|  |  |  |
| --- | --- | --- |
| SAP Interface Function Specification Document for I4002 ShippingDetails |  | |
|  | |  |

|  |  |
| --- | --- |
| **Business Process Organizational Structure** | Shipping Data |
| **Process Owner** | Pradeep Nair |
| **Original Author(s)** | Capgemini L&D Team |
| **Current Revision Author(s)** | Capgemini L&D Team |

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 22/02/2021 | Pradeep Nair | Initial Release |
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# OBJECT REQUIREMENT SUMMARY

## Object Information and Attributes

The following is current information about this object and document:

|  |  |
| --- | --- |
| **Object ID** | I4002 |
| **Title** | ShippingDetails |
| **Team Which**  **Owns the Object** |  |
| **System Version Source** | SOAP UI |
| **System Version Destination** | CG sharefolder |
| **Development Type** | Interface |
| **Link to Process Flow/FDD(SAP and Non-SAP)** | <<No link>> |

## Requirements Summary and Business Driver

As a part of PI Case Study exercise, we need to trigger a soap request message and convert it into required output xml after dynamically calculating output filename and directory and put it in CG shared folder.

### Alternatives to Object

N/A

### Impact of Implementation

Files will be sorted in correct folders with proper naming convention

### Impact of No Implementation

If the interface is not developed lot of manual effort will be required to sort the files.

## Assumptions

Necessary SAP connectivity configuration is in place to access the soap url and drop the files in shared folder.

## Current Functionality

N/A

## Required Functionality

Once the interface is developed, extract the WSDL file. Create a Soap project in SOAPUI using the WSDL and trigger a message with relevant data. Based on the Country if its India or Others, the file should be placed in appropriate folders with naming convention.

## Performance Criteria

| ***Source***  ***System*** | ***Destination***  ***System*** | ***Performance Requirements for Interfaces*** | | |
| --- | --- | --- | --- | --- |
|  |  | Average Transactions / Records and Type per Interface Run (include input & output): | Peak Transactions / Records and Type per Interface Run (include input & output): | Required Throughput For Interface (include input & output): |
| SOAPUI | Share folder | On demand | On demand | On demand |
|  |  |  |  |  |

# INTERFACE DESIGN SPECIFICATIONS

## Detailed Requirements

| *Interface Business Object* | |
| --- | --- |
| **Business Object** | StudentData |
| **Business Object Description** | Marks of all the students |

|  |  |  |
| --- | --- | --- |
| ***Application Name*** | ***Source*** | ***Destination*** |
| SAP ERP EC5 |  |  |
| CG share folder |  |  |
| SOAPUI |  |  |

|  |  |
| --- | --- |
| ***Source Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService |  |
| Other (Describe) Idoc |  |

|  |  |
| --- | --- |
| ***Destination Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService |  |
| Other (Describe) Idoc |  |

| *Legacy Systems* | *Contact Name* |
| --- | --- |
| N/A | N/A |
| Source 1 |  |
| Source 2 |  |

|  |  |
| --- | --- |
| *Method of Execution:*  (Foreground / Background Scheduled / Manual / On Demand) | Trigger a request message from SOAP UI |
| *Inbound / Outbound:* | Inbound |

## Error Handling

**N/A**

# Selection Criteria/Screen

| **Field Name** | **Selection Text / Description** | **Type of Field (Check Box / Radio Button / Select-Option / Parameter)** | **Search Help / Pick List / List of values**  **(Y / N)** | **Validation Required**  **(Y / N)** | **Default Value** | **Mandatory**  **/ Optional** | **Single/**  **Multiple/**  **Range/**  **all possible combinations** | **Fields Grouping /Frame name** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N/A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## Detailed Requirement

Once the interface is developed, extract the WSDL file. Create a Soap project in SOAPUI using the WSDL and trigger a message with relevant data. Based on the Country if its India or Others, the file should be placed in appropriate folders with naming convention.

SOAP Request Message

File

XI1

ShareFolder

SOAPUI

ShippingDetails\_<ShipmentNumber>\_YYYYMMDD\_HHMMSS.xml

## Detailed Data Mapping

Please find the Mapping specification attached below.

Mapping sheet



## Processing Specifications

| *Processing Business Rules* |
| --- |
| Output File Naming convention : ShippingDetails\_<ShipmentNumber>\_YYYYMMDD\_HHMMSS.xml |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Rule*** | **How is this Interface initiated or triggered?** |  | **What is the Initiation or Trigger Source?** | **How frequently is this Interface run?** | **What days of the week does this Interface get run?** | **What time of the day is this Interface run & what is the allowed time window?** | **What are the predecessor processes & dependencies for this Interface?** |
| ***Description*** | SOAP UI |  | N/A | N/A | All days | After successful trigger | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |

## Scheduling Requirements

**File Descriptions (if applicable)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Input File Requirements for Inbound Integrations (if applicable)*** | | | | | | | | | |  | |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Source File** | |
| ***Description*** | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| ***Source 1*** |  |  |  |  |  |  |  |  |  | |
| ***Source 2*** |  |  |  |  |  |  |  |  |  | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Output File Requirements for Outbound Interfaces (if applicable)*** | | | | | | | | |  |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Client File** |
| ***Description*** | Refer3.1.2 section | ShippingDetails | N/A | N/A | Directory:  For India Files  [\\inblrxi1\Training\Capgemini\_2021\In\India](file://inblrxi1/Training/Capgemini_2021/In/India)  For Others  [\\inblrxi1\Training\Capgemini\_2021\In\Others](file://inblrxi1/Training/Capgemini_2021/In/Others)  FileName :  **ShippingDetails\_<ShipmentNumber>\_YYYYMMDD\_HHMMSS.xml** | N/A | To be filtered in Middleware | N/A | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |  |  |

## Architecture Specifications

N/A

## Unit Test Plan

Identify the Test Scenario to be used to test the development with:

|  |  |  |
| --- | --- | --- |
| Test Considerations | Scope of Testing (Inside SAP (IS) / Outside SAP (OS) / Both (BO)) | Target Test Date |
|  | Both (BO) | 15/03/2021 |

## Related Business Scenario and Business Transactions

**Test Data**

Sample Input File :



Sample Output File:

