

| Setup Design Studio

Transact Extensibility for Java (English) 2020 Q1



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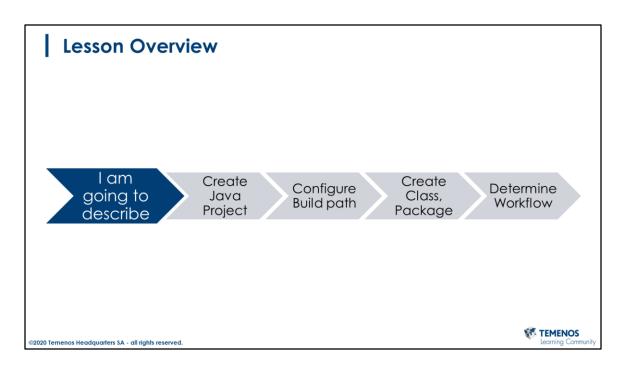
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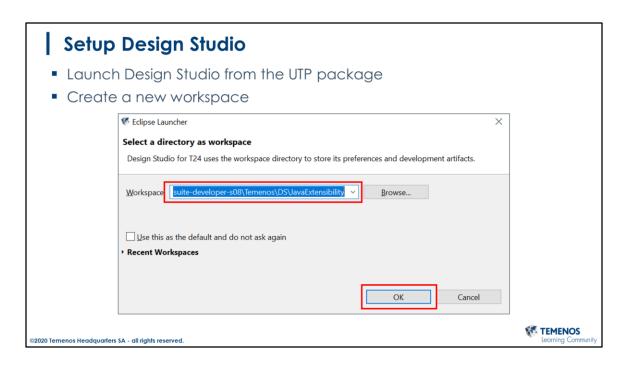
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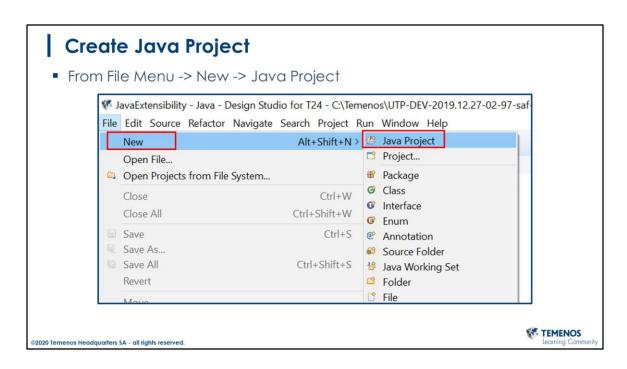
I am going to describe
Create Java Project
Configure Build path
Create Class, Package
Determine Workflow



Launch Design Studio from the UTP package. Design Studio can be found under the UTP Package DS folder.

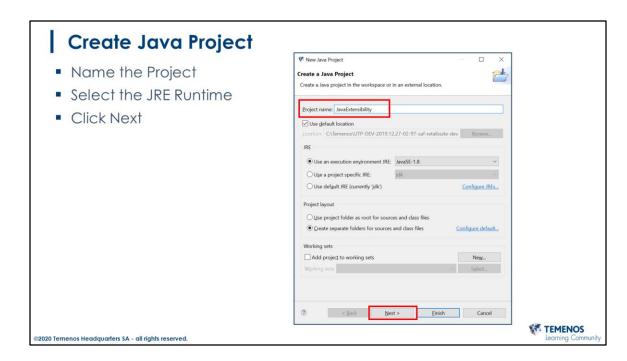
Create a workspace with a valid name.

