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HOW TO CREATE TMG APPLICATION WITH IN 5 MIN IN RAP ?

CREATE

UPDATE

DELETE



DRAFT





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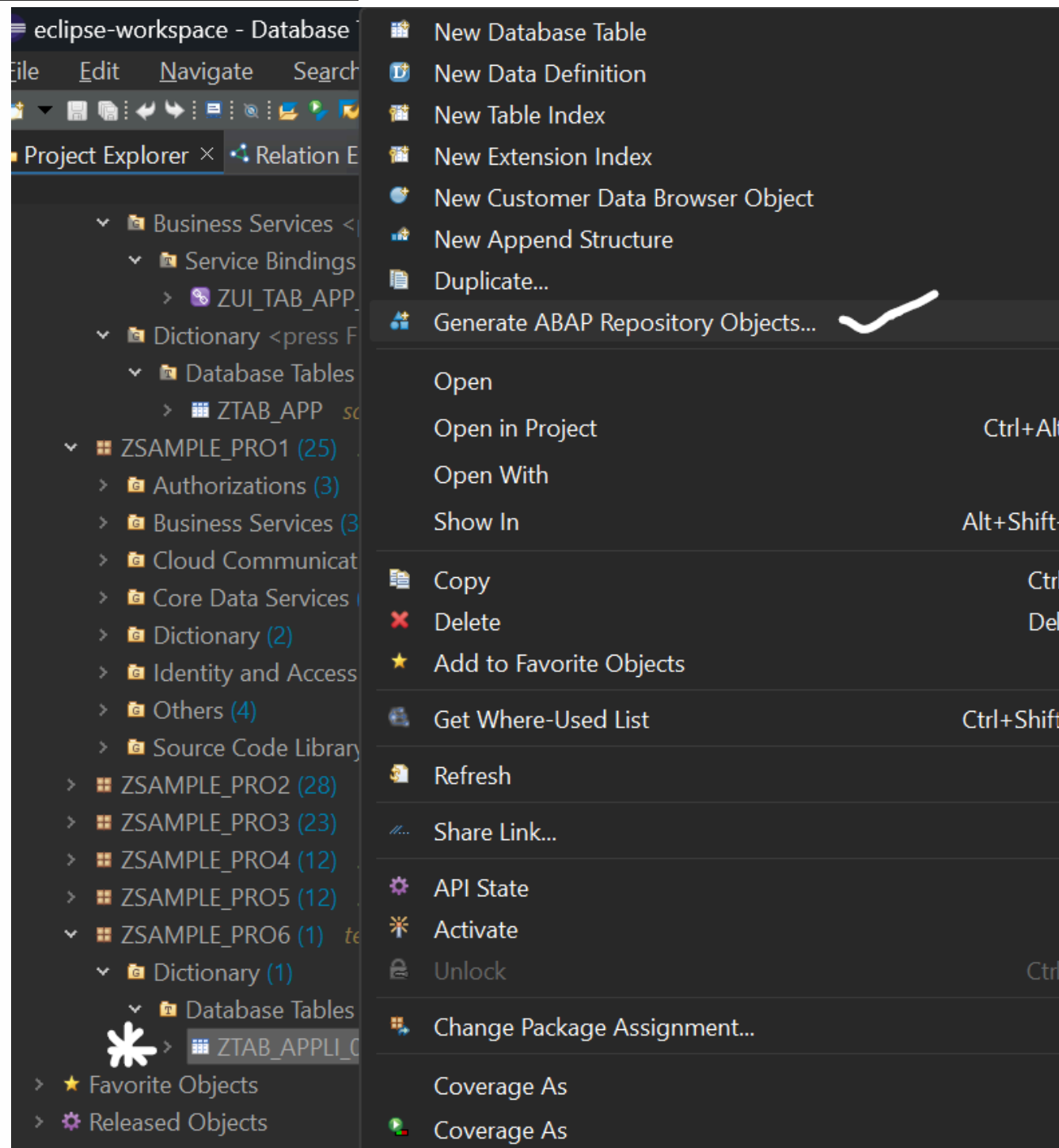
```
1 @EndUserText.label : 'application'
2 @AbapCatalog.enhancement.category : #NOT_EXTENSIBLE
3 @AbapCatalog.tableCategory : #TRANSPARENT
4 @AbapCatalog.deliveryClass : #A
5 @AbapCatalog.dataMaintenance : #RESTRICTED
6 define table ztab_appli_01 {
7
8   key client      : abap.clnt not null;
9   key id          : sysuid_x16 not null;
10  firstname       : abap.char(50);
11  lastname        : abap.char(50);
12  studentage      : abap.numc(5);
13  course          : abap.char(50);
14  studentstatus   : abap_boolean;
15  gender          : abap.char(1);
16  dob             : abap.dats;
17  local_created_by : abp_creation_user;
18  local_created_at : abp_creation_tstmpl;
19  local_last_changed_by : abp_locinst_lastchange_user;
20  local_last_changed_at : abp_locinst_lastchange_tstmpl;
21  last_changed_at  : abp_lastchange_tstmpl;
22
23 }
```

Step 1: Create a table with your required fields. But make sure to add administrative fields at the end

- Created_by
- Create_At
- Changed_By
- Change_At
- Last_changed_At

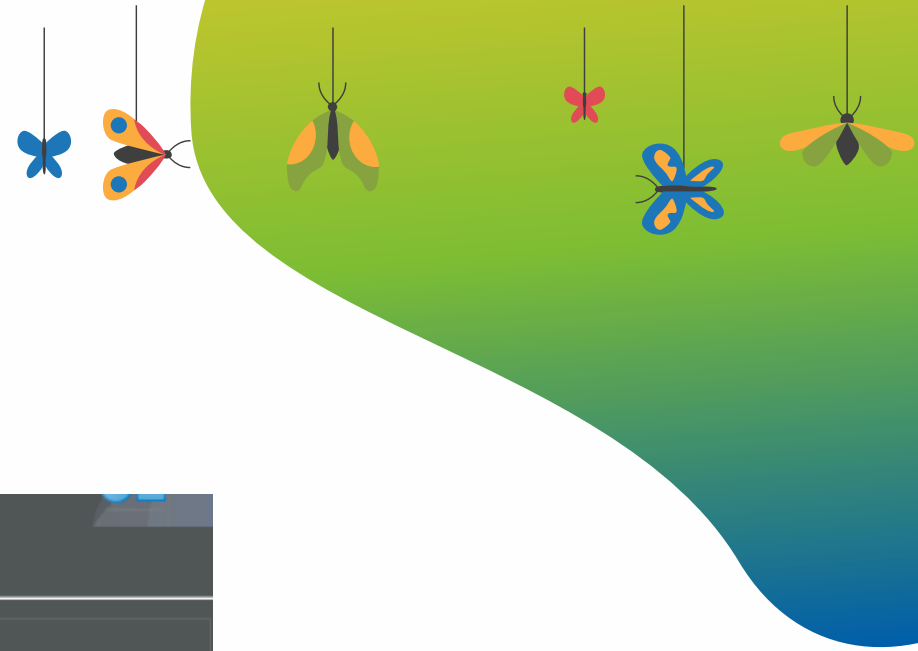
Step 2: Open option button by right clicking on custom created table for which TMG application need to created in this eg. the table is as above.

Select the marked option to proceed further.





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Generate multiple repository objects

Project: * TRL_EN_NOV_24

Filter by: TABL (Database Table)

type filter text

- ABAP RESTful Application Programming Model
 - OData UI Service ✓
 - OData Web API Service
- Business Configuration Management
 - Business Configuration Maintenance Object

objects that are relevant for a business object and for a RAP service on the basis of one database table. The end result is a full-blown RAP UI service.

Specifically, the following objects are created:

- CDS view entity
- CDS behavior definition
- ABAP implementation class
- CDS projection view entity
- CDS projection behavior definition
- Draft database table
- Metadata extension
- CDS service definition
- Service binding

OData UI Service

Referenced Object: ZTAB_APPLI_01 Browse...

Pr
ter

? < Back Next > Finish Cancel

Step 3: Select mode of Application creation

- UI application
- Web API

Select the package name where you wanted create TMG application.

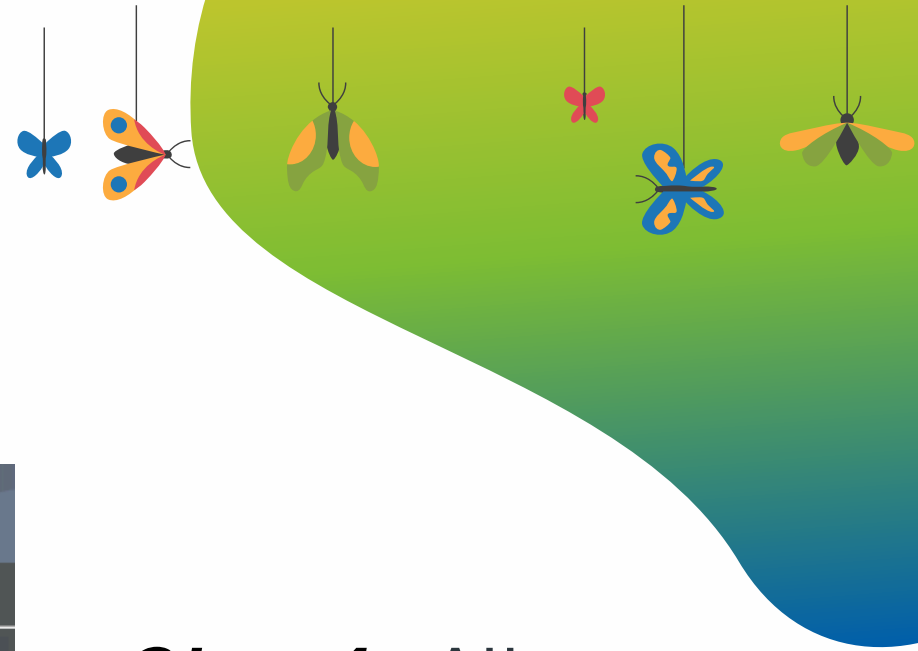
Project: * TRL_EN_NOV_24

Package: * ZSAMPLE_PRO6 ✓

Referenced Object: * ZTAB_APPLI_01



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Configure Generator
Specify values for the generator, 'OData UI Service'

Details for RAP artifacts generation

type filter text

General

Business Object

Data Model

Behavior

Service Projection

Service Projection Entity

Service Projection Behavior

Business Service

Service Definition

Service Binding

General

The object on which the root entity of the business object is based upon.

Referenced Object: ZTAB_APPLI_01

Project Name: TAB_APPLI_01

Artifacts Prefix:

Artifacts Suffix:

Step 4: All General artifacts can be named after your provided prefix and suffix.

- It's optional

Step 5: All general Artifacts will be created automatically without your intervention for your TMG CRUD application.

ABAP Artifacts Generation/Modification List
List of repository objects that are going to be generated

type filter text

Repository Object Name	ABAP Object Type	Operation	Notes
Service Artifacts			
Business Service L			
ZUI_TAB_APPLI Service Definition		CREATE	
ZUI_TAB_APPLI Service Binding		CREATE	Preview is not available,...
Business Object P			
ZC_TAB_APPLI Data Definition		CREATE	
ZC_TAB_APPLI Metadata Extension		CREATE	
ZC_TAB_APPLI Behavior Definition		CREATE	
ZBP_C_TAB_AP Class		CREATE	
Business Object L			
ZR_TAB_APPLI Data Definition		CREATE	
ZR_TAB_APPLI Behavior Definition		CREATE	
ZBP_R_TAB_AP Class		CREATE	
Data Base Model			
ZTAB_APPLI_0 Database Table		CREATE	

Preview:

```
@EndUserText.label : 'Service Definition for ZC_TAB_APPLI_01'
@ObjectModel.leadingEntity.name : 'ZC_TAB_APPLI_01'
define service ZUI_TAB_APPLI_01_04 provider contracts odata_v4_ui {
  expose ZC_TAB_APPLI_01 ;
}
```

