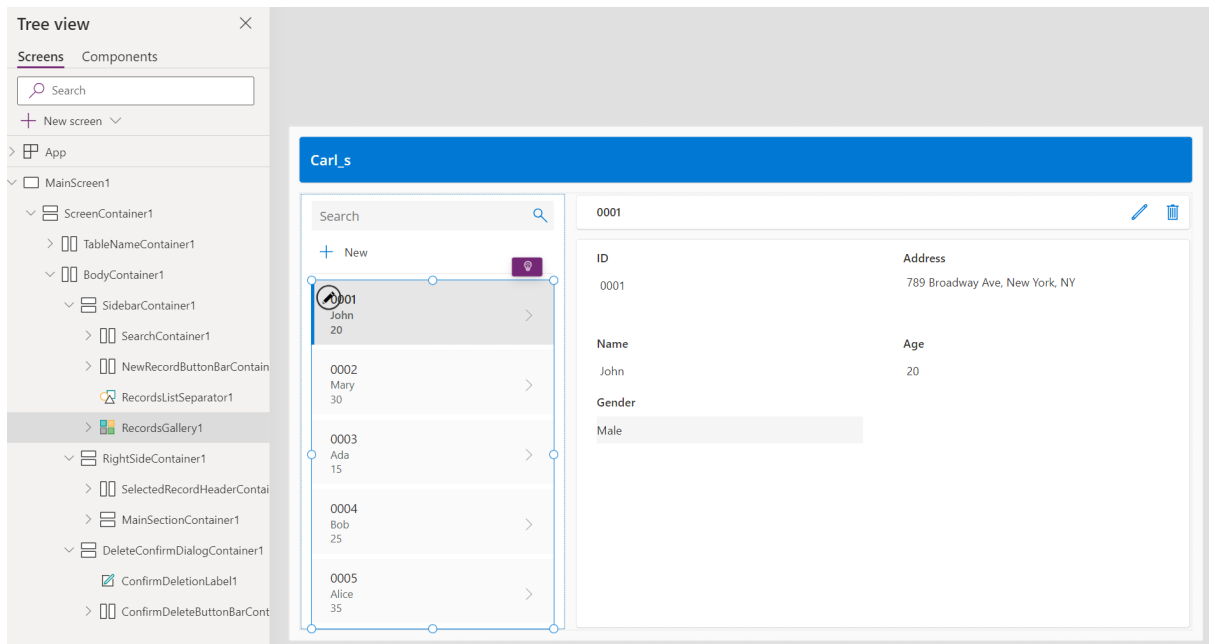


We're now taken to our canvas, and we can see the app created:

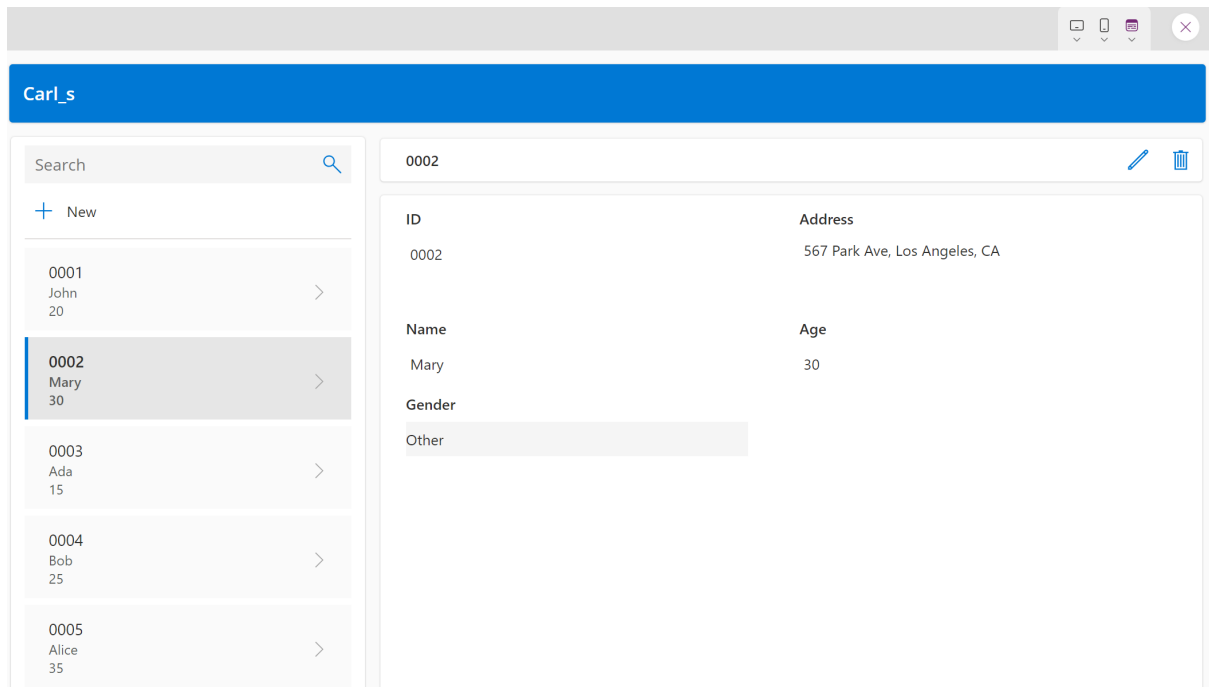


These apps are a nice way to learn some of the fundamental features as well.

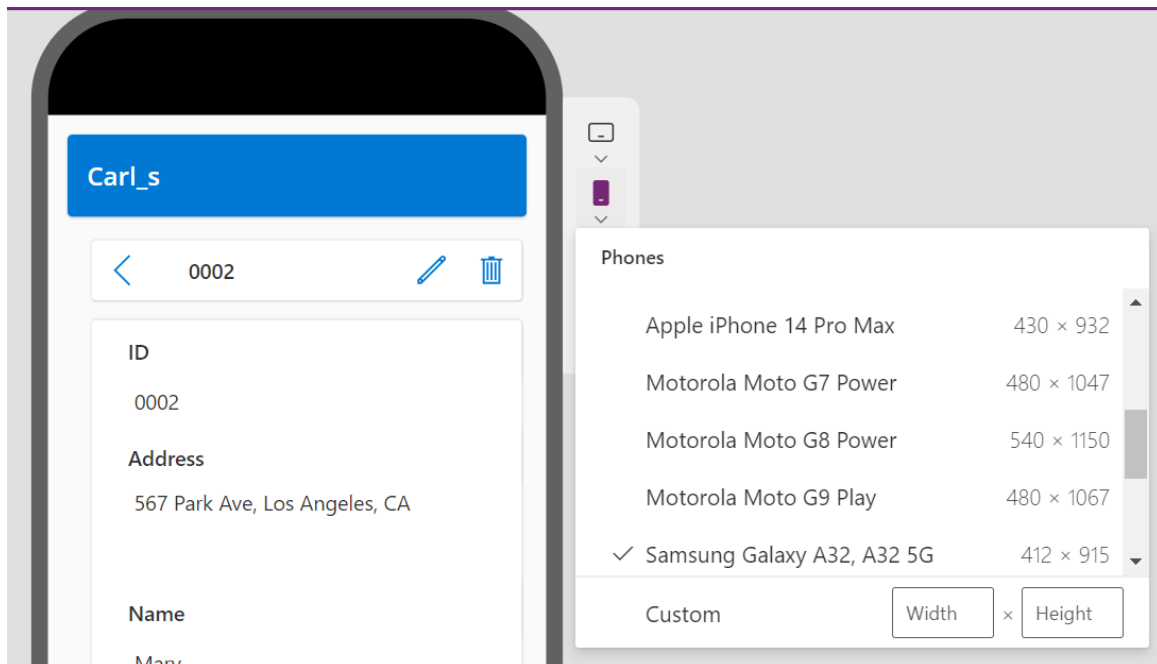
Step 9 - Click into the elements and see how it's wired together:



Clicking Play on the app, we can try it out. We can select, delete, create, and edit records, and it has a nice search feature built in too:



And you can see how the app looks on different hardware:



Let's close out of this app and take a look at some other ones. Let's try Track Sales Leads:

Let's build an app. What should it do?

Collect RSVPs

Track sales leads

List inventory





Manage inspections

Track sales leads




We get a similar looking table:

Sales Lead

 ID ▾	 Name ▾	 Company ▾	
0001	John Smith	ABC Corp	123
0002	Mary Jones	XYZ Inc	123
0003	Ada Lovelace	QRS Ltd	123
0004	Bob Smith	ABC Corp	123
0005	Jane Doe	XYZ Inc	123

And you can see the app created also basically the same design:

Sales Leads

Search 

+ New



John Smith
0001
ABC Corp

Mary Jones
0002
XYZ Inc

Ada Lovelace
0003
QRS Ltd

Bob Smith
0004
ABC Corp

Jane Doe
0005
XYZ Inc

John Smith  

Name

John Smith

Type

Type 1, Type 2

ID

0001

Company

ABC Corp

Phone

123-555-0100

Email

john@abc.com

Status

Open

Step 10 - Now “List Inventory”:

Let's build an app. What should it do?

