

Streamlining a complex development environment using Dyalog

DYNA '25 – 04/07/2025

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Who is BIG?

- Who is BIG and why is it a perfect use-case for APL
- Technology stack – where does APL/Dyalog fit in?
- New capabilities after migrating to Dyalog
- **New frontier: UI**

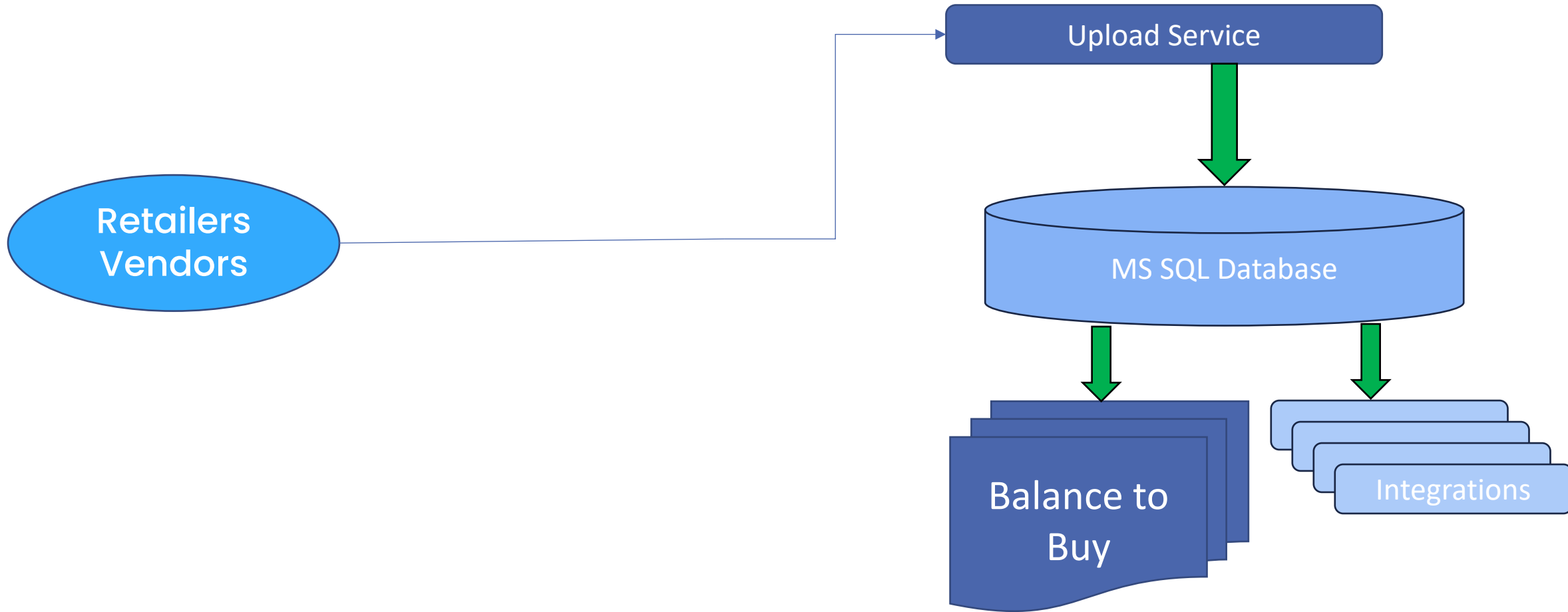
Who is BIG?

Who is BIG and why is it a perfect use-case for APL

- Service consultancy in the jewelry industry
 - Customers:
 - Retail Jewelers
 - Jewelry Manufacturers (vendors)
 - Jewelry industry service companies
 - Services:
 - Inventory analysis & merchandising consulting
 - Jewelry sales/inventory data aggregation
 - We provide these services by collecting accurate, timely data from 1600 retail jewelry stores using 40 different software systems, and 120 vendors.

Big Business – Disrupting the Jewelry Industry

- Prior to BIG - 2005
 - Independent Jewelers – family-owned businesses
 - No POS/Inventory Management
 - Wrong inventory mix
 - Too much non-performing inventory
- Balance to Buy - 2007
 - Improve performance by using data
 - Analyze prior consumer behavior
 - Strategies to reduce aged inventory
 - Budget/Plan/Buy/Manage

