



Inventory Management System

ABOUT SUTRAPLUS

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



To Implement
Dev Express
(Single Report data)



Add Calculations
(Fetch, Combine data
from multiple tables

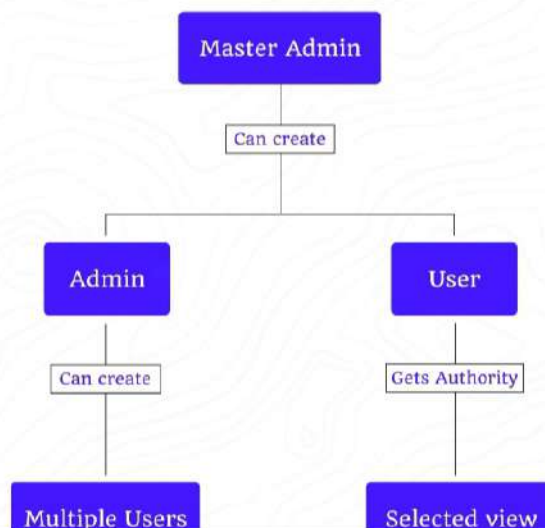


Solve Bugs in
Existing Project
(All Pages)

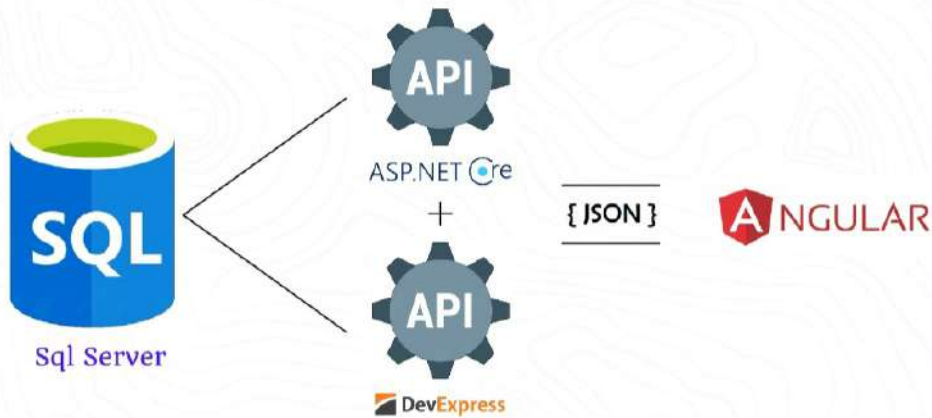


To Implement
Dev Express
(Multiple Report data)

USER TYPES



3-TIER ARCHITECTURE DEVELOPMENT



KEY COMPONENTS



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

The screenshot shows a DevExpress report viewer interface. On the left, there is a sidebar with 'EXPORT OPTIONS' including CSV, HTML, IMAGE, PDF, RTF, TEXT, XLS, and DOCX. The main area displays a report titled 'AND COMPANY' with a table of data. The table has columns for Month, Bag's Value, Tons's Value, SGT, CGST, and IGST. The data is organized by month from March 2022 to March 2023, with a total row at the bottom.

Month	Bag's Value	Tons's Value	SGT	CGST	IGST
March-2022	54780971000	54780971000.00	45841548.05	45841548.05	242130825.18
April-2022	291126143	291126143.00	2399770.32	2399770.32	7281403.09
May-2022	249170424	249170424.00	2055320.36	2055320.36	5347556.60
June-2022	30916000	30916000.00	2595243.89	2595243.89	8076166.11
July-2022	30916000	30916000.00	2595243.89	2595243.89	8076166.11
August-2022	30916000	30916000.00	2595243.89	2595243.89	8076166.11
September-2022	22164000	22164000.00	1833348.32	1833348.32	6015974.20
October-2022	19404200	19404200.00	1591423.48	1591423.48	4643589.05
November-2022	20911300	20911300.00	1701423.48	1701423.48	4643589.05
December-2022	39930300	39930300.00	3242914.00	3242914.00	8085833.08
January-2023	46594000	46594000.00	3791230.97	3791230.97	10009883.46
February-2023	235791170	235791170.00	1941152.76	1941152.76	10009883.46
March-2023	112194000	112194000.00	9235687.71	9235687.71	21179116.90
Total	51299380400	51299380400.00	43389114.146	43389114.146	33141246.12

PROBLEM & SOLUTIONS

Problems

- ✗ Add External filter Eventthough 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

SCREENSHOTS OF SUTRAPLUS

Add Invoice

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

Party: A K Bhanderi | Date: 01/11/2023 | Invoice No: 43

Sr. No.	Select Item	KG/Bag	No. of Bags	Total Qty	Rate	Amount	Mark
1	service1	100	1122	112200	5	561000	mark
Total		1122	456000			579600	

Enter Charges: Lorry Details (Selected)

Payment Details:

- Taxable Amount: 77,39,600
- Total GST Amount: 4,93,128.00
- Round Off: 0.00
- Grand Total: 82,32,728

From: Byadgi 581106 | To: Byadgi

Buttons: Reset, E-Invoice, Save

Add Lorry Details

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

PO No.: Enter po no.

Transporter: Shree Mahalaxmi Transport | Owner: Santosh

CL No.: Enter cl no.

Weight/Bag: 1000 | Advance Paid: 10000

Weight Price/Unit: 125

Entry Bill No.: Enter entry bill no.

Lorry No.: KAM82719 | Driver: Ramesh

Check Post: Enter check post

Total Weight: 3368500 | Vehicle Weight: 2712106

125 (x)

Delivery Address Details:

- Name: A K Bhanderi - Byadgi
- Address 1: B p m o rd
- Address 2: Enter address line 2
- Place: Byadgi
- State: KARNATAKA
- District: B
- Pin Code: Enter pin code
- State Code: 29
- Note: Enter note

Buttons: Reset, Save, Dispatcher Details

Invoice List

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

Prasanna Invoice Details

Search | Add Invoice

Sr. No.	Date	Invoice No.	Party Name	Amount	Action
1	31-02-2023	43	A K Bhanderi	3232728.00	Edit Print
2	31-02-2023	49	Supreme Trading Company	141.00	Edit Print
3	31-02-2023	47	Supreme Trading Company	171.00	Edit Print
4	31-02-2023	42	Supreme Trading Company	553.00	Edit Print
5	31-02-2023	41	Supreme Trading Company	553.00	Edit Print
6	17-02-2023	49	Unigreen Foods India Pvt Ltd	5544300.00	Edit Print
7	18-02-2023	49	Om Oil And Flour Mills Ltd	4682154.00	Edit Print
8	07-02-2023	48	Om Oil And Flour Mills Ltd	5551721.00	Edit Print
9	07-02-2023	37	Om Oil And Flour Mills Ltd	4048300.00	Edit Print
10	06-02-2023	36	Om Oil And Flour Mills Ltd	2682362.00	Edit Print
11	27-02-2023	35	Unigreen Foods India Pvt Ltd	4799300.00	Edit Print
12	31-02-2023	34	Unigreen Foods India Pvt Ltd	4410300.00	Edit Print
13	14-02-2023	33	Unigreen Foods India Pvt Ltd	4005300.00	Edit Print
14	12-01-2023	32	Aacharya Foods Pvt Ltd	1417500.00	Edit Print
15	13-01-2023	31	Aacharya Foods Pvt Ltd	4410300.00	Edit Print