Click ok to open the workspace



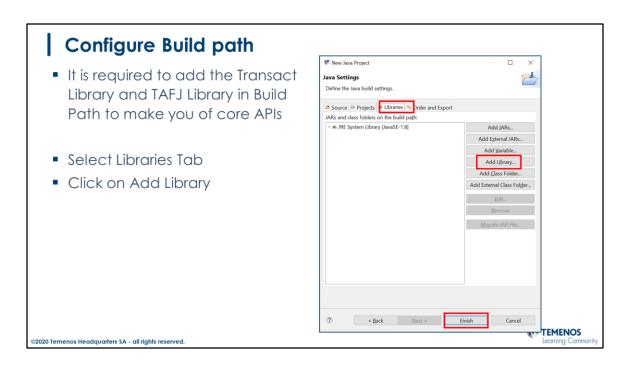
After opening the workspace. Lets create the Java Project Click on File Menu -> New -> Java Project

This will open the new project wizard



In the New Project Wizard,

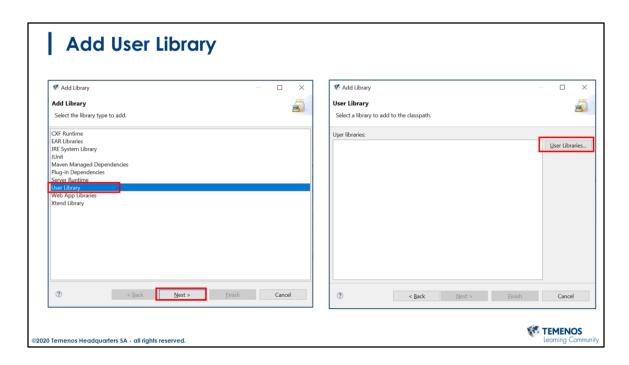
Enter the name of the project Choose the JRE for the project And Click Next



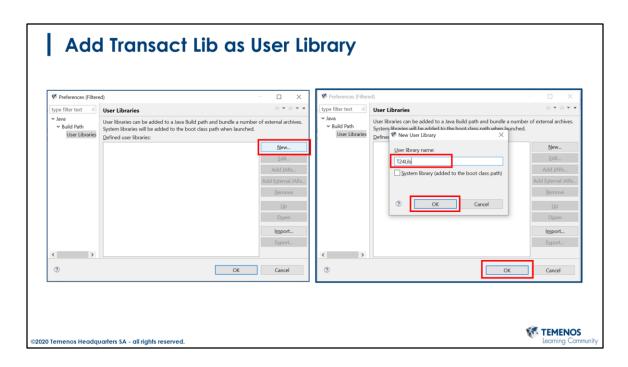
It is required to add the T24 Library and TAFJ Library in Build Path to make you of core APIs

Under the Libraries tab,

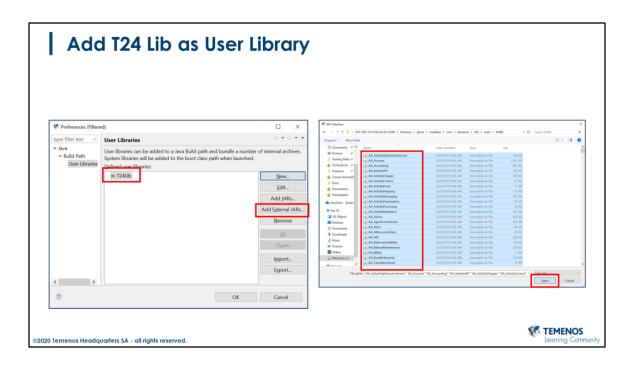
Click on "Add Library"



Select User Library. This will open "Add Library" Wizard. From the "Add Library" Wizard, Select User Libraries



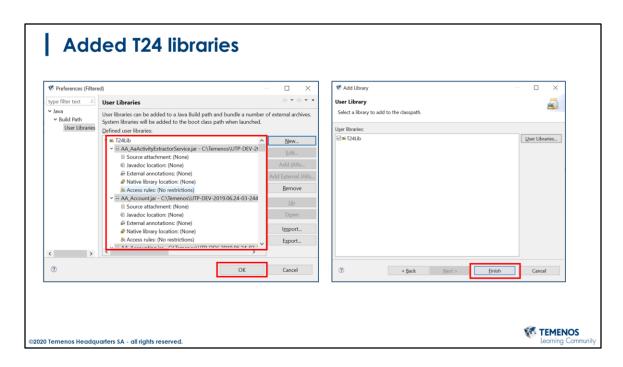
From the Preferences Wizard, Select New Name the Library. In Our case we are going to add the T24 Lib as a reference. Click ok to create the library



