

Unit 5 – Build SAP Extension with SAP AppGyver

Certification: [C_LCNC_01](#)

Low-Code / No-Code Applications

Appointments Application with SAP AppGyver

Demo: Appointments application



Features

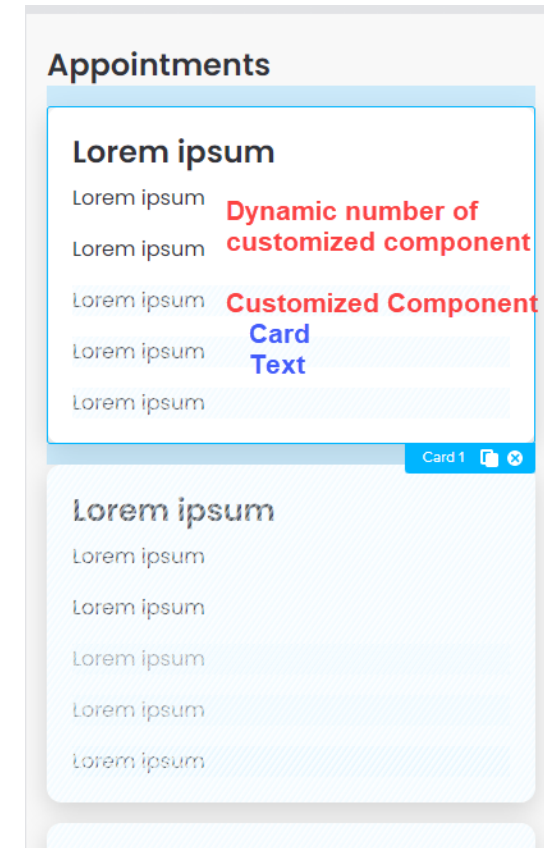
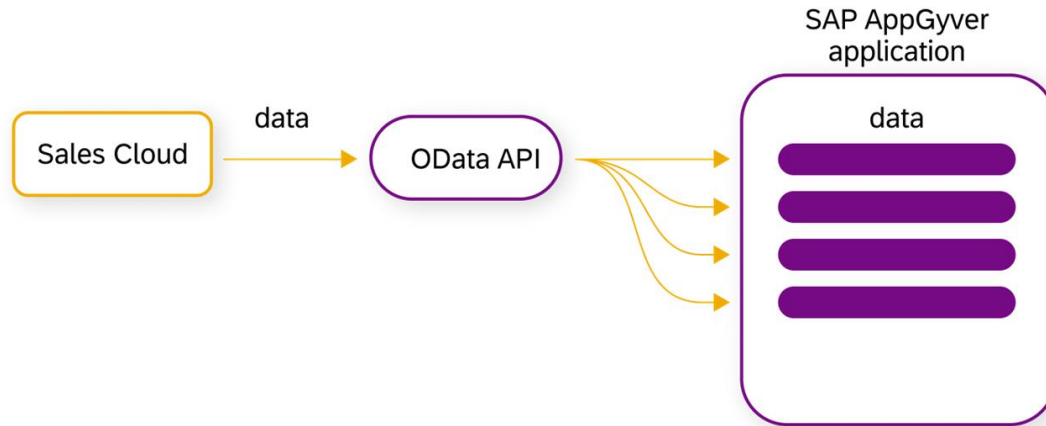
- Cross platform – Mobile (iOS, Android)
- OData API Integration – SAP Sales Cloud
- Composite Component
- More complex binding

Why SAP Extensions with SAP AppGyver ?

- SaaS solutions from SAP cover a majority of customer use cases
- However, every customer has unique needs that cannot be covered out-of-the-box
- Various options to extend SAP solutions (In-App, Side-by-Side)

High level plan for UI, Logic and Data

- Build application to display appointments
- Make connection to SAP Sales Cloud OData API
- Display appointments data