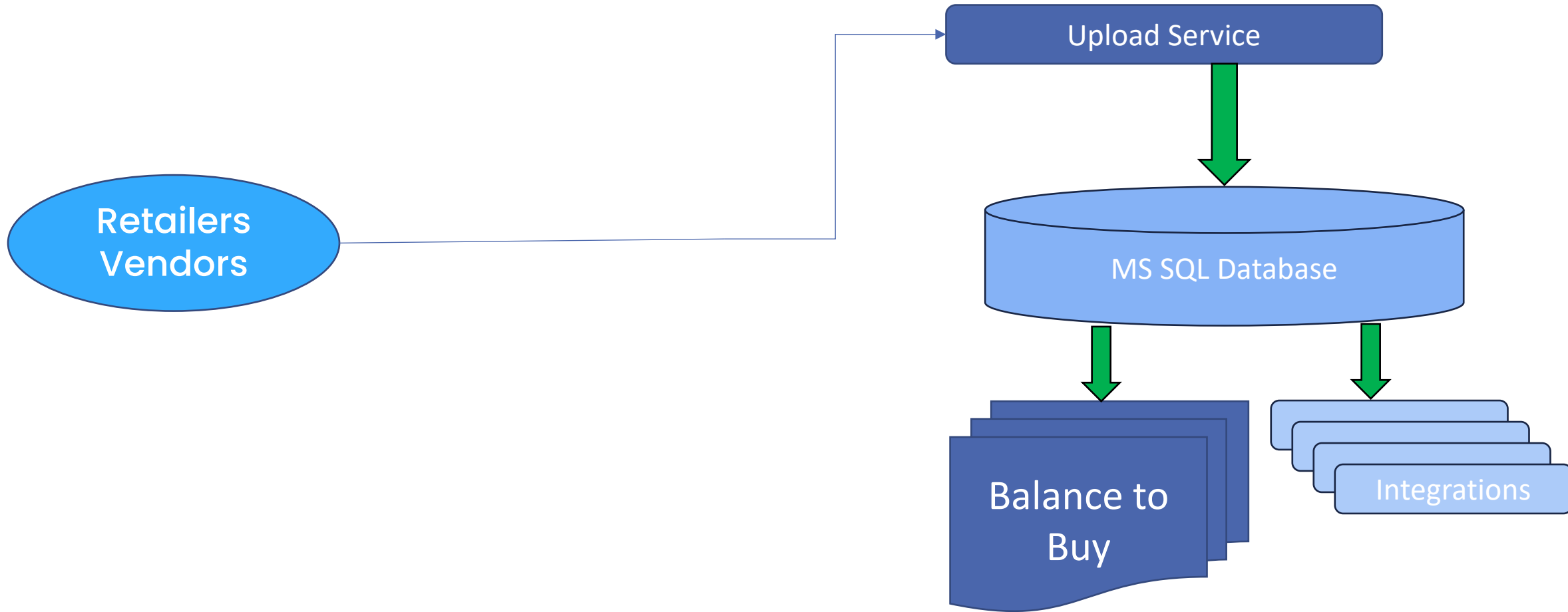


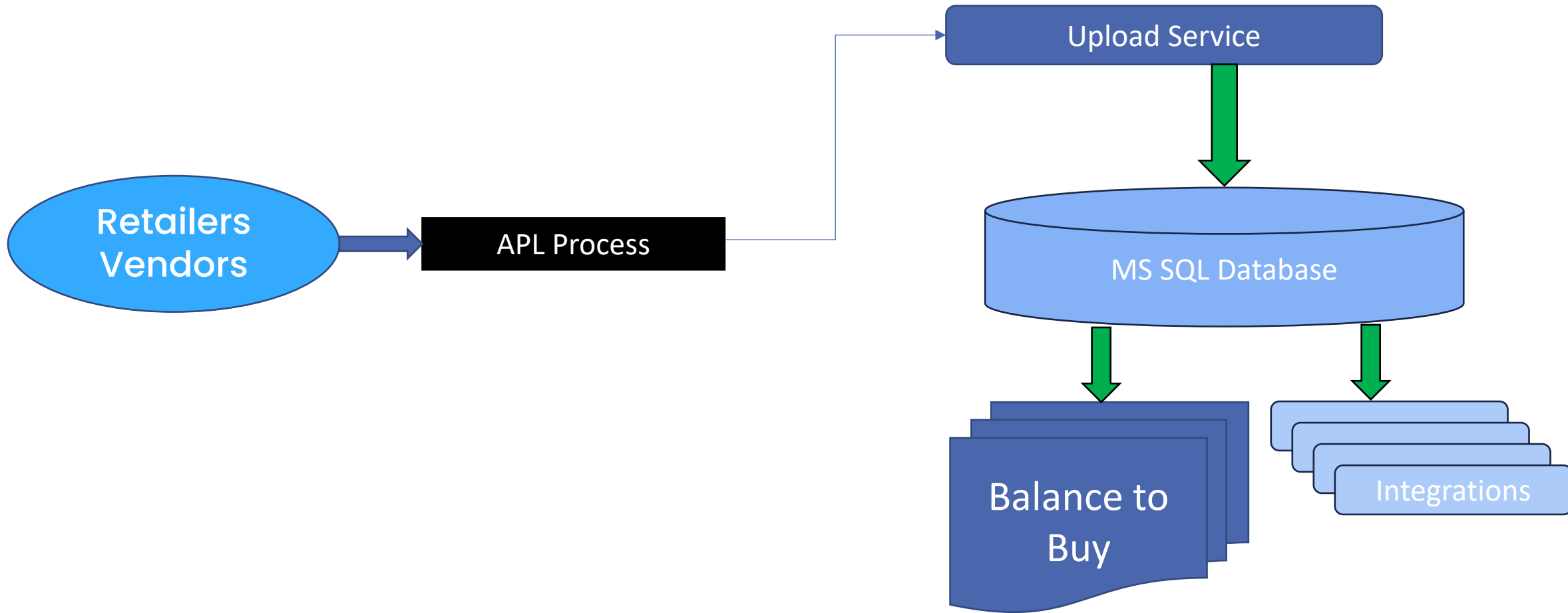
How to get data from retailers?

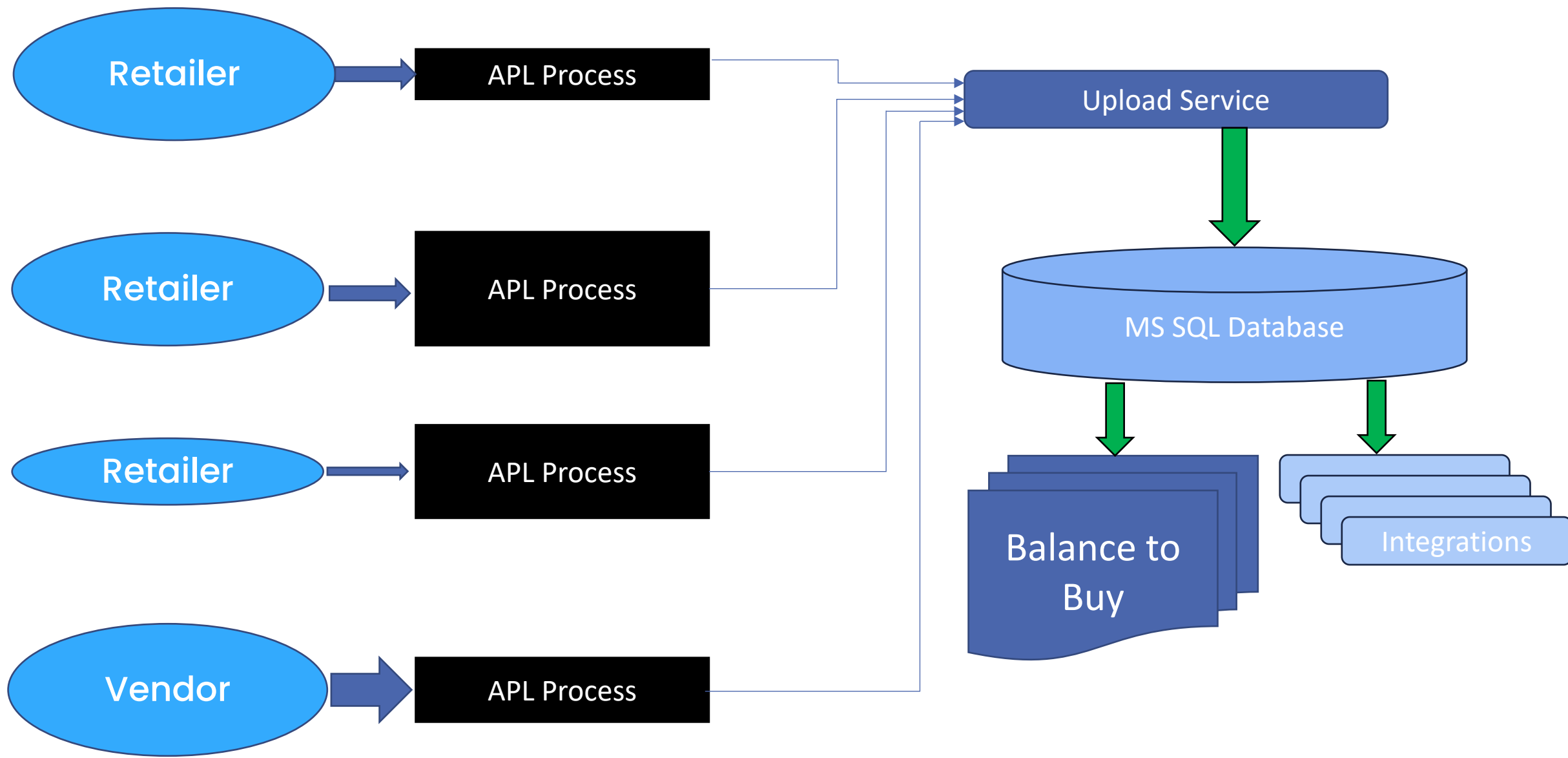
- Retailers with no technical capabilities
 - Direct user upload
 - Emailed reports
 - Monthly data
- Direct POS Integration
 - Daily transmissions
 - With and without cooperation from software companies
 - The Applet – a big ask