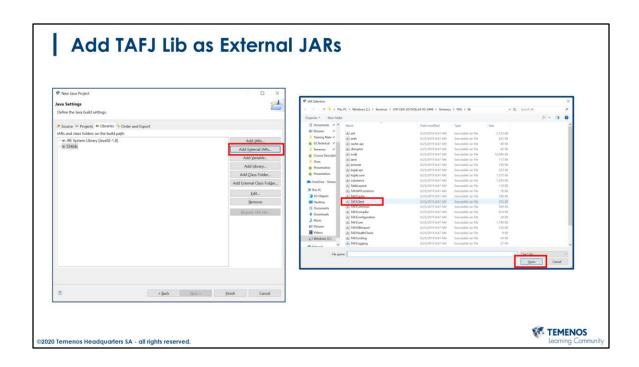
Select the User Library created just now Select Add External JARs

From the file explorer, navigate to C:\Temenos\UTP-DEV-2020.03.01-02-240-saf-retailsuite-developer-s08\Temenos\jboss\modules\com\temenos\t24\main\t24lib

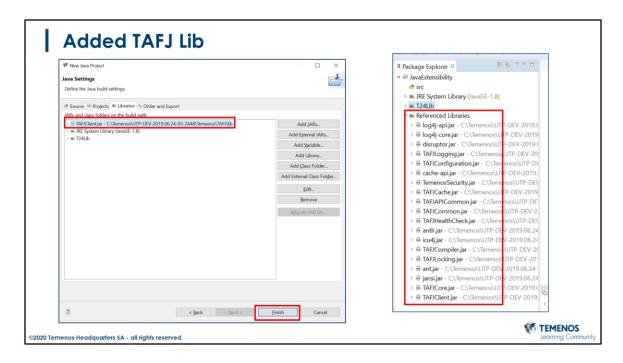
Select all the JARs Select Open



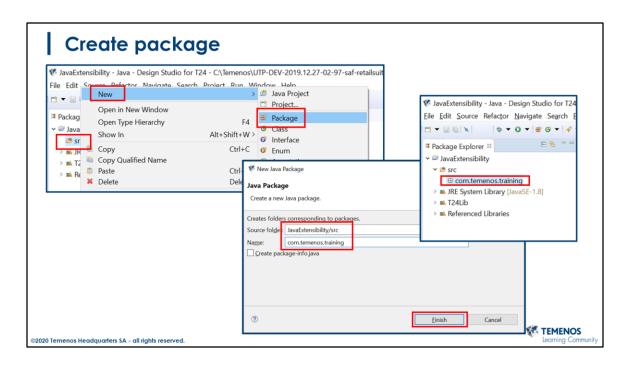
All the JARs are added to the library Click ok to close the wizard



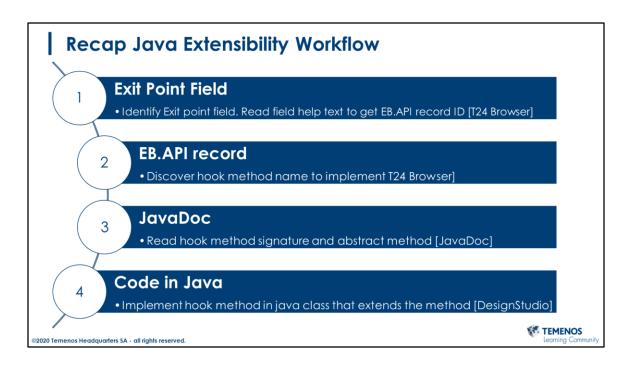
From the New Project Wizard,
Select Add Extenal Jars
From the file explorer, Navigate to C:\Temenos\UTP-DEV-2020.03.01-02-240-safretailsuite-developer-s08\Temenos\TAFJ\lib
Select TAFJClient.jar
Click ok Open



