# Create a Todo App in SAP Build Part 1 – Create a Backend App

In this case, you will create a backend app for our Todo application that includes the database and services that will be consumed by the front-end Todo app.

Open the subaccount in which you installed SAP Build Apps.

Graphical user interface, application

Description automatically generated

Select Instances and Subscriptions. To open SAP Build Apps, click the icon to the right of the application.

Graphical user interface, application

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If you are asked to authenticate, use the same account you used to log into SAP BTP. Click CREATE.

Graphical user interface, text, application

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Click Build an Application.

Graphical user interface, diagram

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Click Application Backend.

Graphical user interface, text, application

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Enter a name for the app and click CREATE.

Graphical user interface, application, Teams

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The backend app is a database with functions (services) that allow you to access the database remotely. Click CREATE NEW on the Entities tab.

Graphical user interface, text, application

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Name the entity Todo and click ADD. The entity is created with a field called id which services as the primary key. Click ADD NEW to create a new field.

Graphical user interface, application

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Name the field todo of type Text.

Graphical user interface, application

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Create two more fields called description (Text) and dueDate (Date).

Graphical user interface, text, application, email

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Select the Functions tab and click CREATE NEW.

Graphical user interface, text, application

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Name the function GetTodos.

Graphical user interface, application, chat or text message

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To configure the function, click the plus sign in the middle of the screen.

A picture containing table

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Select List records from the list.

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

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Click Entity and select the Todo entity then click SAVE APP in the top right corner of the screen.

Graphical user interface, application

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Use the breadcrumbs to navigate back to the Functions screen.

Graphical user interface, text, application, Teams

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Then create the CreateTodo function.

Graphical user interface, application

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Repeat the process to create the UpdateTodo function.

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You need to specify how the backend app should identify the record to update. To do this, click Record identifier. SAP Build Apps creates a formula and is smart enough to use the id field which is the primary key. We don’t need to change anything, so click SAVE.

Graphical user interface, application, email

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Click Fields to update.

Graphical user interface, text, application

Description automatically generated

By default, SAP Build Apps assumes you want to update all the fields so just click SAVE.

Graphical user interface, application

Description automatically generated

Create the GetTodo function which is similar to UpdateTodo except there are no fields to update.

Graphical user interface, application

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Finally, create the DeleteTodo function.

Graphical user interface, application

Description automatically generated

To make the app accessible, you must deploy it. Click the Deployments tab, then click REVIEW AND DEPLOY.

Graphical user interface

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Once the app is deployed, you’ll see something like this.

Graphical user interface, text, application

Description automatically generated

Anytime you make changes to the app, you must deploy it again.

Now you can add some data to your table. Return to the Entities tab and click the three dots on the top right of the Todo entity tile and select Browse data.

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To add a record, click NEW RECORD.

Graphical user interface, text, application, Teams

Description automatically generated

Add some records so you have todos to work with when you create the front-end app.

Graphical user interface, application

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