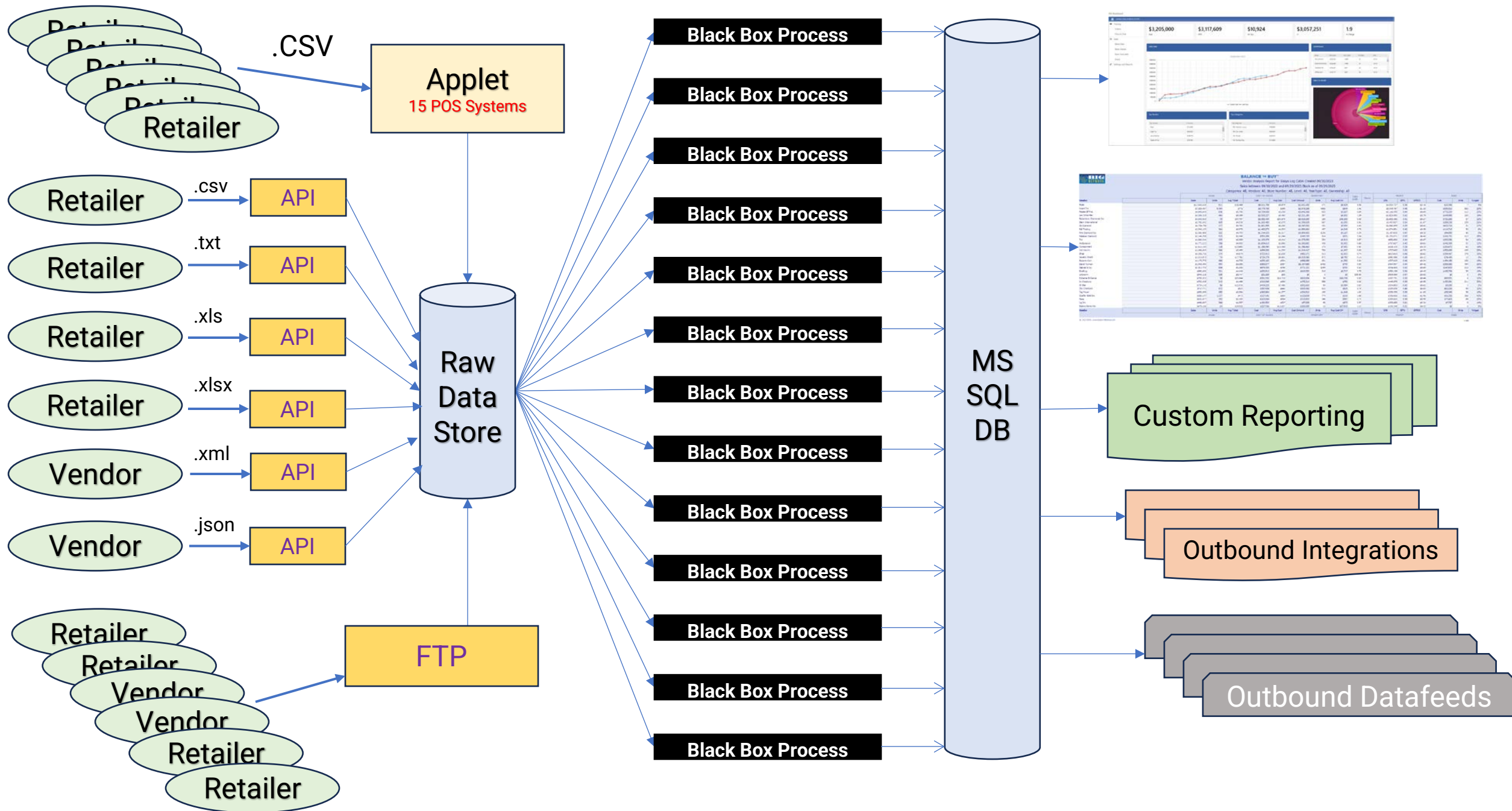
Retailer Data – A HOT MESS

- Integration with dozens of systems
 - Varying number of files even for the same system
 - Different formats
 - Flavors of CSV
 - Text files
 - Excel
 - XML
 - JSON
 - Different content
 - Variations in content between retailers using the same system
 - Variations within a retailer depending on who's entering the data
 - Changes over time









How to create great web pages fast!

- New frontier: UI
 1. Using Javascript/KendoUI and C#
 2. Using Javascript/KendoUI and Jarvis
 3. Using EWC
 1. Standard EWC controls
 2. Integrating KendoUI

Creating web pages:

The OLD way: everything all together in one code block

Report Filters

Bulk Items:
No Bulk Items

☐ Includes On Order Items

☐ Show Stock Number

☒ Show Image

VendorStyle

Price Breaks:
Standard

Min# Sold: 1

Vendor:
All
Ackerman Jewelers
Asher Jewelry Co. Inc
Ashi Diamonds

Transaction Type:
All
Faux Sample
Gifted
Inventory

☐ Show Layaway

Category:
All
100 -Dia Bridal Ring
101 -Sample Ring
110 -Dia Wed Band -I

SubCategory:
All
**_Heart
**_Rose Cut Oval
**_Round

☒ Show rows with \$0 Sales

Store #:
1
2

Level:
All
Alt Metal
Bridal
Color

Ownership:
All
Asset
Memo InStock
Memo Sold

Price Pt:
All
\$0-\$100
\$100-\$200
\$200-\$300

☐ Turn Over In Units

Sales Start Date:
4/6/2024

Sales End Date:
4/5/2025

Stock As Of:
April 6, 2025

Detail Column: Subtotal

Detail 2 Column: Subtotal

Summary

By Period:
None

Apply Filters

Clear

Page 1 of 24

Xlsx

Report Name:

Save



BALANCE TO BUY™

Category Analysis Report for Ackerman Jewelers Created 04/06/2025

Sales between 04/06/2024 and 04/05/2025.Stock as of 04/06/2025

Categories: All, Vendors: All, Store Number: All, TranType: All, Ownership: All

Category	Vendor	SALES			COST OF GOODS		INVENTORY			TURN OVER	Shown	PROFIT			AGED		
		Sales	Units	Avg Ticket	Cost	Avg Cost	Cost Onhand	Units	Avg Cost OH			GP\$	GP%	GMROI	Cost	Units	%Aged
505 -Watches -Gents	Ackerman Jewelers	\$294,820	23	\$12,818	\$232,485	\$10,108	\$355,860	42	\$8,473	0.65		\$62,335	0.21	\$0.18	\$600	9	0%
505 -Watches -Gents	Breitling	\$633,666	68	\$9,319	\$402,679	\$5,922	\$377,703	76	\$4,970	1.07		\$230,987	0.36	\$0.61	\$218,678	44	58%
505 -Watches -Gents	Casio America	\$11,209	67	\$167	\$6,910	\$103	\$5,010	52	\$96	1.38		\$4,299	0.38	\$0.86	\$3,670	39	73%
505 -Watches -Gents	Hamilton	\$36,087	41	\$880	\$21,157	\$516	\$17,461	31	\$563	1.21		\$14,930	0.41	\$0.86	\$2,391	6	14%
505 -Watches -Gents	Jason Of Bevelry Hills Watches	\$5,637	1	\$5,637	\$5,498	\$5,498	\$18,993	3	\$6,331	0.29		\$139	0.02	\$0.01	\$18,993	3	100%
505 -Watches -Gents	Lawrence Botkins	\$277,435	20	\$13,872	\$211,600	\$10,580	\$159,000	17	\$9,353	1.33		\$65,835	0.24	\$0.41	\$45,500	6	29%
505 -Watches -Gents	Longines	\$18,002	12	\$1,500	\$15,895	\$1,325	\$6,893	7	\$985	2.31		\$2,107	0.12	\$0.31	\$6,893	7	100%
505 -Watches -Gents	Quality	\$20	1	\$20	\$9	\$9	\$0	0	\$0	1.00		\$11	0.56	\$0.00	\$0	0	0%
505 -Watches -Gents	Raymond Weil	\$14,275	10	\$1,427	\$7,725	\$772	\$10,783	11	\$980	0.72		\$6,550	0.46	\$0.61	\$10,783	11	100%
505 -Watches -Gents	Seiko Luxe	\$6,356	25	\$254	\$13,207	\$528	\$856	1	\$856	15.43		(\$6,851)	-1.08	-\$8.00	\$856	1	100%
505 -Watches -Gents	Shinola	\$6,551	7	\$936	\$3,588	\$513	\$6,435	13	\$495	0.56		\$2,964	0.45	\$0.46	\$6,138	12	95%
505 -Watches -Gents	Stuller	\$83	2	\$41	\$27	\$13	\$73	4	\$18	0.37		\$56	0.68	\$0.77	\$29	2	40%
505 -Watches -Gents	Tag Heuer	\$126,332	45	\$2,807	\$79,442	\$1,765	\$77,214	39	\$1,980	1.03		\$46,890	0.37	\$0.61	\$28,314	15	37%
505 -Watches -Gents	Tissot	\$38,371	82	\$468	\$23,837	\$291	\$14,213	43	\$331	1.68		\$14,534	0.38	\$1.02	\$2,750	9	19%
505 -Watches -Gents	Tudor	\$2,999	1	\$2,999	\$2,324	\$2,324	\$0	0	\$0	1.00		\$675	0.23	\$0.00	\$0	0	0%
505 -Watches -Gents	Watch Guys	\$90,753	8	\$11,344	\$66,315	\$8,289	\$23,390	2	\$11,695	2.84		\$24,438	0.27	\$1.04	\$0	0	0%
505 -Watches -Gents	Total	\$1,562,596	413	\$3,784	\$1,092,695	\$2,646	\$1,073,882	341	\$3,149	1.02		\$469,901	0.30	\$0.44	\$345,593	164	32%
190 -Dia -Loose	Ackerman Jewelers	\$1,186	0	\$0	(\$520)	\$0	\$127,665	15	\$8,511	0.00		\$1,706	1.44	\$0.01	\$123,065	11	96%
190 -Dia -Loose	Diaexpressions (diacentre)	\$4,300	1	\$4,300	\$2,650	\$2,650	\$6,020	1	\$6,020	0.44		\$1,650	0.38	\$0.27	\$0	0	0%
190 -Dia -Loose	Forevermark Us Inc	\$32,916	10	\$3,292	\$23,400	\$2,340	\$84,073	17	\$4,945	0.28		\$9,515	0.29	\$0.11	\$84,073	17	100%
190 -Dia -Loose	Grandview Klein	\$798,184	60	\$13,303	\$518,980	\$8,650	\$878,174	84	\$10,454	0.59		\$279,205	0.35	\$0.32	\$430,653	23	49%
190 -Dia -Loose	Hearts On Fire	\$134,265	5	\$26,853	\$99,879	\$19,976	\$41,195	6	\$6,866	2.42		\$34,386	0.26	\$0.83	\$30,800	4	75%
190 -Dia -Loose	Mik Diamonds	\$19,990	5	\$3,998	\$10,702	\$2,140	\$15,397	5	\$3,079	0.70		\$9,288	0.46	\$0.60	\$15,397	5	100%
190 -Dia -Loose	Mik Luxury Group/Natalie K	(\$11,066)	0	\$0	(\$7,815)	\$0	\$100,567	11	\$9,142	-0.08		(\$3,251)	0.29	-\$0.03	\$100,567	11	100%
190 -Dia -Loose	Stuller	\$35,220	3	\$11,740	\$26,474	\$8,825	\$0	0	\$0	3.00		\$8,746	0.25	\$0.00	\$0	0	0%
190 -Dia -Loose	Total	\$1,014,995	84	\$12,083	\$673,750	\$8,021	\$1,253,091	139	\$9,015	0.54		\$341,245	0.34	\$0.27	\$784,555	71	63%
110 -Dia Wed Band -Lds	Ackerman Jewelers	(\$7,329)	1	(\$7,329)	(\$2,423)	\$16,349	\$16,349	16	\$1,022	-0.15		(\$4,906)	0.67	-\$0.30	\$8,619	9	53%
110 -Dia Wed Band -Lds	Ashi Diamonds	\$66,705	50	\$1,334	\$32,852	\$657	\$39,332	65	\$605	0.84		\$33,852	0.51	\$0.86	\$24,402	43	62%
110 -Dia Wed Band -Lds	Cherie Dori	\$0	0	\$0	\$0	\$0	\$325	1	\$325	0.00		\$0	0.00	\$0.00	\$325	1	100%
110 -Dia Wed Band -Lds	Devotion Diamonds	\$0	0	\$0	\$0	\$0	\$2,985	2	\$1,493	0.00		\$0	0.00	\$0.00	\$2,985	2	100%

Creating web pages better:






















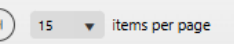
The NEW way: Javascript front end
C# backend endpoints

User Id: 1629
Company Name: Sissy's Log Cabin

Partner Permissions

Notification Recipients

View Information

Vendor:	Network Partner:	Status:	Activated at:	Last Updated Date:	Updated By:	Admin Status Control:	Admin Notes:	Admin Audit Trail:
A. Jaffe		Active 	06/03/2021 14:56:47 PM	06/03/2021 14:56:47 PM	Sissy's Log Cabin	<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Ashi Diamonds		Active 	06/03/2021 14:56:53 PM	06/03/2021 14:56:53 PM	Sissy's Log Cabin	<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Bulova						<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Citizen Watch America						<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Classique Creations Llc						<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Coast Diamonds						<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
DAVID WEISZ						<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
David Yurman		Active 	02/13/2020 07:01:48 AM	02/13/2020 07:01:48 AM	BTB Admin	<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Facets of Fire		Active 	02/29/2024 12:56:33 PM	02/29/2024 12:56:33 PM	BTB Admin	<div>Manage</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Fana		Active 	11/05/2018 18:13:46 PM	11/05/2018 18:13:46 PM		<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Frederic Sage						<div>Manage</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Frederick Goldman Inc.					BTB Admin	<div>Manage</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
G.N. Diamonds		Active 	05/31/2023 13:34:57 PM	05/31/2023 13:34:57 PM	BTB Admin	<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
Gabriel & Co.		Active 	11/05/2018 18:13:46 PM	11/05/2018 18:13:46 PM		<div>Set Status</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>
House of Baguettes						<div>Manage</div>	<div>Show Notes</div>	<div>Show Audit Trail</div>

How to create great web pages fast!

