# Create a Todo App in SAP Build Apps Community Edition Part 2 – List Todos

Navigate to appgyver.com.

Graphical user interface, text, application

Description automatically generated

Click Learn more in the Looking for the Community Edition tile. Click Login/Sign up

Table

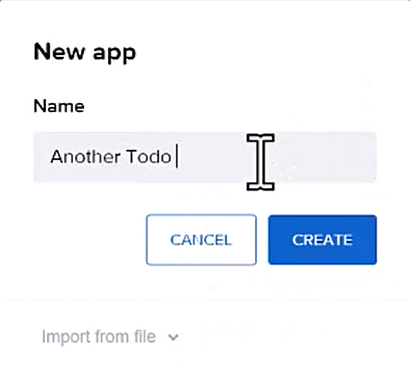
Description automatically generated with low confidence

Complete the sign up process then log in. The tiles in the image below are apps. You shouldn’t have any at this point. To create one, click CREATE NEW.

Graphical user interface, application

Description automatically generated

Enter a name and click CREATE.



The app is created and the UI CANVAS is opened to the main page.

Graphical user interface, application, Word

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On the left is the toolbox which contains controls you can drag onto the canvas to create the interface. In addition to the CORE controls, you can use the Marketplace to install more controls.

On the bottom right is the TREE, which shows the interface in outline form. It’s often easier to arrange controls using the TREE.

The center of the screen is the canvas that shows what the interface will look like. On the top right is the properties pane which you use to configure controls.

Change the Page name to something like My Todos. If you selected a control and the Page properties aren’t visible, click on the whitespace on the canvas.

Graphical user interface, application, Word

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Select the Title control and change the Content to something like My Todos.

Graphical user interface, application, Word

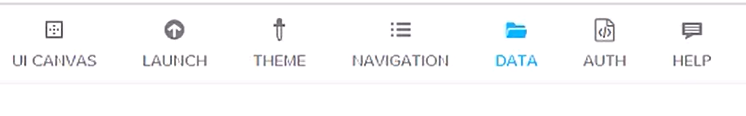
Description automatically generated

Delete the Text control. Save the app.

Graphical user interface, text, application

Description automatically generated

To enable our app to access the Todo backend app, we have to create a Data resource. Click Data in the top menu.



Click ADD DATA RESOURCE on the top right and select REST API direction integration.

Graphical user interface, application

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Graphical user interface, application

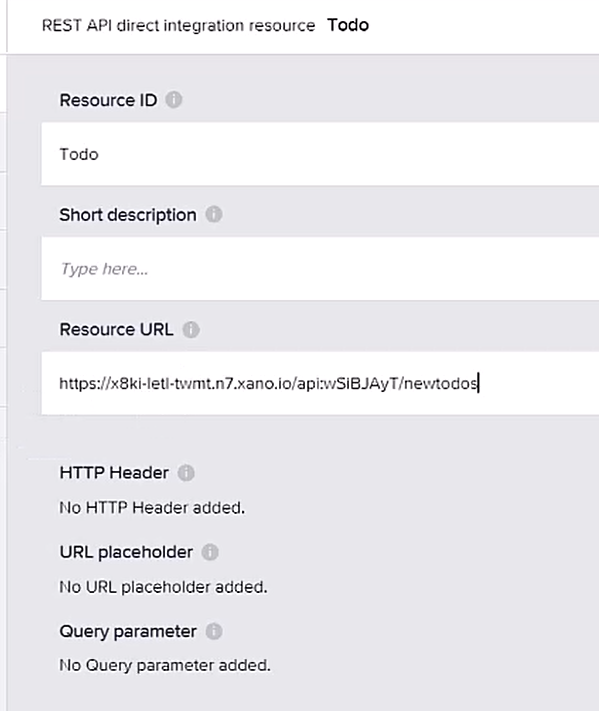
Description automatically generated

To get the Resource URL, go back to Xano and use the Copy Endpoint icon to copy the URL.

Rectangle

Description automatically generated

In SAP Build Apps configure the Data resource like this (notice the Resource URL in the image won’t match yours):



The CRUD services are listed on the left side of the screen. Click GET COLLECTION (GET).

Graphical user interface, application

Description automatically generated

Select the TEST tab.