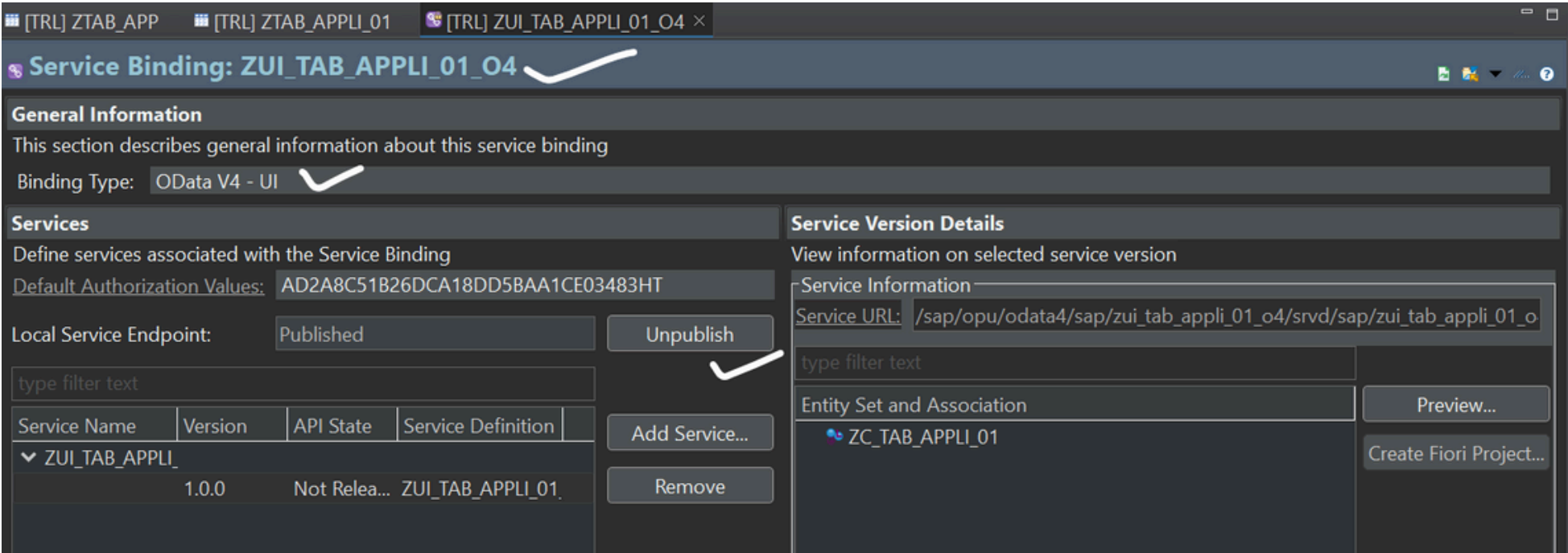
Buttons: ? < Back Next > Finish Cancel



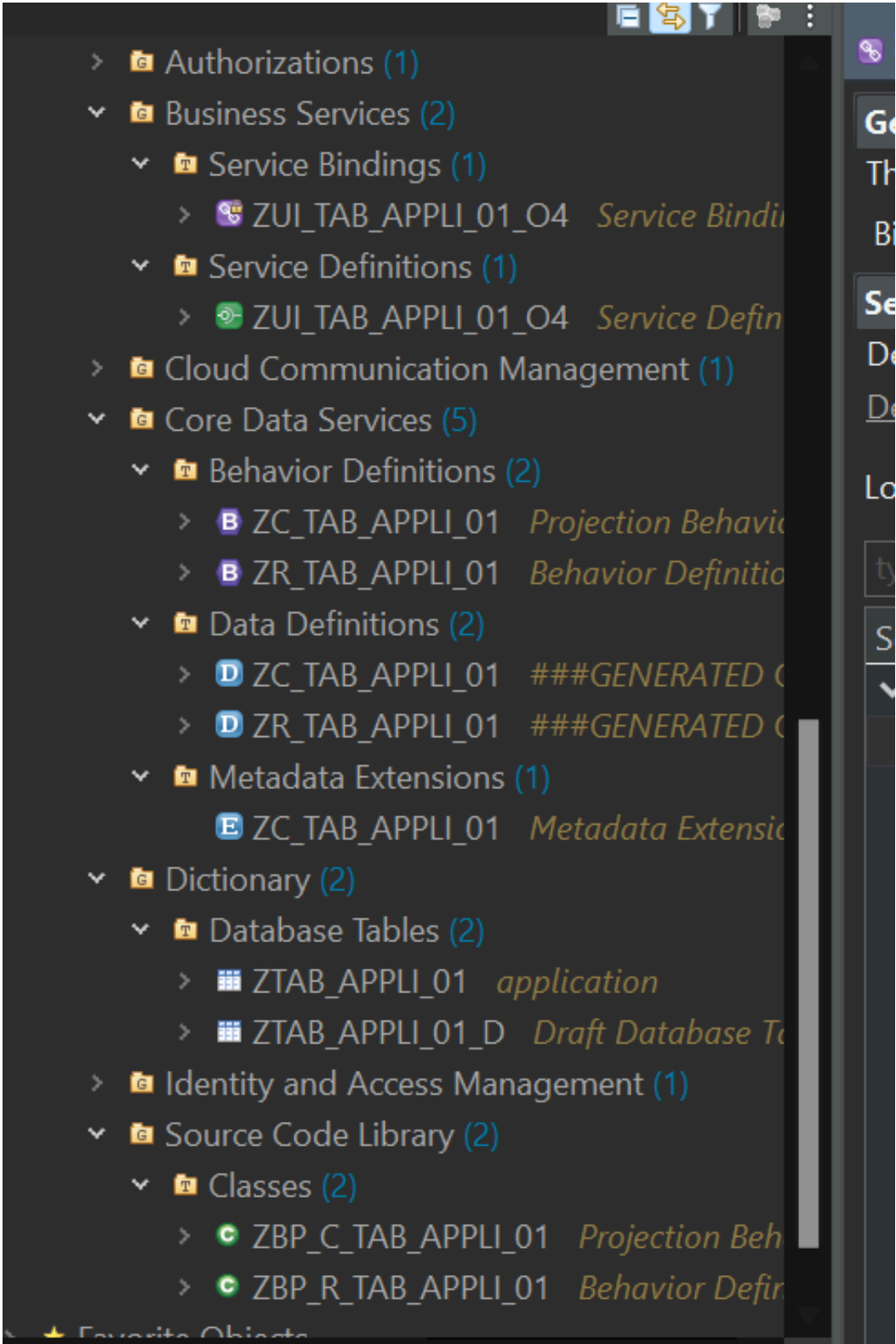
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Step 6: Finally make sure to activate your Service binding and make it publish.

