

Local Application

Transact Extensibility for Java (English) 2020 Q1



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Lesson Overview Create Generate Application on Local Application on Local Application Validation describe Application Application Validation

Local Application in Java Framework

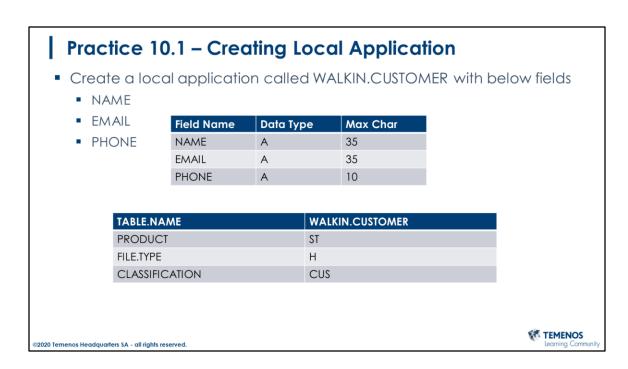
- Creating Local application is possible using two application
 - EB.TABLE.DEFINITION
 - EB.TABLE.PROCEDURES
- EB.TABLE.DEFINITION is responsible to create the field definitions
- EB.TABLE.PROCEDURES is responsible to attach the business logic created using java classes

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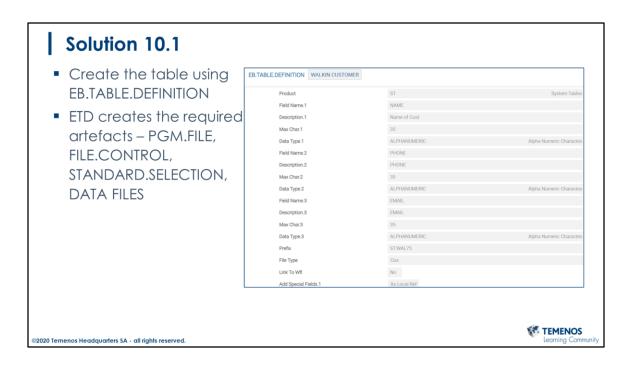


In Java L3 there is no Template concept. Developers are suppose to use the ET and ETD applications to create local application.

EB.TABLE.DEFINITION is responsible to create the field definitions
EB.TABLE.PROCEDURES is responsible to attach the business logic created using java classes



Create the application with the above mentioned properties



Create a local application WALKIN.CUSTOMER to store NAME, PHONE, EMAIL of a customer.

This can be done using making and entry in EB.TABLE.DEFINITION application. Fields should be defined with the appropriate data type. Field name should be defined in FIELD.NAME and DESCRIPTION fields.

Generate API for the Local Application

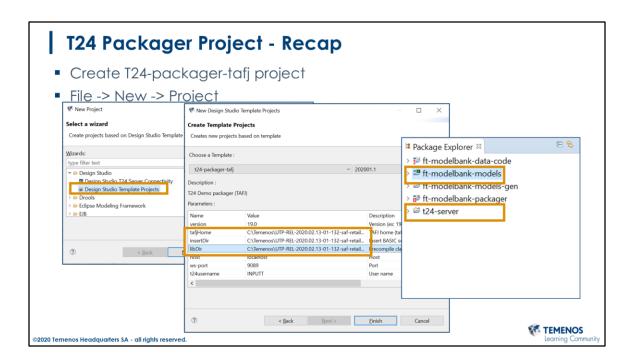
- Using Design Studio, we can generate the API for the APPLICATION created using EB.TABLE.DEFINITION
- we need a server project to establish connection with T24
- We need a models project to import the application from T24