Click Finish to add the reference library



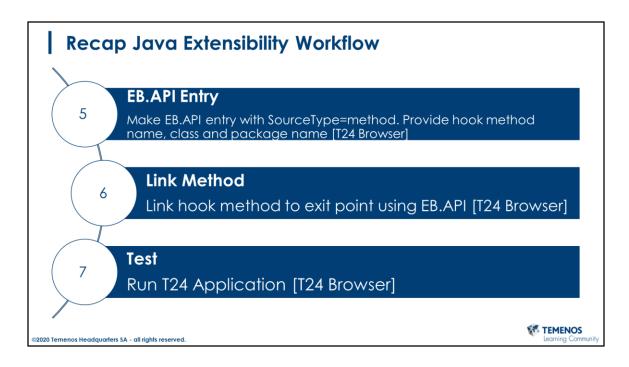
Add a new Java Package by selecting src folder Right click on src folder Select New -> Package Name the package with java naming convension Click finish New package created.



Recap of Java Extensibility Workflow

Java Extensibility workflow,

- Identify the Exit Point field that where do you want to attach your logic. Read the help text to get EB.API record ID of the core invoker
- 2. Discover the hoot method name to implement. Read the EB.API
- 3. Read hook method signature and abstract method from the Java document.
- 4. Implement hook method in java class that extends the method using Design Studio/Eclipse



- 5. Make an entry in EB.API with the source type as method. Provide hook method name, class and package name. This can be done using the T24 Browser

 6. Link Hook method to exit point field using EB.API. Example: Attach the EB.API id to
- 6. Link Hook method to exit point field using EB.API. Example: Attach the EB.API id to the INPUT.ROUTINE Field in Version application
- 7. Run the T24 Application

Scenario

- Raise an error message from a FUNDS.TRANSFER screen when the CREDIT.CURRENCY and DEBIT.CURRENCY are not same.
- Use INPUT.ROUTINE Field to attach the Routine/Method

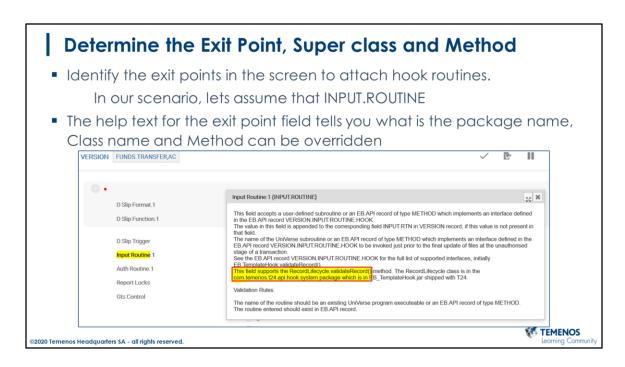


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Example,

Raise an error message from a FUNDS.TRANSFER Screen when the CREDIT.CURRENCY and DEBIT.CURRENCY are not same.

Use INPUT.ROUTINE Field to attach the Routine/Method

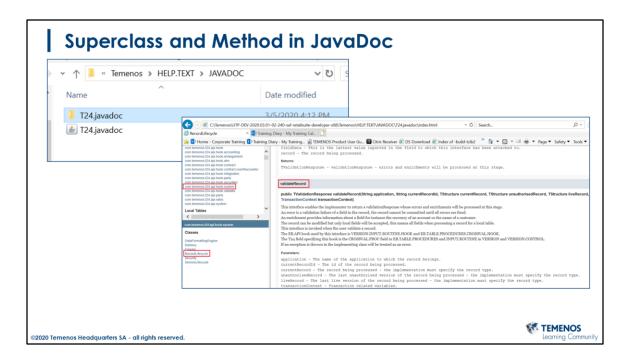


Determine the Exit Point, Super class and Method,

Identify the exit points in the screen to attach hook routines.