Even Better: Javascript front end
 Jarvis APL backend endpoints

\$466,222

Goal

\$18,687

Per Day

\$73,785

MTD Sales

20 %

MTD New

\$470

MTD Avg Ticket

157

MTD Tickets

214

MTD Total SKUs

1.4

MTD Addons

\$55,121

LMTD Sales

21 %

LMTD New

\$619

LMTD Avg Ticket

89

LMTD Tickets

110

LMTD Total SKUs

1.2

LMTD Addons

33.9

% Change Sales

-6.7

% Change New

-24.1

% Change Average

76.4

% Change Tickets

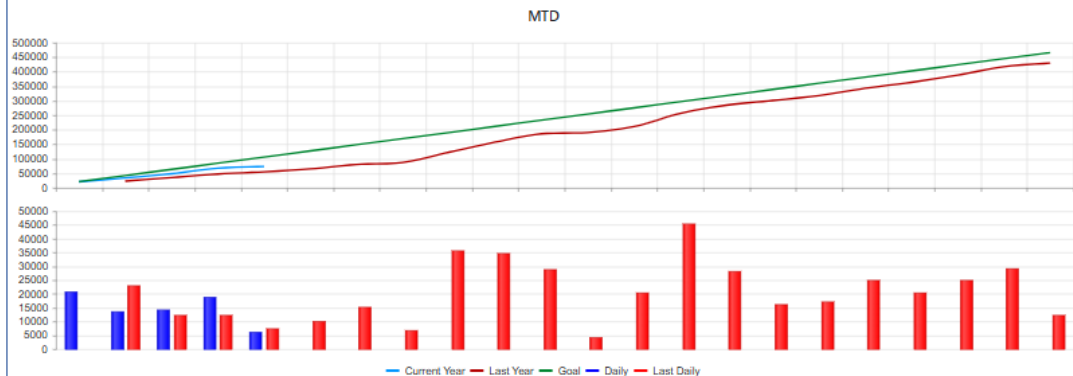
94.5

% Change SKUs

16.7

% Change Addons

Daily Sales



Leaderboard

Export to Excel

Name:	Total Sales:	Avg Ticket:	# Tickets:	Gp%:	% New:
Hammett,Jimmy	\$28,651	\$779	39	45	23 %
Dye,Katie	\$13,740	\$721	20	67	25 %
Schwendemann,Brianna	\$9,590	\$341	30	75	13 %
Hampton,Kim	\$8,009	\$471	18	83	17 %
Lunsford,Brandon	\$6,803	\$379	18	54	11 %
Molinar,Susan	\$3,068	\$263	13	57	54 %
Mason,Abby	\$1,129	\$241	5	-237	0 %
Discount,Employee	\$758	\$253	3	25	0 %
Mares,Kindell	\$533	\$237	3	-1618	33 %
Barton,Alex	\$458	\$106	5	58	20 %

10 items per page 1 2 10 of 17 items

Top Vendors

Export to Excel

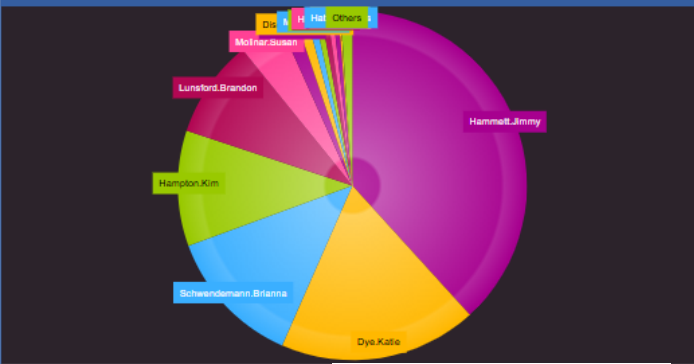
Vendors:	\$ Amount:
Repairs	\$13,214
Nehoa Holdings Llc	\$11,700
Malakan Dia Custom	\$8,525
Imperial Deltah Inc	\$6,300
Quality Gold	\$5,602
Gabriel & Co.	\$5,170
Gemsone Corporation	\$5,050
Surreal Diamonds Llc	\$3,659
Leslies	\$2,937
Gabriel Custom	\$2,565

Top Categories

Export to Excel

Categories:	\$ Amount:
Repairs	\$12,664
525 -Watches	\$11,700
430 -Gold Chains	\$7,752
330 -Pearl Brac	\$6,150
192 -Dia -Lab Created	\$5,159
291 -Lab Created Dia Lds Ring	\$3,450
205 -Col/Ring	\$3,270
140 -Dia Semi-Mt Ring	\$3,200
420 -Gold Setting	\$2,565
120 -Dia Anniv/Wed Ring	\$2,550

Sales For Month



BIG



Training

Videos

One on One

Data

Store View

Team Viewer

Store:

1

Period:

MTD

Filter

Sales Associate

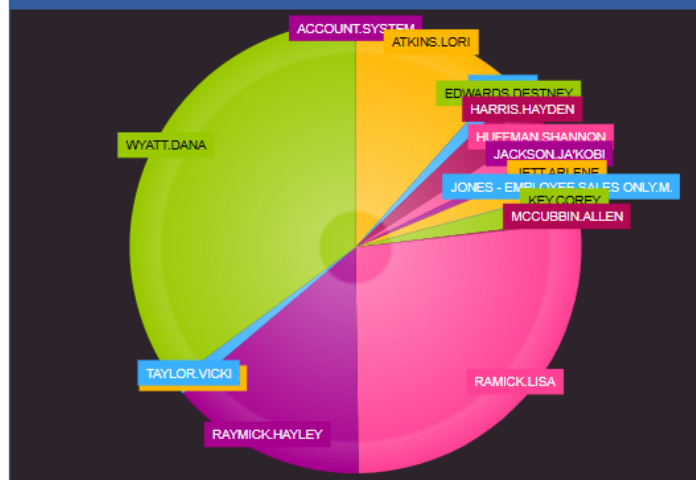
Goals

Settings and Reports

Sales Associate Assignment

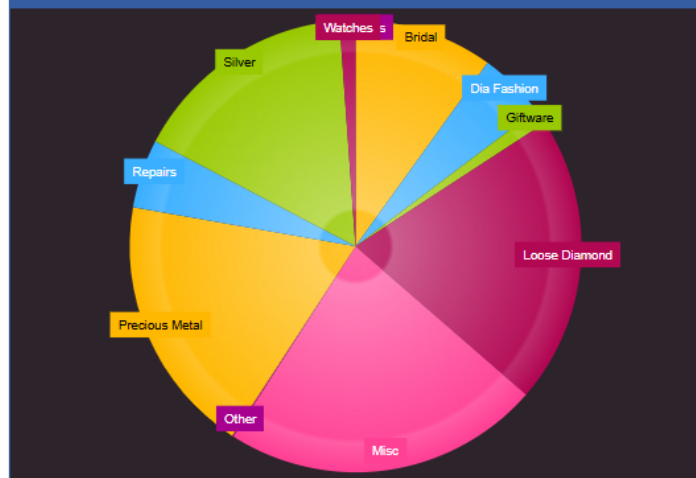
Associate

Pie / Bar



Level

Pie / Bar



Grid View

Export to Excel

Associate	Misc	LooseDiamond	PreciousMetal	Silver	Bridal	Repairs	DiaFashion	Watches	Giftware
WYATT.DANA	(\$200) ↓	\$9,778 ↓	\$0 ↓	\$1,625 ↓	\$4,717 ↑	\$771 ↑	\$0 —	\$0 ↓	\$0 —
RAMICK.LISA	\$0 —	\$0 ↓	\$8,595 ↑	\$2,099 ↑	\$0 —	\$928 ↑	\$455 ↑	\$540 ↑	\$0 —
RAYMICK.HAYLEY	\$4,472 ↑	\$0 —	\$0 —	\$1,750 ↑	\$0 —	\$0 —	\$0 —	\$0 —	\$458 ↑
ATKINS.LORI	\$5,501 ↑	\$0 ↓	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
HARRIS.HAYDEN	(\$50) ↓	\$0 —	\$0 —	\$900 ↑	\$0 —	\$190 ↑	\$455 ↑	\$0 —	\$0 —
KEY.COREY	\$85 —	\$0 —	\$229 —	\$0 —	\$0 —	\$261 ↑	\$455 ↑	\$0 —	\$0 —
JETT.ARLNE	(\$100) ↓	\$0 ↓	\$0 ↓	\$475 ↓	\$0 ↓	\$183 ↑	\$455 ↑	\$0 ↓	\$0 ↓
HUFFMAN.SHANNON	\$876 —	\$0 ↓	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
COX.KIM	\$577 —	\$0 ↓	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
TAYLOR.VICKI	\$0 —	\$0 —	\$0 —	\$495 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
JACKSON.JA'KOB	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$455 ↑	\$0 —	\$0 —
MCCUBBIN.ALLEN	\$75 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
ACCOUNT.SYSTEM	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$1
EDWARDS.DESTNEY	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
SUAREZ.MARK	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —	\$0 —
JONES - EMPLOYEE SALES ONLY.M.	(\$455) ↓	\$0 ↓	\$0 —	\$341 ↓	\$0 —	\$0 —	\$0 —	\$0 —	\$53 —

- Training

Videos

One on One

Data

Store View

Team Viewer

Sales Associate

Goals

Settings and Reports

Sales Associate Assignment



Title		
Category: Bands		
Academy View Bands 1	View	View Popup
Academy View Bands 2	View	View Popup
Academy View Bands 3	View	View Popup
Category: Bracelets		
Academy View Bracelets	View	View Popup
Category: Bridal		
View Dashboard Bridal	View	View Popup
Category: Color		
View Dashboard Color	View	View Popup
Category: Custom		
View Dashboard Custom	View	View Popup
Category: Diamond Fashion		
View Dashboard Diamond Fashion	View	View Popup
Academy View Diamond Fashion 1	View	View Popup
Academy View Diamond Fashion 2	View	View Popup
Academy View Diamond Fashion 3	View	View Popup
Academy View Diamond Fashion 4	View	View Popup
Acadmy View Diamond Fashion 5	View	View Popup
Category: Earring		
Academy View Earring 1	View	View Popup
Category: Estate		

- Training
- Videos
- One on One Associate:

THOMPSON.TAY... ▾
- Data
- Store View
- Team Viewer
- Sales Associate
- Goals
- Settings and Reports
- Sales Associate Assignment

Today's Date: 2025/4/6

Title:

0 / 5000

Enter notes...

Submit

Previous Logs

Date Added:	Title:	
2024-06-26	Coaching	<div>ViewDelete</div>
2024-07-12	DOCUMENTED WRITE UP	<div>ViewDelete</div>

Store Goals

Year:

Store:	January:	February:	March:	April:	May:	June:	July:	August:	September:	October:	November:	December:
1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Sales Associate Goals

Year:

Include	Sales Associate:	January:	February:	March:	April:	May:	June:	July:	August:	September:	October:	November:	December:
<input checked="" type="checkbox"/>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ACCOUNT.SYS...	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ACUFF.JACKSON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ADAMS.AMBER	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ADAMS.KIM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ADAMS.LAURA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ALLEN.ELEANOR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ANDERS.BRAD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ANNIS.GEOFF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	ARMSTRONG.J...	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ALL