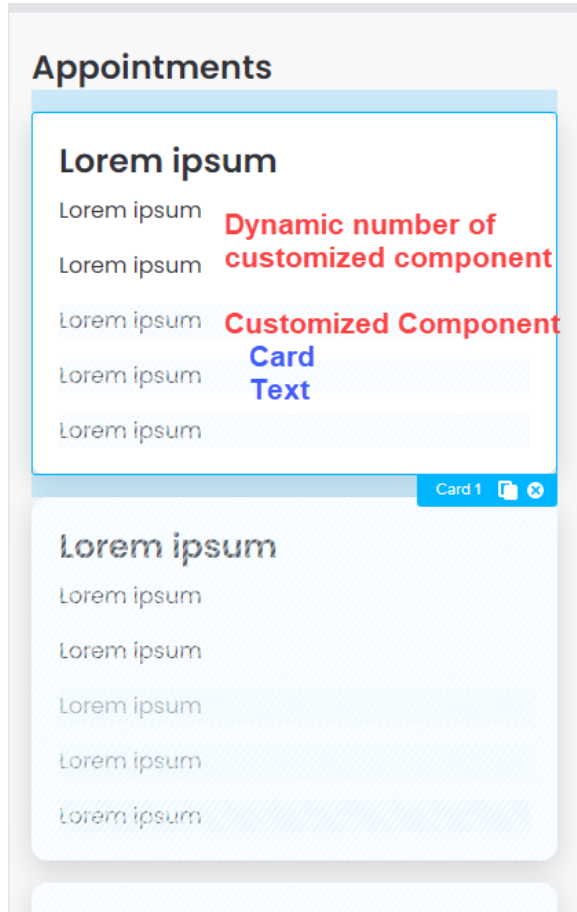
Steps involved

1. Setting up the pre-requisites
2. Setting up the UI – Single View and Components
3. Connections to OData API
4. Binding, displaying data in UI

Step 1 – Pre-Requisites

1. Subscribe to [SAP AppGyver](#) via a booster from SAP Business Technology Platform
2. Get the [SAP AppGyver Preview](#) app on your mobile phone

Step 2 – View and its components



Step 3 – Connections to OData API

The image consists of three screenshots from a mobile application configuration interface, illustrating the steps to connect to an OData API.

Left Screenshot: The 'DATA' tab is selected in the top navigation bar. A dropdown menu is open, showing options for adding a data resource: 'On-device storage', 'REST API direct integration', 'OData integration', 'Google Firebase / Cloud Firestore', and 'Marketplace search'. The 'OData integration' option is highlighted.

Middle Screenshot: The 'AppointmentCollection' resource is selected. A toggle switch is visible in the top right corner, indicating the resource is active.

Right Screenshot: The 'Expand' section shows a list of resources: 'AppointmentAttachmentFolder', 'AppointmentBTDRreference', 'AppointmentInvolvedParties', 'AppointmentOtherParties', and 'AppointmentTextCollection'. Each resource has a corresponding toggle switch. The 'SAVE DATA RESOURCE' button is located at the bottom right.

Step 3 – Connections to OData API

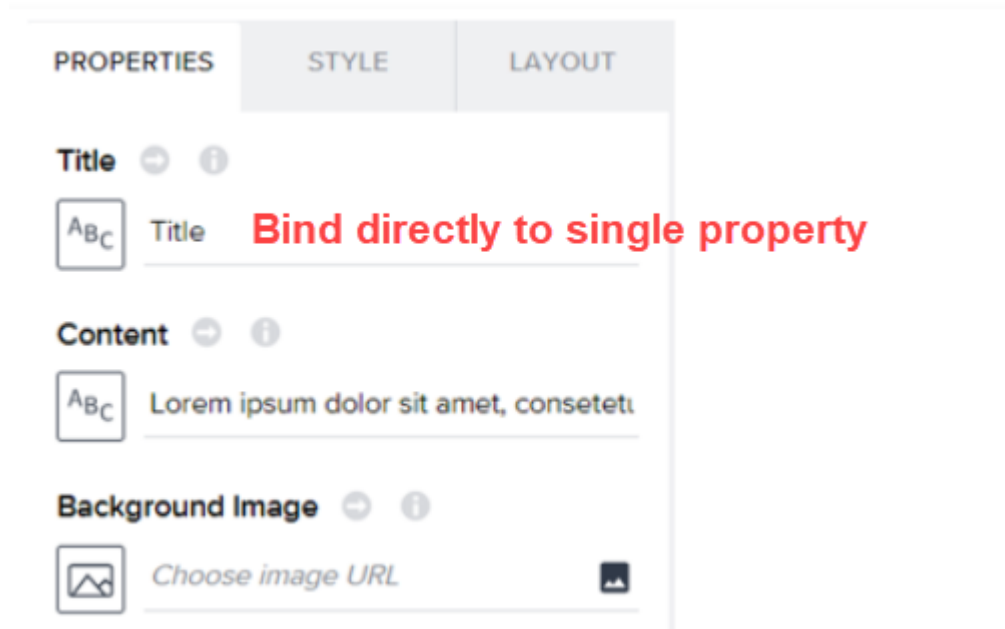
[https://my346234.crm.ondemand.com/sap/c4c/odata/v1/c4codataapi/\\$metadata](https://my346234.crm.ondemand.com/sap/c4c/odata/v1/c4codataapi/$metadata)