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Akada Entry

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

Financial Year: 2022-2023

Bazar Purchase

Date

02/25/2024

Commodity

Dry Chilies

Party

Supreme Trading Company

Lot No

1

Bags

23

Rate

10000

Mark

PL

Total Weight

15000

Amount

150000

Options

Issue Lot

Submit

S.No	Lot No	No of bags	Rate	Weight	Amount	Mark	Total Bags
1	1	23	10,000.00	15000	1,500,000.00	PL	Total Weight
2	1	14	1,500.00	5620	84,300.00	PL	Total Amount
3	1	12	10,000.00	1200	120,000.00	PL	Packing
4	1	12	15,000.00	1500	225,000.00	SFD-Hamali	
5	1	6545	554.00	121	575.80	S4	Weightman Fee
6	1	15	1,500.00	1050	15,750.00	PL	Commission
7	2	12	1,444.00	151	2,166.44	PL	Deas
8	2	14	1,500.00	1510	22,650.00	PL	Taxable Value
9	3	11	11,000.00	121	13,310.00	AA	
10	105	9	100.00	100	100.00	PL	SGST
11	105	9	15,000.00	13092.53	1,963,879.50	PL	CGST
12	105	9	15,000.00	13092.53	1,963,879.50	PL	Round Off
13	105	9	15,000.00	13092.53	1,963,879.50	PL	Grand Total
Total		6694		55650.59	7,075,685.74		

6694

15000

7875605.74

75.00

72.75

22.50

315.00

94.50

16329.75

408.24

408.24

-0.23

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	Dastand	Net Amount	Bill Number	GSTIN	Action
1	2024-02-21	A D Builders	0	0	0.00	0.00	<input type="text" value="Enter Bill Number"/>	29ABCF6A8BAC12B	<button>Edit</button> <button>Update</button>
2		S M Patel	403	551202943	9803016448300.00	0.00	<input type="text" value="Enter Bill Number"/>	79ADYPM464R12H	<button>Edit</button> <button>Update</button>
3	2024-02-11	S M Patel	56	2091.9449999199997	33244.31	0.00	<input type="text" value="Enter Bill Number"/>	29ADYPM4640C12D	<button>Edit</button> <button>Update</button>
4	2024-02-22	S M Patel	26	538	12492.74	0.00	<input type="text" value="Enter Bill Number"/>	39ADYPM4640E12B	<button>Edit</button> <button>Update</button>
5	2024-02-21	S M Patel	24	2126	22575.12	0.00	<input type="text" value="Enter Bill Number"/>	29ADYPM4640E12D	<button>Edit</button> <button>Update</button>
6	2024-02-23	S M Patel	19	1500	7250.00	0.00	<input type="text" value="Enter Bill Number"/>	39ADYPM4640E12B	<button>Edit</button> <button>Update</button>
7	2024-02-25	S M Patel	252	31007	2406091.04	0.00	<input type="text" value="Enter Bill Number"/>	29ADYPM4640E12B	<button>Edit</button> <button>Update</button>
8	2024-02-27	S M Patel	15	100.44	16144.90	0.00	<input type="text" value="Enter Bill Number"/>	79ADYPM464R12H	<button>Edit</button> <button>Update</button>
9	2024-03-11	S M Patel	14	26907.41	0.00	106.50	<input type="text" value="Enter Bill Number"/>	29ADYPM4640E12D	<button>Edit</button> <button>Update</button>
10		Supreme Trading Company	36	29277.590000000004	5691736.50	0.00	<input type="text" value="Enter Bill Number"/>	29AADFS3715J12L	<button>Edit</button> <button>Update</button>
11	2024-02-23	Supreme Trading Company	39	15151	1502186.44	0.00	<input type="text" value="Enter Bill Number"/>	29AADFS3715J12L	<button>Edit</button> <button>Update</button>
12	2024-02-15	Supreme Trading Company	15	1050	15750.00	0.00	<input type="text" value="Enter Bill Number"/>	29AADFS3715J12L	<button>Edit</button> <button>Update</button>
13	2024-02-27	Supreme Trading Company	37	3131	260993.00	257,003.47	<input type="text" value="Enter Bill Number"/>	29AADFS3715J12L	<button>Edit</button> <button>Update</button>
14	2024-02-18	Supreme Trading Company	14	5620	54200.00	0.00	<input type="text" value="Enter Bill Number"/>	29AADFS3715J12L	<button>Edit</button> <button>Update</button>

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: 04/31/2022

Print Registers

Party Name

Select Party

Purchase

Sales

Purchase Return

Return Purchase

Debit Note

Credit Note

List and Registers

Party Name

Select Party

Purchase

Sales

Purchase Return

Return Purchase

Debit Note

Credit Note

Party Wise Reports

Commission and Bank

Cost Report

Print Party Personal Details

Group Name

Select Group

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