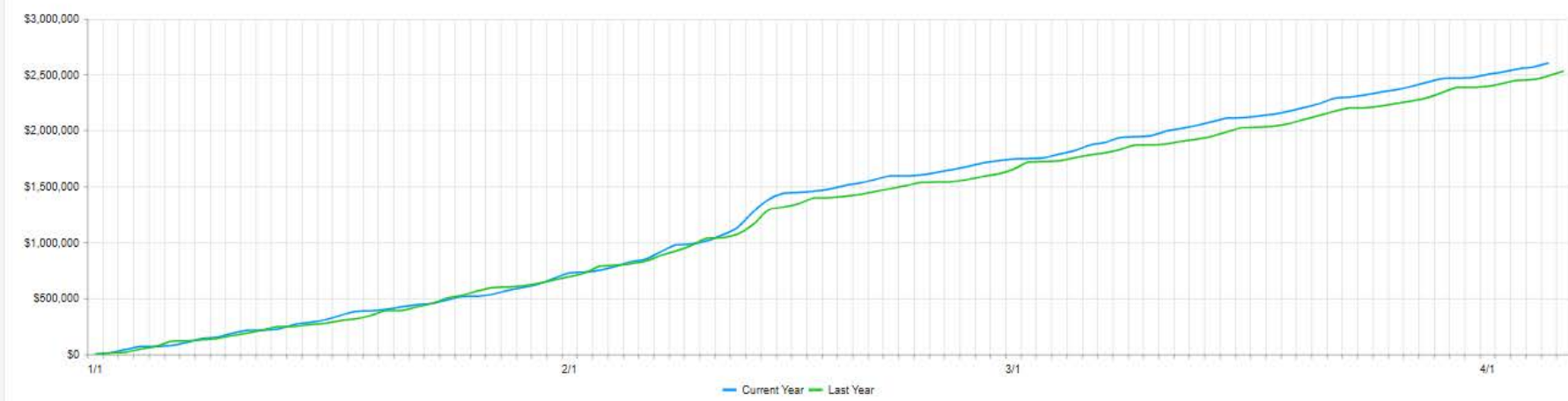
Use Custom Date: ☐

As of Date: 4/6/2025

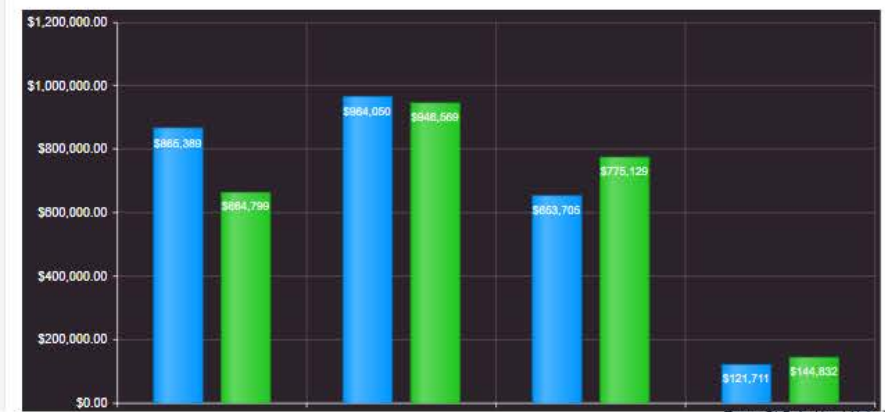
Apply

Style Grid

Sales



Sales By Month



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OH By Month

Get All Months



Vendor Dashboard

Retailer View

Style Grid

Retailer:

ALL

Category:

SubCategory:

Level:

Ownership:

ALL

Sort:

Sold \$

15

Descending

Transaction Type:

Remove Cost:☐

Remove MSRP:☐

Use Custom Date:☐

Period:


MTD

As of Date:

4/6/2025


Apply

SKU Number: SC55024982V3D1.40Rank: 1/5082




SOLD U:	1
SOLD \$:	\$4,702
AVG DTS:	159
OH U:	3
TURN:	0.34
Avg DOH:	156
MSRP:	9400

SKU Number: SC22009370ZSRank: 2/5082




SOLD U:	3
SOLD \$:	\$4,004
AVG DTS:	434
OH U:	47
TURN:	0.06
Avg DOH:	208
MSRP:	3440

SKU Number: SC55019849Rank: 3/5082




SOLD U:	1
SOLD \$:	\$3,400
AVG DTS:	248
OH U:	3
TURN:	0.34
Avg DOH:	556
MSRP:	6800

SKU Number: SC55023406V2Rank: 4/5082




SOLD U:	1
SOLD \$:	\$2,495
AVG DTS:	350
OH U:	3
TURN:	0.33
Avg DOH:	172
MSRP:	4990

SKU Number: SC55011916Rank: 5/5082




SOLD U:	1
SOLD \$:	\$2,450
AVG DTS:	0
OH U:	14
TURN:	0.08
Avg DOH:	302
MSRP:	5395

SKU Number: SC55021382V2Rank: 6/5082




SOLD U:	1
SOLD \$:	\$2,361
AVG DTS:	86
OH U:	9
TURN:	0.1
Avg DOH:	305
MSRP:	5490

SKU Number: SC22009370V2ZXSRank: 7/5082




SOLD U:	1
SOLD \$:	\$2,115
AVG DTS:	6
OH U:	0
TURN:	0
Avg DOH:	0
MSRP:	4653

SKU Number: SC55027642Rank: 8/5082




SOLD U:	1
SOLD \$:	\$1,971
AVG DTS:	162
OH U:	0
TURN:	0
Avg DOH:	0
MSRP:	4380

SKU Number: SC55023485V2Rank: 9/5082




SOLD U:	3
SOLD \$:	\$1,922
AVG DTS:	168
OH U:	13
TURN:	0.21
Avg DOH:	262
MSRP:	1495

SKU Number: SC55026375Rank: 10/5082




SOLD U:	1
SOLD \$:	\$1,748
AVG DTS:	168
OH U:	1
TURN:	1
Avg DOH:	33
MSRP:	3495

SKU Number: SC55025699RDZSRank: 11/5082




SOLD U:	1
SOLD \$:	\$1,485
AVG DTS:	9
OH U:	7
TURN:	0.06
Avg DOH:	100
MSRP:	2990

SKU Number: SC55004067ZMRank: 12/5082




SOLD U:	1
SOLD \$:	\$1,430
AVG DTS:	48
OH U:	7
TURN:	0.06
Avg DOH:	100
MSRP:	2990

SKU Number: SC55002949Rank: 13/5082




SOLD U:	1
SOLD \$:	\$1,346
AVG DTS:	44
OH U:	33
TURN:	0.06
Avg DOH:	100
MSRP:	2990

SKU Number: SC55009638Rank: 14/5082



SOLD U:	6
SOLD \$:	\$1,303
AVG DTS:	142
OH U:	100
TURN:	0.06
Avg DOH:	100
MSRP:	2990

SKU Number: SC22004026Rank: 15/5082



SOLD U:	8
SOLD \$:	\$1,287
AVG DTS:	115
OH U:	180
TURN:	0.06
Avg DOH:	100
MSRP:	2990

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BIG

How to create great web pages fast!

Another new way: EWC

▼

EWC

×

+

←

→

↻

🏠

localhost:54321/?Admin

AI

🗑️

BIG B2B

Jira

Mark's Dash

BitBucket

Pluralsight

BIG Local

Google

Bluesky

Agent Login

History of English

📁

HOME

Clientbook Users NoShow

Rename User Account

Old User Account:

New User Account:

Rename

▼

EWC

×

+

←

→

↻

🏠

localhost:54321/?Admin

AI

🗄

BIG B2B

Jira

Mark's Dash

BitBucket

Pluralsight

BIG Local

Google

Bluesky

Agent Login

History of English

HOME

Clientbook Users NoShow

Add Clientbook Retailer

BTBID:

Clientbook Foldername:

ADD

```
[0] AddCBRetailer;ButtCSS
[1] # Page for removing CB Retailer
[2] MakeMain
[3] 'Top.Admin.Main.Heading'eWC'Label' 'Add Clientbook Retailer'('posn' 50 250)('size' 60 300)('FontObj' 'Top.Admin.FNT')
[4] 'Top.Admin.Main.LID'eWC'Label' 'BTBID: '(150 100)('FontObj' 'Top.Admin.FNT')
[5] 'Top.Admin.Main.LFN'eWC'Label' 'Clientbook Foldername: '(193 100)('FontObj' 'Top.Admin.FNT')
[6] 'Top.Admin.Main.BID'eWC'Edit' ' '(147 400)(35 55)('FieldType' 'Numeric')('FontObj' 'Top.Admin.FNT')('CSS'BoxCSS)('Event' 'KeyPress' 'CBKeyPress')
[7] 'Top.Admin.Main.BFN'eWC'Edit' ' '(190 400)(35 225)('FieldType' 'Char')('FontObj' 'Top.Admin.FNT')('CSS'Box2CSS)('Event' 'KeyPress' 'CBKeyPress')
[8] ButtCSS+'color: #fff;background-color: #0d6efd;border-color: #0d6efd'
[9] 'Top.Admin.Main.BADD'eWC'Button' 'ADD'(245 280)(28 120)('Event' 'Select' 'CBAddCBRetailer')('CSS'ButtCSS)
[10] 'Top.Admin.Main.FNTL'eWC'Font' 'Segoe UI'('Size' 18)
[11] 'Top.Admin.Main.Lerror'eWC'Label' 'Error'('posn' 350 220)('size' 60 300)('FCol' 255 0 0)('FontObj' 'Top.Admin.Main.FNTL')('Visible' 0)
```