Credentials

Demouser / Welcome1

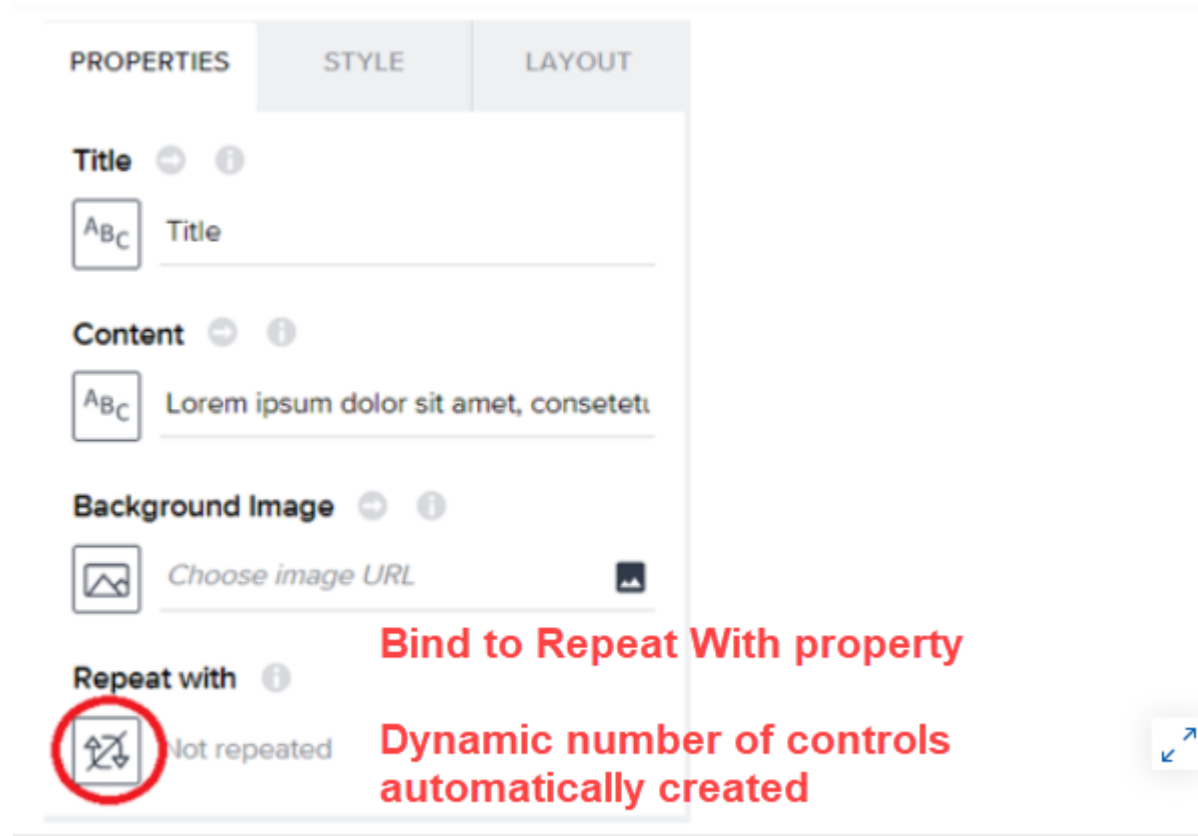
Step 4 – Binding, displaying data in UI

```
{  
  "name": "Milton"  
}
```