Graphical user interface, application, Teams

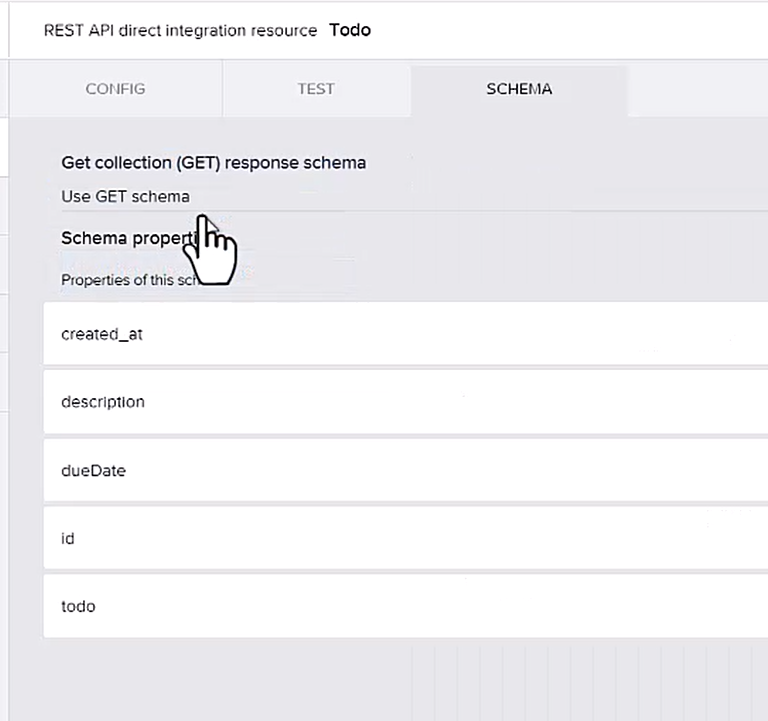
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Click RUN TEST.

Graphical user interface, text, application

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To set the Schema for the Data resource, click SET SCHEMA FROM RESPONSE. The schema is set.



Return to the UI CANVAS.

Graphical user interface, application, Teams

Description automatically generated

When the service returns data, we need to have a variable where we can store the data and bind it to the interface. Click VARIABLES on the top right of the screen.

A picture containing chart

Description automatically generated

Variables that connect to a Data resource are called Data Variables. Click DATA VARIABLES in the list on the left side of the screen.

Graphical user interface, application

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Click ADD DATA VARIABLE on the right side of the screen and select the Todo data resource.

Graphical user interface, text, application

Description automatically generated

Select the new data variable and change the Data variable name in the properties.

Graphical user interface, text, application

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Note that the Data variable type is set to Collection of data records. This tells SAP Build Apps to use the get all todos service.

Click the black bar along the bottom of the screen to open the logic pane.

Diagram

Description automatically generated

This shows the logic used to retrieve the data and set it into our Todos data variable. When the page is mounted (opened), the Get record collection is called to load the data. The data is then loaded into the data variable. Notice that the service is called every 5 second by default because of the Delay component.

Next, we’ll add a list to the interface that we can bind to the data variable. Click VIEW on the top right to return to the canvas.

Although we can construct a list using the CORE controls, we can install a preconstructed list from the MARKETPLACE. Click MARKETPLACE.

Graphical user interface, application

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If you don’t see the Basic list, you can use the search field at the top of the screen to find it.

Graphical user interface, application

Description automatically generated

Click the Basic List, then click INSTALL.

Text

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You’ll find the Basic list control at the top of the list of controls on INSTALLED tab.

Graphical user interface

Description automatically generated

Drag onto the canvas below the Title control.

Graphical user interface

Description automatically generated

With the list selected, click Configure in the PROPERTIES.

Graphical user interface, application

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Click on the Todo data integration tile.

Graphical user interface, application

Description automatically generated

Drag the todo, description and dueDate from Available fields onto the controls as shown:

Graphical user interface, application

Description automatically generated

The id is a bit trickier because it’s a number and the field is a text control. We have to create a formula to convert id to text. Click the lightning bolt icon at the end of the id control.

Graphical user interface, text, application

Description automatically generated

Select Utility in the list on the left.

A picture containing table

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Scroll down, select the STRING function then click Enter.

A picture containing diagram

Description automatically generated

This adds the function to the formula:

Graphical user interface, text, application, chat or text message

Description automatically generated

Now, to replace value with the id, click Source object in the list on the left, then click source.record.id. If it doesn’t substitute the value, click Enter.

Graphical user interface, text, application

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Graphical user interface, application

Description automatically generated

Click SAVE AND EXIT.

Diagram

Description automatically generated with low confidence

Save the app then lick LAUNCH TO run it.

Graphical user interface, application

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Click OPEN APP PREVIEW PORTAL.

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Then click OPEN on the app’s tile.

Graphical user interface, text, application, chat or text message

Description automatically generated

Graphical user interface, application, Teams

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