Collect RSVPs

Track sales leads





List inventory

Manage inspections

List inventory

This produces something a little different, instead of being customer centric it is inventory centric:

Inventory

 ID ▾	 Name ▾	 Quantity ▾	 Price ▾
0001	Apple	10	1.00
0002	Banana	20	2.00
0003	Orange	30	3.00
0004	Grapes	40	4.00
0005	Mango	50	5.00

The resulting app is the same design as above:

Inventories

Search

+ New

0001
Apple

0002
Banana

0003
Orange

0004
Grapes

0005
Mango

0001

ID

0001

Quantity

10

Price (Base)

1

Name

Apple

Price

1

Type

Type 1

Step 11 - Try “Manage Inspections” now.

Let's build an app. What should it do?

Collect RSVPs

Track sales leads

List inventory

Manage inspections

Manage inspections

Here we see an inspection centric app created:

Inspection			
Inspection Type	Inspection Date	Inspection Time	Inspection Result
Regular	5/20/2020	5/20/2020 12:00 PM	Passed
Emergency	4/18/2010	4/18/2010 2:00 PM	Failed
Regular	9/12/2015	9/12/2015 4:00 PM	Passed
Emergency	5/20/2020	5/20/2020 6:00 PM	Failed
Regular	4/18/2010	4/18/2010 8:00 PM	Passed

Inspections

Search

+ New

John
0001
5/19/2020 8:00 PM

Mary
0002
4/17/2010 8:00 PM

Ada
0003
9/11/2015 8:00 PM

Bob
0004
5/19/2020 8:00 PM

Alice
0005
4/17/2010 8:00 PM

John

Name

John

Inspection Result

Passed

Inspection Status

Passed

Inspection Type

Regular

Inspection Time

5/20/2020 08 :00

Inspection Notes

No notes

ID

0001





Inspection Date

5/19/2020 20 :00

Step 12 - Let's try some not on the suggested list.

First, "Library":

 Library 

 Name ▾	 Author ▾	 Year ▾	 Type ▾
The Catcher in the Rye	J.D. Salinger	1,951	Novel
The Great Gatsby	F. Scott Fitzgerald	1,925	Novel
The Grapes of Wrath	John Steinbeck	1,939	Novel
The Lord of the Rings	J.R.R. Tolkien	1,954	Fantasy
The Hobbit	J.R.R. Tolkien	1,937	Fantasy

Libraries

Search

+ New

0001

The Catcher in the Rye

J.D. Salinger

>

0002

The Great Gatsby

F. Scott Fitzgerald

>

0003

The Grapes of Wrath

John Steinbeck

>

0004

The Lord of the Rings

J.R.R. Tolkien

>

0005

The Hobbit

J.R.R. Tolkien

>

0001

ID

0001

Author

J.D. Salinger

Type

Novel

Name

The Catcher in the Rye

Year

1951

Next, “Blockbuster” which refers to the movie rental company, I simply typed that name in and it has the intelligence to create a movie rental app:

Blockbuster

<div>Abc</div> <div>ID</div> <div>▼</div>	<div>Abc</div> <div>Name</div> <div>▼</div>	<div>Abc</div> <div>Genre</div> <div>▼</div>	<div>21</div>
0001	The Godfather	Crime	3/2
0002	The Shawshank Redemption	Drama	9/2
0003	The Dark Knight	Action	7/1
0004	The Godfather: Part II	Crime	12/
0005	The Lord of the Rings: The Return ...	Adventure	12/

Blockbusters

Search

+ New

0001

The Godfather

Crime

>

0002

The Shawshank Redemption

Drama

>

0003

The Dark Knight

Action

>

0004

The Godfather: Part II

Crime

>

0005

The Lord of the Rings: The Return of Adventure

>

0001

ID

0001

Rating

9

Name

The Godfather

Genre

Crime

Release Date

3/23/1972

19

:00





It also seems key words are necessary to help the AI determine what to create. For example, “airport” creates a list of airports:

Airport

<div>Abc</div> Name ▾	<div>Abc</div> Location ▾	<div>Abc</div> Country ▾	<div>Abc</div>
John F. Kennedy International Air...	New York, NY	USA	JFK
Los Angeles International Airport	Los Angeles, CA	USA	LAX
Heathrow Airport	London, UK	UK	LHR
Charles de Gaulle Airport	Paris, France	France	CDG
Haneda Airport	Tokyo, Japan	Japan	HND

Whereas “airport flight schedule” creates a flight system:

Airport Flight Schedule

 Flight Number ▾	 Departure Airport ▾	 Arrival Airport ▾	 Date
AA123	JFK	LAX	5/20,
AA456	LAX	JFK	5/20,
AA789	JFK	SFO	5/20,
AA101	SFO	JFK	5/20,
AA202	LAX	SFO	5/20,

Step 13 - Exit the app to return to the Power Apps home page.