Inventoy Management System

ABOUT SUTRAPLUS

01

A Sutra Plus is a web-based tool merchants and businesses use to access and track transaction data in real-time and manage operations, sales, and customer interactions. It simplifies critical processes requires to **manage merchants of all types and sizes swiftly and efficiently**

- ✅ Centralize and automate your inventory system.
- ✅ Track inventory, supplies, materials, and more.
- ✅ Perfect for small business inventory management.

TASK ON HAND

02

DevExpress

To Implement
Dev Express
(Single Report data)
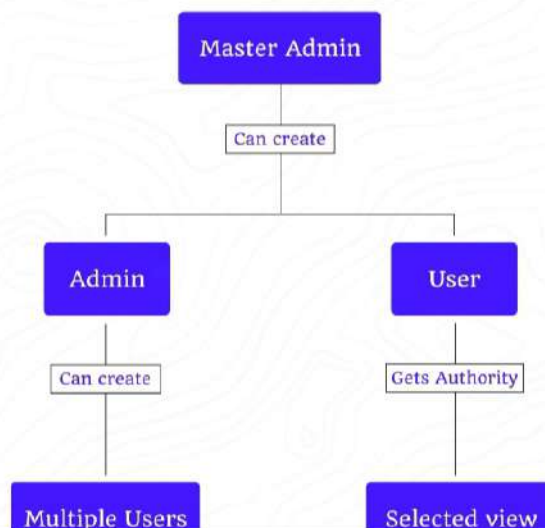
Add Calculations
(Fetch, Combine data
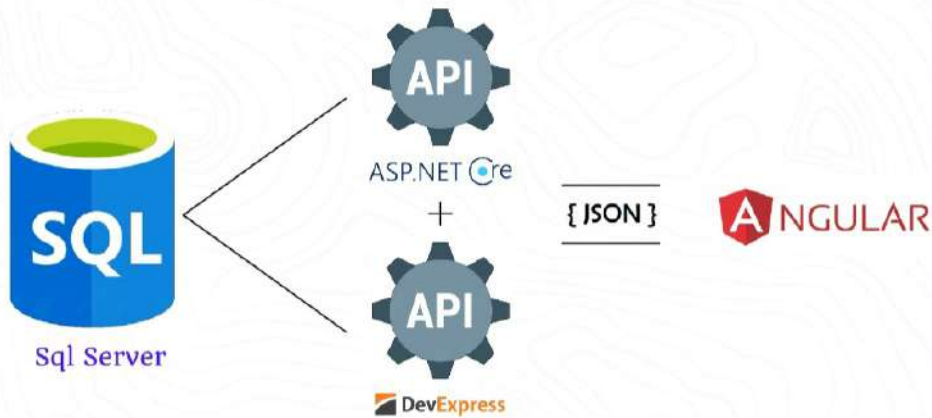from multiple tables

Solve Bugs in
Existing Project
(All Pages)

DevExpress

To Implement
Dev Express
(Multiple Report data)

USER TYPES

03

Master Admin

Can create

Admin

User

Can create

Gets Authority

Multiple Users

Selected view

3-TIER ARCHITECTURE **DEVELOPMENT**

SQL
Sql Server

API
ASP.NET Core
+
API
DevExpress

{ JSON }

ANGULAR

KEY **COMPONENTS**

DevExpress

We Implemented Dev Express to show company **Reports**, **Invoice Reports**, **purchase return, sales return etc**

PROBLEM & **SOLUTIONS**

Problems

- ⊗ Add External filter Eventhough filter is in dev express, user gets easy access to filter data

- ⊗ Total amount should be calculated automatically on the basis of Inventory item like no. of bags, Total quantity, rate.

- ⊗ Validation was not there

- ⊗ Huge amount of bugs were there

Solutions

- ⊘ Used Angular for external filter Front end -> Back end -> Passed report as parameter value

- ⊘ Made custom formula / condition for calculations

- ⊘ Done Proper validation

- ⊘ Solved All Bugs

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SCREENSHOTS OF SUTRAPLUS

Add Invoice

Here User/Admin will add inventory details like party name, item, total qty, rates etc.

Add Lorry Details

Here User/Admin will add lorry details like transporter name, lorry no, delivery address etc.