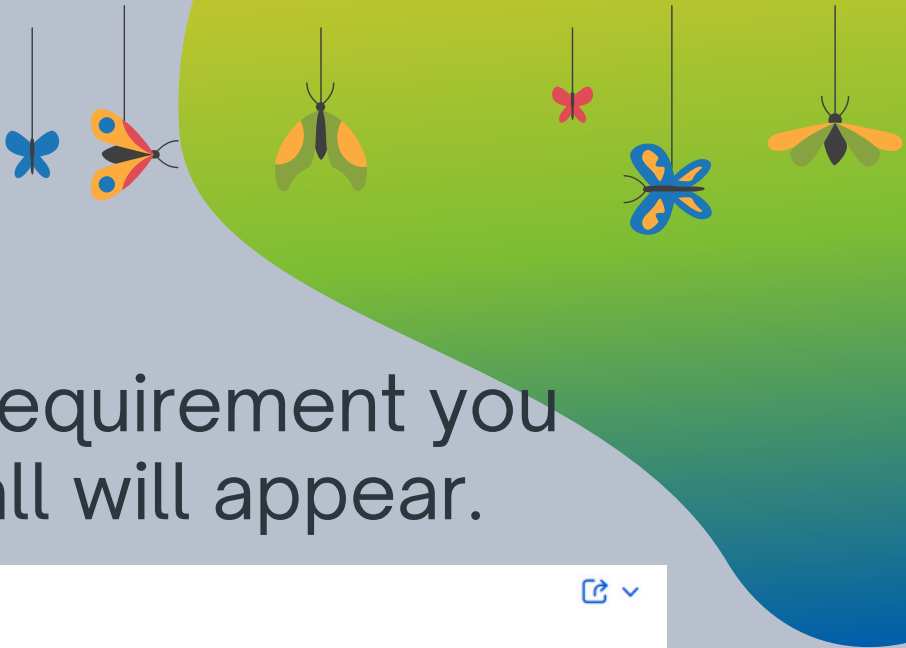


This is exactly how your application file structure will look like after your wizard application process to start with your newly created TMG application.





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Step 7: Based on your business requirement you can adjust selection. But default all will appear.

Standard

Editing Status:

All

Id:

Firstname:

Lastname:

Studentage:

Course:

Studentstatus:

Gender:

Dob:

Created By:

Created On:

Changed By:

Changed On:

Changed On:

Go

Adapt Filters (1)

^

*

Create

Delete

To start, set the relevant filters and choose "Go".

Automatically your Id generation and draft functionality will be handled by framework

General Information

Id:

6ab17378-47a8-1eef-af9c-a4838f9c186f

Firstname:

Rupesh

Lastname:

Kadge

Studentage:

28

Course:

CS

Studentstatus:

☐

Gender:

M

Dob:

Dec 14, 2020

Created By:

CB9980005704

Created On:

Dec 18, 2024, 7:39:41 AM

Changed By:

CB9980005704

Changed On:

Dec 18, 2024, 7:39:41 AM

Changed On:

-

Draft updated

Create

Discard Draft

Finally you have all functionality of CRUD for you TMG application with in 5 min

^

*

Create

Delete

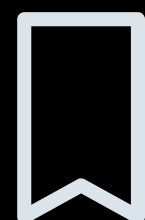
<input checked="" type="checkbox"/>	Id	Firstname	Lastname	Studentage	Course	
<input checked="" type="checkbox"/>	6ab17378-47a8-1eef-af9c-a4838f9c186f	Rupesh	Kadge	28	CS	>



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Thank You & Stay Tuned.



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