

Transaction Purchase Order using SAP Tool

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Abstract - To implement an integrated system of database management, there must be a central database where, the enterprise can find out all information about any material passing through the database system. The purpose is, to find out customer interest rate based on products then analyzed and calculate output through Algorithm, which provides interesting best to customer on multiple products for marketing department. So that its easier for offers and schemes as per customer interest requirement. Financial, inventory stock management, supplier information management then generating ALV report, and smart forms that are necessary for business process order like for small organization customization of **SAP** ERP package, we are concentrating mainly on finding customer interest rate for multiple product selected from database Management module.

Key Words: Enterprise Resource Planning, EHP7 version System Application and Products, database Management Module, Customization, SAP R/3.

1. INTRODUCTION

SAP is a market leader application tool in providing ERP (Enterprise Resource and Planning) solutions and services reliable. The main aim of ERP system is to reducing human labour, effort, time and errors due to human negligence. ABAP Module is used as **SAP** tool to developed application of system module. Enterprise Resource Planning (ERP) is a software system that is built to enterprise belonging to different industrial blocks, regardless of their size and strength. The approach of this project accesses the date from different department centrally. To making that integrated system through which different depart get the integrated system and, update the data from the integrated database system. The product requested from customer should be delivered to customer from sales department which will be available in inventory or else to process the product. Using **SAP** tool, we make integrated database of electronic device and shows the flow of transaction purchased order.

1.1 PROBLEM STATEMENT

As the business increases rapidly, it is necessary to maintain database of all the products. As in small organization (consider electronic device) have to maintain each individual department separate databases. Problem faced was that every time customer had to request for product in purchased department and then department have to checked the availability in inventory house it means organization facing

the problem of non-integrated system. Along with non integrated system it does not increase the customer interested rate by generating automated mail system.

1.2 SCOPE

In order to achieve the objective of the project i.e. to provide a friendly user interface for ERP system especially for start-up business or firm, several scopes need to be identified. The scope of the project includes:

1. To integrate several databases using **SAP** tool.
2. Build friendly user GUI using ABAP language, recognition engine by Debugging tool for execution.
3. The system integrates by using workbench tools.

The layers used in this project are:

1. Presentation level:

Presentation servers contain systems capable of providing a graphical interface.

1. GUI stands for Graphical user interface
2. Presentation Layer is also known as client Layer.
3. In **SAP**-User interaction purpose we use GUI
4. Example – Desktop, Mobile Devices, laptops etc

2. Application level:

1. Application Layer is also known as Kernel Layer and Basic Layer.

2. **SAP** application programs are executed in Application Layer.

3. Application Layer serves as a purpose of a communicator between Presentation and Database Layer.

4. Application server is where the dispatcher distributes the work load to the different work processes make the job done.

3. User level:

1. Database layer stores the data

2.Data store can be Business data, SAP system data, SAP tables, Programs.

3.Examples – Oracle, Microsoft SQL Server, IBM DB/2, Siebel, Sybase, etc.

3. Proposed System

The evaluation according to customer interest on products and based on analyzed output, it provides interesting best product to customer interest products to marketing and sales department. The Proposed algorithm find out interest rate of customers on given product based on purchased orders they had placed in past.



Fig -2: Header Table

In the Header dictionary table maintain all the database of product on which we perform operation or manipulate the data. The Header table is the main table in dictionary table use T-code as SE-11. In this header table it contains PO i.e., purchased order number.

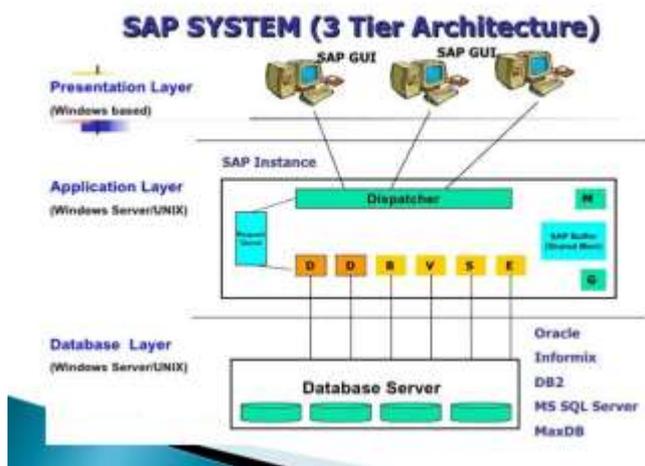


Fig -1: Three Tier Architecture System

The flow of transaction purchased order for electronic device in which all the details of product is maintain in database and show the inter connection of database perform

the operation for transaction in application layer. To show the output result of transaction order in smart form this shows from presentation layer.

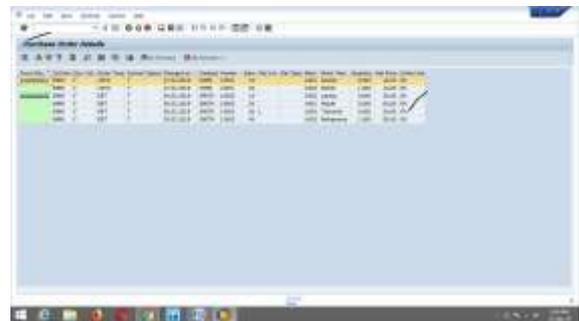


Fig -3: Item Details

The Item table in Dictionary table contains all the relevant information of Item details like Item number, quantity and so on. This table gives information transaction flow of purchased order of item details.

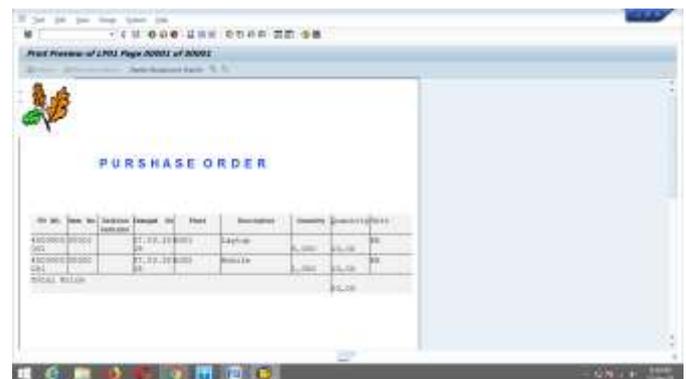


Fig -4: Invoice Receipt

The Smart form is used to create and maintain forms for printing invoice receipt in system. Enter the transaction code of smart form then in form attributes write code and form printer will generate the layout page of receipt generated from mail system.

4. CONCLUSION

The SAP can provide a lot of beneficial to organization such as decreased cost, increase level of data security and consistency, enable different departments of same or different organization. The aim of project is to address problem facing in enterprises in which frequently update the database based to customer’s interstigeous multiple product.

5. FUTURE WORK

In our project, we have considered sales orders and according to the interesting product evaluate the algorithm with past scaled existing data item sets. This project can be extended by using bar code scanner generation, it will be

more efficient placed the order using bar code scanner. It will automatically scan the bar and read the PO number and generate the details of material. This project can be implemented by hybrid algorithm.

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