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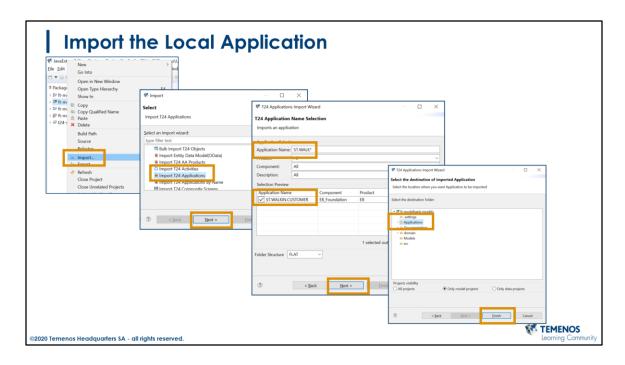
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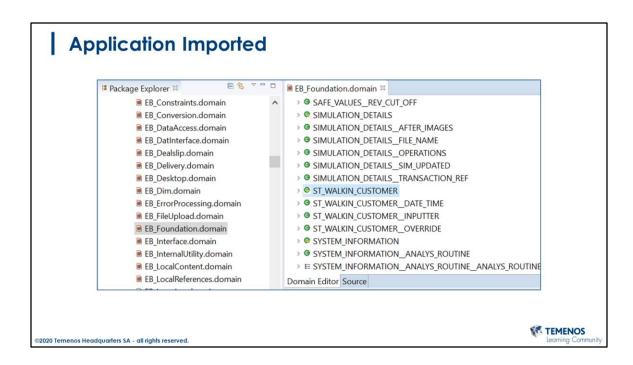


To generate the API for newly created local application we need a Design studio project. We can either take Datatool or packager project.

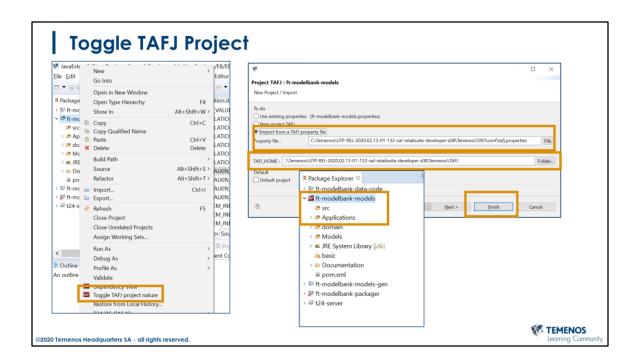
Launch Design Studio, specify a workspace. Workspace is any folder on the file system. Click on File \rightarrow New \rightarrow project. Type Design in the filter to bring up the Design Studio templates. DS-template project and choose data-tool project from the dropdown. Click on next click on Finish. We are choosing a data-tool project as the template creates a models as well as a server project.



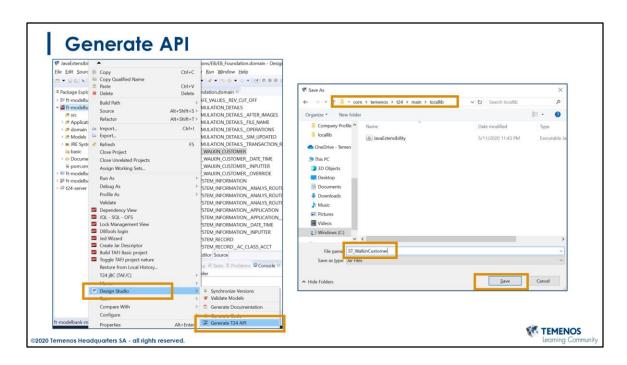
Right click on the BRP-models project → Import → T24 application By Name. after the application is imported successfully, we can see the class in EB_Foundation.domain



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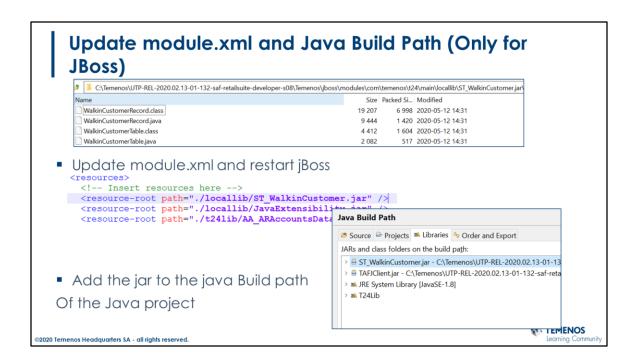


Generation of API is possible from the TAFJ Project. Hence change the model project as TAFJ Project



Right click on the models project and select -> Design Studio -> Generate API

This will generate a jar file. The JAR should be strored under the locallib



The generated jar contains the code that is needed to interact with the local application in T24.

Add the jar in module.xml and restart jBoss Restart the Jboss

Add the jar to the Java Build Path in the Java project

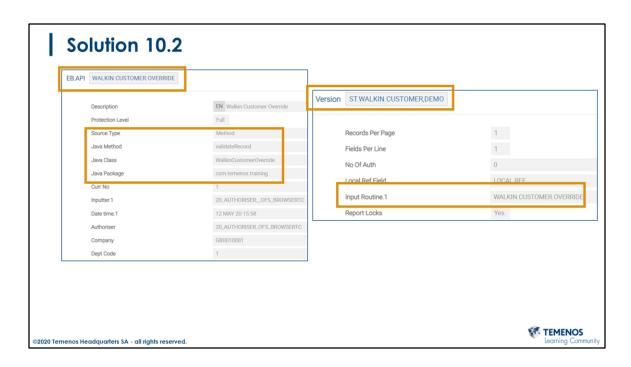
Practice 10.2

- Raise an Override Message if the Phone / Email is used by existing Customer (Check against CUSTOMER Application)
- Note: Create a new screen for the local application created and attach as INPUT.ROUTINE

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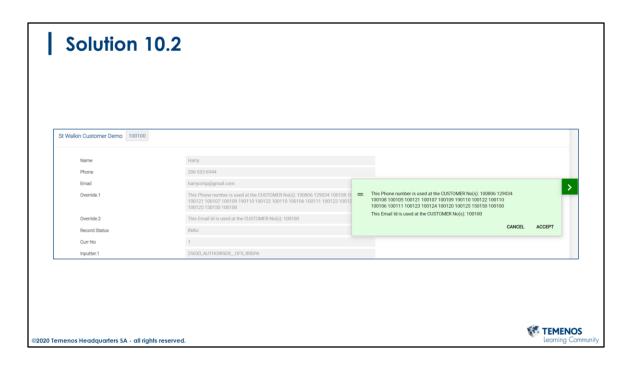


Raise an Override Message if the Phone / Email is used by existing Customer (Check against CUSTOMER Application)

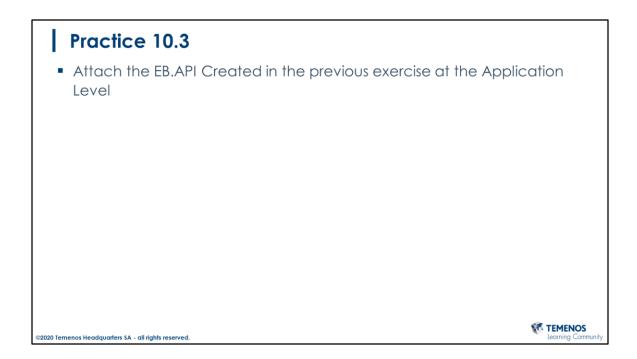


Create EB.API Record.

Create a Version Called ST.WALKIN.CUSTOMER, DEMO and attach the INPUTROUTINE field with the EB.API ID Created



Override thrown with the list of Customer Ids used with Phone Number

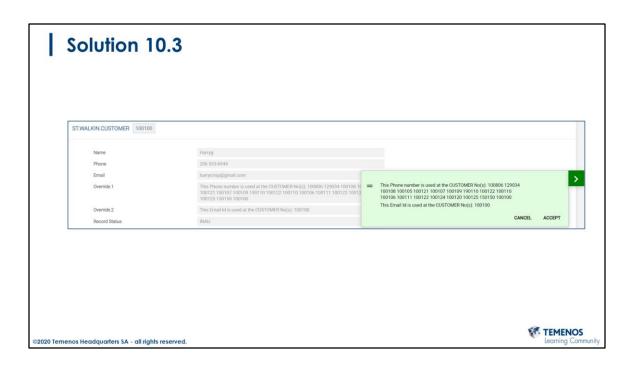


Attach the EB.API Created in the previous exercise at the Application Level

M.FILE WALKIN.CUS	TOMER.OVERRIDE			
Туре		S		
Product		EB		
Curr No		1		
Inputter.1		19_INPUTTEROFS_BRO	WSERTC	
Date time.1	EB.TABLE.PROCEDURES	ST.WALKIN.CUSTOMER		
	Description		EN Walkin Customer	
	Crossval Proc.1		WALKIN.CUSTOMER.OVERRIDE	Walkin Customer Override
	Curr No		1	
	Inputter.1		19_INPUTTEROFS_BROWSERTC	
	Date time.1		12 MAY 20 23:43	
	Authoriser		19_INPUTTER_OFS_BROWSERTC	
	Company		GB0010001	Model Bank
	Dept Code		1	Implementation

Create an PGM.FILE Entry with the TYPE =S and PRODUCT = EB Create an entry in EB.TABLE.PROCEDURES with the ID of LOCAL APPLICATION Entry created before.

Attach the PGM.FILE created before as CORSSVAL PROCEDURE



Create a record using the application ST.WALKIN.CUSTOMER and create a record with exising email id

Override thrown for the customers who is using the same email ids.

Practice 10.4

 Default the value of the Email field with <u>abc@gmail.com</u> for all the customers created in ST.WALKIN.CUSTOMER

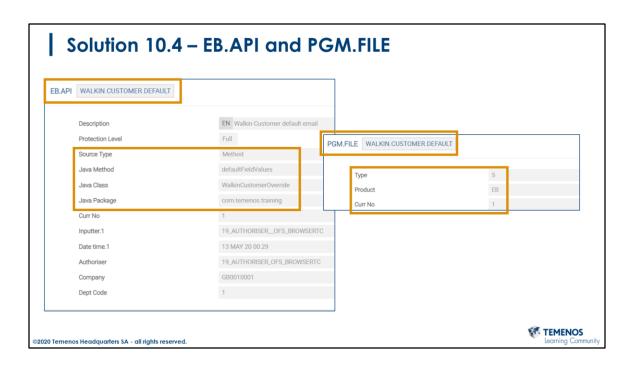
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Default the value of the Email field with abc@gmail.com for all the customers created in ST.WALKIN.CUSTOMER

Solution 10.4

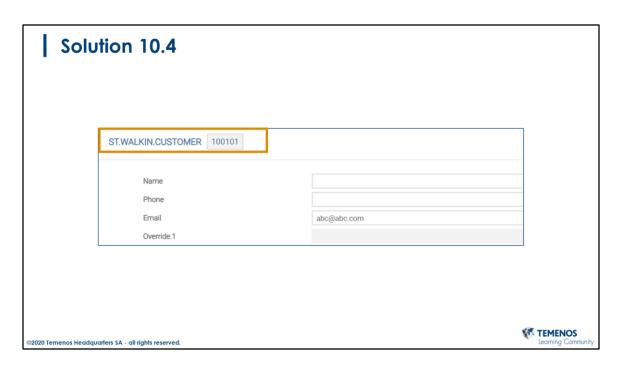
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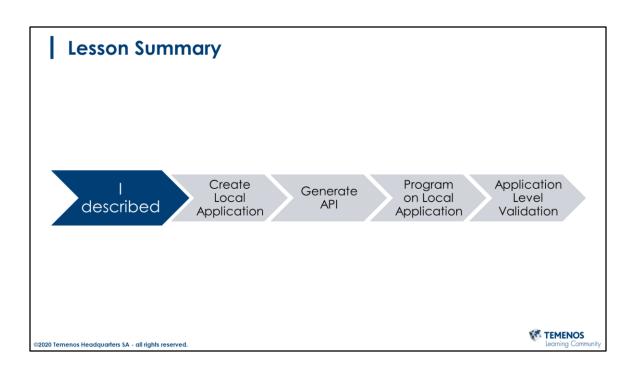
Creae EB.API with Class, Method and Package Information.
Create PGM.FILE entry with Type = SUBROUTINE and Product as EB

EB.TA	ABLE,PROCEDURES ST.WALKIN.CUSTOMER		
	Description	EN Walkin Customer	
	Check Rec Proc.1	WALKIN.CUSTOMER.DEFAULT	Walkin Customer default email
	Crossval Proc.1	WALKIN.CUSTOMER.OVERRIDE	Walkin Customer Override
	Curr No	2	

Attach the PGM.FILE id as the CHECK.REC.PROC in EB.TABLE.PROCEDURES



Try to create new record in ST.WALKIN.CUSTOMER application. The email should be defaulted with abc@gmail.com



I Described, Create Local Application Generate API Program on Local Application Application Level Validation



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