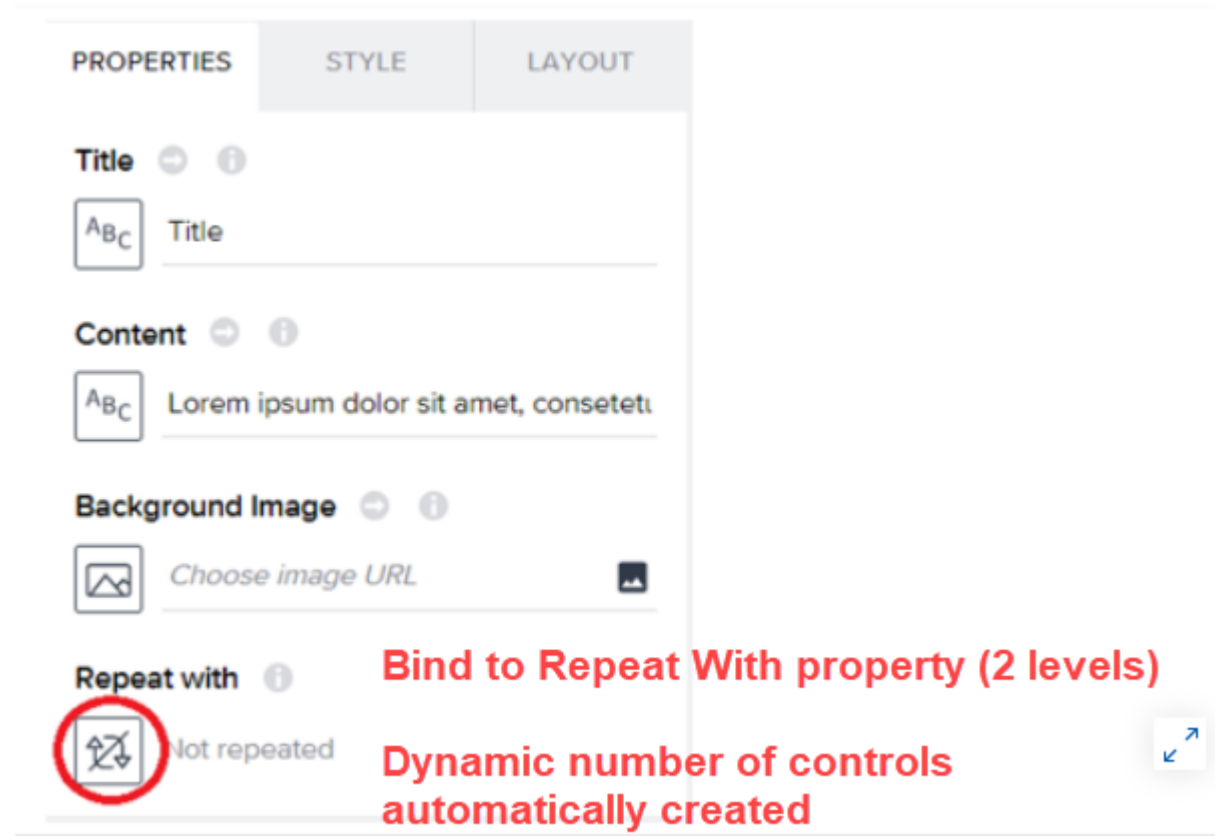
Step 4 – Binding, displaying data in UI

```
[  
  {  
    "name": "Milton"  
  },  
  {  
    "name": "Peter"  
  },  
  {  
    "name": "Pavel"  
  },  
  {  
    "name": "Jose"  
  }  
]
```



Step 4 – Binding, displaying data in UI

```
[  
  {  
    "name": "Milton",  
    "hobbies": ["tennis", "chess", "soccer"]  
  },  
  {  
    "name": "Peter",  
    "hobbies": ["hiking", "cooking"]  
  },  
  {  
    "name": "Pavel",  
    "hobbies": ["tennis", "rugby"]  
  },  
  {  
    "name": "Jose",  
    "hobbies": ["soccer", "athletics"]  
  }  
]
```



What we have learned so far

- SAP Sales Cloud
- OData API Integration
- Composite Components
- Multi-level binding

Key Summary Points – Unit 5

Q10. What can SAP Sales Cloud assist with?

