**Sales Order Application**

The application's purpose is to generate sales orders using RAP technology. This app transforms the traditional VA01 SAP GUI transaction into an SAP RAP application, enhancing the user experience with a more intuitive interface. It simplifies complexity while maintaining all necessary transactional business functions.

**Benefits: -**

* User friendly RAP list Application for Sales Order.
* The ultimate objective is to perform the following actions - list, create, modify, and manage sales orders seamlessly.
* Sales Order application using RAP enhances data integrity by preventing data loss and reduces user frustration by allowing them to save incomplete orders. This contributes to a smoother and more error-free order entry process.

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| **Expected Functionality** | **Achieved Functionality** | **Completion %** |
| Create a user-friendly app for Sales Order. | Created a user-friendly app for Sales Order. | 95% |
| Create CRUD Operation with new Create/Edit button to create or update entries in standard CDS views I\_SALESDOCUMENT & I\_SALESDOCUMENTITEM | Create CRUD Operation with new Create/Edit button.  **Achieved**: -  Used Managed Business Object with Unmanaged Save functionality which allows us to utilize the Managed Behavior i.e., we can achieve Standard Determination, Validation, Actions, Draft functionality and Overriding the Standard Create/Update/Delete operation using BAPI. | 100% |
| **Features:** | |  |
| Determination on Material | Determination OF Salesdocumentitemtext, Orderquantityunit, Baseunit, Transactioncurrency(EUR) and Netpriceamount (1000) from CDS Views I\_MATERIAL and I\_MATERIALTEXT | 100% |
| Determination on OrderQuantity using Side effects | Determination of Net Amount (OrderQuantity\*NetPriceAmount) to update in Header and Item entity also to add <Annotation Term="Common.SideEffects" in the annotation.xml file of a Business Application Specification (BAS) | 100% |
| Validation of Distribution channel, Division, Sales Document type, Sales Group, Sales Office, Sales organization,  Soldtoparty, Shiptoparty in Header level | Validation is taken care by EML using standard CDS views and it will be triggered on save - when it is either modified or created | 100% |
| Validation of Material in Item level | Validation is checked against view 'I\_MATERIAL' and it will be triggered on save - when it is created | 100% |
| F4 help for the Header fields Sales document, Distribution channel, Division, Sales Document type, Sales Group, Sales Office, Sales organization,  Soldtoparty, Shiptoparty and Payment terms | Sales document - 'I\_SalesDoccumentBasic'  Distributionchannel - 'I\_DistributionChannel'  Division - 'I\_Division'  SalesDocumenttype - 'I\_SalesDocumentType'  SalesGroup - 'I\_SalesGroup'  SalesOffice - 'I\_SalesOffice'  Salesorganization - 'I\_SalesOrganization'  Soldtoparty - 'I\_Customer\_VH'  Shiptoparty - 'I\_Customer'  Paymentterms - 'I\_CustomerPaymentTerms' | 100% |
| F4 help for the Item fields Plant, Shipping Point and Storage Location | Plant - 'I\_Plant'  ShippingPoint - 'I\_ShippingPoint'  StorageLocation - 'I\_StorageLocation' | 100% |
| Validation of Sales Order and Horizon theme | If Overall processing status of sales order document is completed, then if they click on Edit button error message is displayed and UI annotation worked perfectly in T4X launchpad using custom horizon theme | 100% |
| Add Controller Extension | To Import sales orders from Excel the extension is added in BAS | 50% |
| **Technical Attributes** | |  |
| CDS View Created | * ZI\_SO\_HEADER * ZI\_SO\_ITEM (Define the Composition Model) | 100% |
| Root View Entities | * ZI\_SO\_HEADER | 100% |
| Projection view | * ZC\_SO\_HEADER * ZC\_SO\_ITEM | 100% |
| Draft Functionality | Tables:  ZDT\_SO\_HEADER & ZDT\_SO\_ITEM | 100% |
| Metadata Extension | * ZME\_SO\_HEADER * ZME\_SO\_ITEM |  |
| Behavior Definition | * ZI\_SO\_HEADER * ZC\_SO\_HEADER |  |
| Application Deployment | Application deployed using BAS.  BSP Application- ZRAP\_UI\_SO\_V4  Template changed from List Report to Master Detail. | 100% |
| Add Application in Fiori Launchpad | Deployed the Application in Fiori Launchpad using the below Fiori Configuration.   * Created a new Business Catalogue. * Created a new Business group. * Created a new Semantic Object. * Configure the semantic object and action for tiles and Target Mapping. * Created a new business role in PFCG. | 100% |