In our scenario, lets assume that INPUT.ROUTINE

The help text for the exit point field tells you what is the package name, Class name and Method can be overridden



Identify Superclass and Method in JavaDoc,

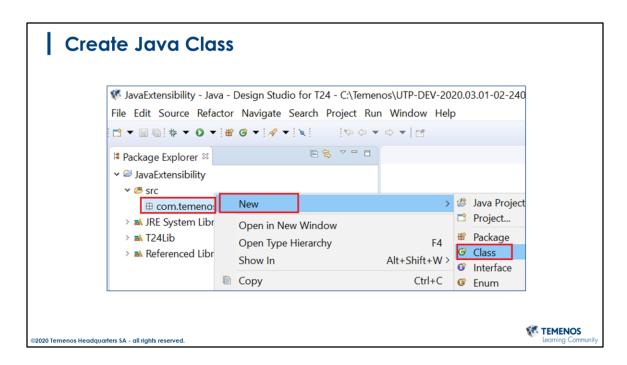
Java Doc can be found under, C:\Temenos\UTP-DEV-2020.03.01-02-240-saf-retailsuite-developer-s08\Temenos\HELP.TEXT\JAVADOC

Select the package from the packages window

Once you select the package, available classes are listed below in the "All Classes" window

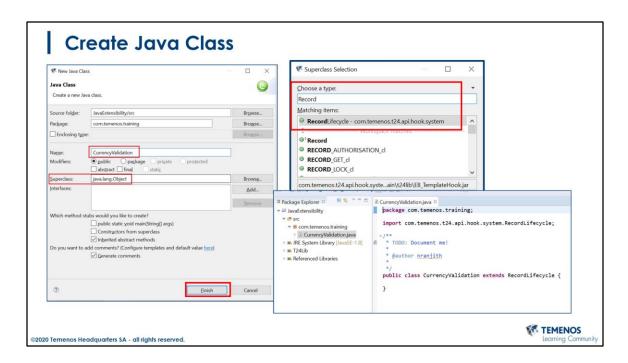
Select the Class from All classes window.

On the right hand side in the main window we can see the Summary and Detail of the class



Create Java Class,

Select the package from the package explorer Right click on the package -> New -> Class

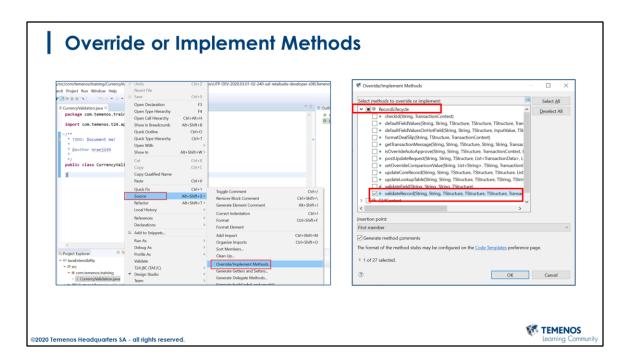


New Java Class wizard will appear,

Enter the valid name to the class

Select the appropriate super class (identified in the previous slide), by selecting browse