- ☒ communicating and collaborating with customers
- ☒ supporting in the lead-to-cash process
- ☐ C creating applications
- ☒ giving complete transparency where you stand with current sales business
- ☐ E managing your employees

☒ Correct

Correct. SAP Cloud can assist you with giving complete transparency where you stand with current sales business, supporting in the lead-to-cash process and, communicating and collaborating with customers.

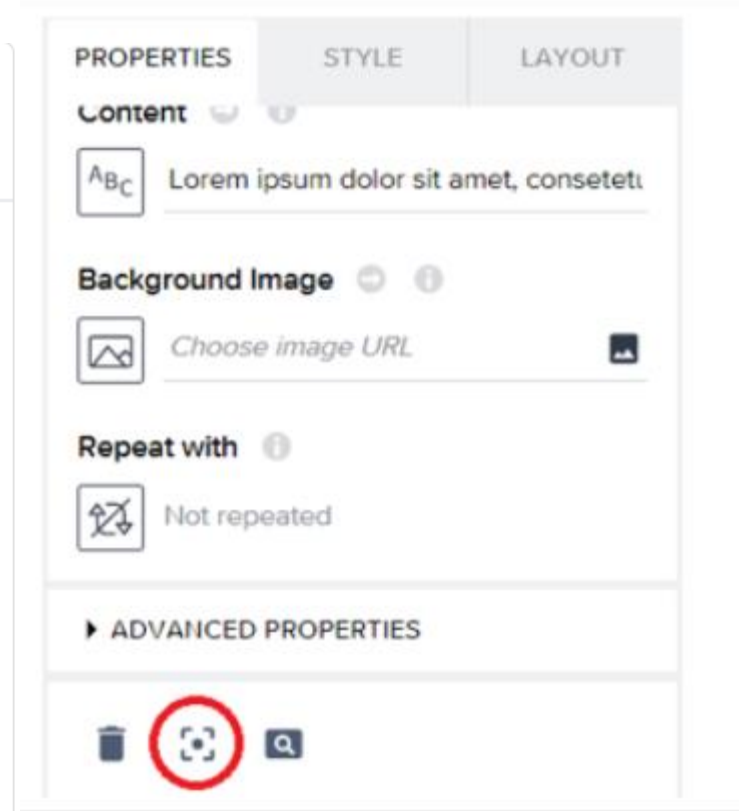
Key Summary Points – Unit 5

Q9. How did we open the Component Template Editor?

- ☐ A Dragging card components into the canvas
- ☒ B Clicking on the Component then Scrolling down and clicking on the square with the dot in the middle
- ☐ C Double clicking on the outside of the canvas

☒ Correct

Correct. We open the **Component Template Editor** by clicking on the Component then Scrolling down and clicking on the square with the dot in the middle.



Key Summary Points – Unit 5

Q7. What is the use for APIs?

- ☐ A connect with colleagues
- ☒ perform some action on the system
- ☐ C create applications
- ☒ get data from the system
- ☒ communicate with a system

☒ Correct

Correct. The use of APIs are to communicate with a system, get data from the system and perform some action on the system.

Key Summary Points – Unit 5

Q2. What do we see when we open the URL in the browser?

- ☐ A The data stored on your PC
- ☐ B The SAP AppGyver internal data
- ☒ C The XML metadata of the OData service

☒ Correct

Correct. When we open the URL in the browser, we can see the XML metadata of the OData service.

Key Summary Points – Unit 5

```
[  
  {  
    "name": "Milton"  
  },  
  {  
    "name": "Peter"  
  },  
  {  
    "name": "Pavel"  
  },  
  {  
    "name": "Jose"  
  }  
]
```

Q5. How can we know that the data is a list of objects?

A

We can open it in Google

✓

First wrapped in brackets [] and then in curly brackets {}

C

Since it's the XML metadata of the OData service

✓

Correct

Correct. We know that it is a list of objects, if the data is first wrapped in brackets [] and then in curly brackets {}.