Invoice List

After adding Invoice and lorry details here it will show all invoice details

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Akada Entry

Here, how much Items are sold, details will be add and shown respectively

Bazar Purchase

Date	02/25/2024
Commodity	Dry Chilles
Party	Supreme Trading Company
Lot No	1
Bags	23
Rate	10000
Mark	PL
Total Weight	15000
Amount	1500000

[Options] [Delete List] [Submit]

S.no	Lot No	No.of bags	Rate	Weight	Amount	Mark
1	1	23	10,000.00	15000	1,500,000.00	PL
2	1	14	1,500.00	5620	84,300.00	PL
3	1	12	10,000.00	1200	120,000.00	PL
4	1	12	15,000.00	1500	225,000.00	SPD
5	1	6545	564.00	121	575.80	54
6	1	15	1,500.00	1050	15,750.00	PL
7	2	12	1,444.00	151	2,180.44	PL
8	2	14	1,500.00	1510	22,650.00	PL
9	3	11	11,000.00	121	13,310.00	**
10	105	9	100.00	100	100.00	PL
11	105	9	15,000.00	13092.53	1,963,879.50	PL
12	105	9	15,000.00	13092.53	1,963,879.50	PL
13	105	9	15,000.00	13092.53	1,963,879.50	PL
Total		6694		55650.59	7,875,605.74	

Total Bags	6694
Total Weight	15000
Total Amount	7875605.74
Packing	75.00
Hamali	72.75
Weightman Fee	22.50
Commission	315.00
Dass	94.50
Taxable Value	16329.75
SGST	408.24
CGST	408.24
Round Off	-0.23
Grand Total	17146.00

Verify bills

After adding akada entry user/admin will verify bill order wise

From: 03/12/2024   To: 03/12/2024   [Filter] [Print]

S.no	Date	Party Name	Total Bags	Total Weight	Bastani	Bill Amount	Bill Number	GSTIN	Action
1	2024-02-21	A D Brothers	0	0	0.00	0.00	Enter Bill Number	29AROFA6586C1ZB	[Edit] [Update]
2		S M Patil	460	551202940	900,316,443,950.00	0.00	Enter Bill Number	29ADYPP4648R17H	[Edit] [Update]
3	2024-02-21	S M Patil	56	2091.044999999997	33,244.31	0.00	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
4	2024-02-22	S M Patil	26	538	12,402.74	0.00	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
5	2024-02-23	S M Patil	24	2126	22,575.12	0.00	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
6	2024-02-25	S M Patil	18	1500	2,259.00	0.00	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
7	2024-02-25	S M Patil	252	31001	2,408,091.04	0.00	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
8	2024-02-27	S M Patil	14	100.44	55,644.00	0.00	Enter Bill Number	29ADYPP4648R17H	[Edit] [Update]
9	2024-03-11	S M Patil	14	30987.44	0.00	109.50	Enter Bill Number	29ADYPP4648B1ZB	[Edit] [Update]
10		Supreme Trading Company	36	29077.590000000004	5,091,738.50	0.00	Enter Bill Number	29AASFS3715J1ZL	[Edit] [Update]
11	2024-02-15	Supreme Trading Company	33	1515	1,002,180.44	0.00	Enter Bill Number	29AASFS3715J1ZL	[Edit] [Update]
12	2024-02-16	Supreme Trading Company	15	1050	15,750.00	0.00	Enter Bill Number	29AASFS3715J1ZL	[Edit] [Update]
13	2024-02-27	Supreme Trading Company	37	3131	269,993.00	257,003.47	Enter Bill Number	29AASFS3715J1ZL	[Edit] [Update]
14	2024-02-26	Supreme Trading Company	14	5620	84,300.00	0.00	Enter Bill Number	29AASFS3715J1ZL	[Edit] [Update]

Report Generator

From here we can see all page reports like purchase, sales, debit note etc at one place

Select Month [Select Month ▼]   From: 03/01/2022   To: 03/31/2022

Print Registers

Party Name
[Select Party ▼]   [Purchase] [Sales] [Purchase Return]
                    [Sales Return] [Credit Note] [Debit Note]

List and Registers

Party Name
[Select Party ▼]   [Purchase] [Sales] [Purchase Return]
                    [Sales Return] [Credit Note] [Debit Note]

Party Wise Reports

[Commission and Hamali]   [Sales Report]

Print Party Personal Details

Group Name
[Select Group ▼]

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