Click finish to create the class

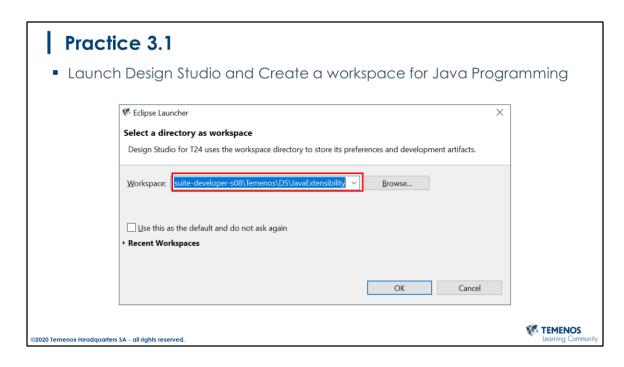


Override or Implement Methods,

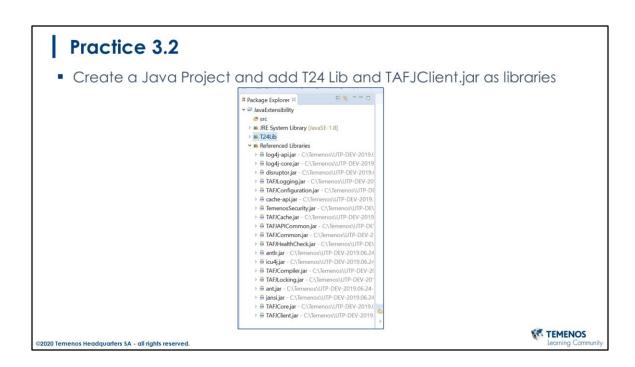
By right clicking on the class -> select source -> Override / Implement class we can see the available methods to implement.

Select the methods you want to implement (Methods identified in the previous stage) and say Ok.

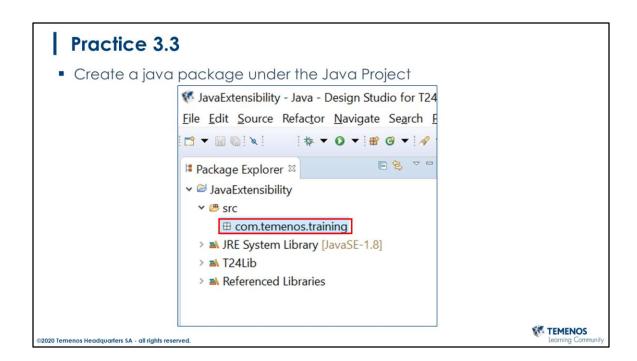
Method validateRecord is overwritten in the above example

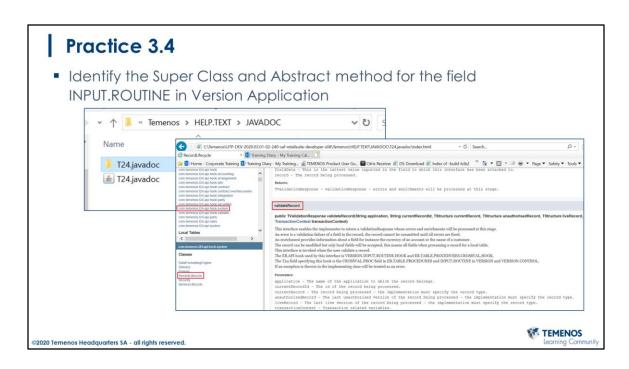


Launch Design Studio and Create a workspace for Java Programming



Create a Java Project and add T24 Lib and TAFJClient.jar as libraries

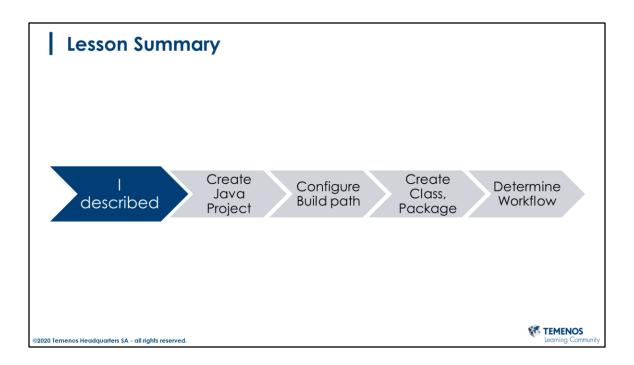




Identify the Super Class and Abstract method for the field INPUT.ROUTINE in Version Application

Create a Java class under the package created and extend the Super class identified in the previous exercise

Override the method identified in the previous exercise



I described

Create Java Project Configure Build path Create Class, Package Determine Workflow