[Export to Excel](#)

◀ 1 2 3 ▶ 10 items per page

```

[0] NoShowGrid;inputs;cc;e;fmts;ticker;fixed;value;price;quantity;comments;titles;g;values;widths;inputix;types;fmtix;ws;fcols;bcols;fcolix;bcolix;fontix;fontsd;head;headers;cols
[1] |Top.Admin.Main'eWC'SubForm' 'KendoGrids'(0 0)(850 1800)('Coord' 'Pixel')
[2] head+,1fd+ReadCXML(path,'BTBDataFiles\NoShow.xlsx')
[3] cols+head,[1.1]head ♦ cols+cols,c='500' ♦ cols+cols,('numeric' 'string' 'boolean' 'date' 'Link' 'Button')[ 'nsbdlu' 't' 'nssssssbdddbs']
[4] cols+'title' 'field' 'width' 'columnType';cols
[5] d+d[;(1+pd)~d[1;]t'ReRun' 'Date Last Sale' 'Date Last Uploaded']
[6] values+=cJSON cJSON c=2 d
[7] opts+=NS''
[8] opts.excelExport+1
[9] A opts.columns+=NS'[]JSON []JSON c=2 cols
[10] opts+=NS''
[11] opts.excelExport+1 A 0 => off , 1 => on
[12] opts.pageable+=NS''
[13] opts.pageable.pageSize+10
[14] A columns
[15] c+=NS''
[16] c.(title field sortable filterable width)+'UserId:' 'UserId' 1 0 '90'
[17] c.(title field sortable filterable width)+'Company Name:' 'Company Name' 1 1 '200'
[18] c.(title field width)+'Company Short Name:' 'Company Short Name' '150'
[19] c.(title field width)+'POS:' 'POS' '100'
[20] c.(title field width)+'App Version:' 'App Version' '110'
[21] c.(title field width)+'Daily Schedule:' 'Daily Schedule' '130'
[22] c.(title field width)+'Applet Errors:' 'Applet Errors' '450'
[23] c.(title field width sortable)+'BIG:' 'BIG' '55' 1
[24] c.(title field width)+'POP:' 'POP' '60'
[25] c.(title field width)+'CB:' 'Clientbook' '55'
[26] c.(title field width)+'JSA:' 'JSA' '55'
[27] c.(title field width)+'LJG:' 'LJG' '55'
[28] c.(title field width)+'City/State:' 'Retailer City/State' '150'
[29] c.(title field width)+'Sharing With:' 'Sharing with' '300'
[30] c.(title columnType text eventName width)+'Button' 'Button' 'ReRun' 'CBRunMySample' '100'
[31] c.(title columnType text eventName width)+'Link' 'Link' 'ReRun' 'CBRunMySample' '100'
[32] A
[33] 'Top.Admin.Main.Grid'eWC'KendoGrid'values(50 10)(550 780)('Coord' 'Pixel')('Options'opts)('Event' 'CBRunMySample' 'CBRunMySample')

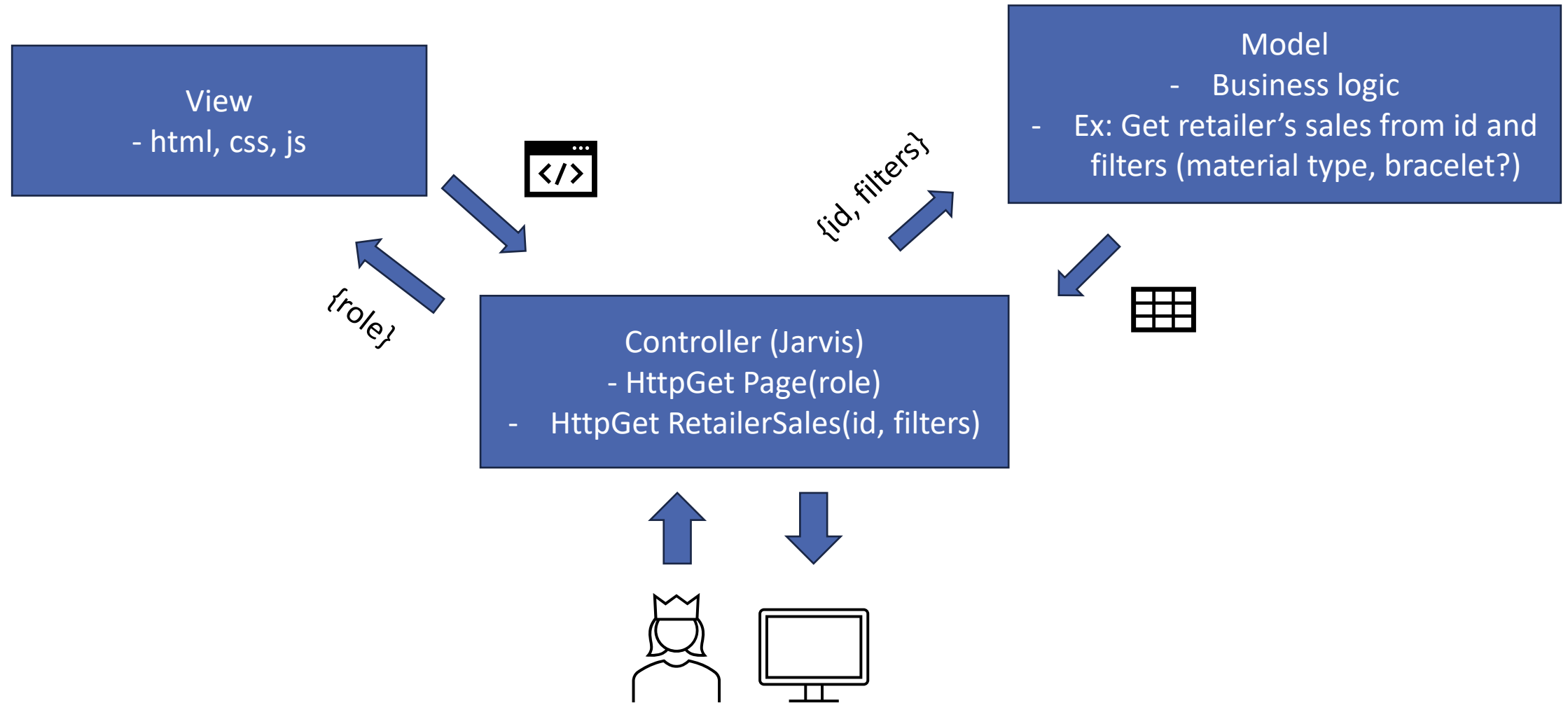
```

```

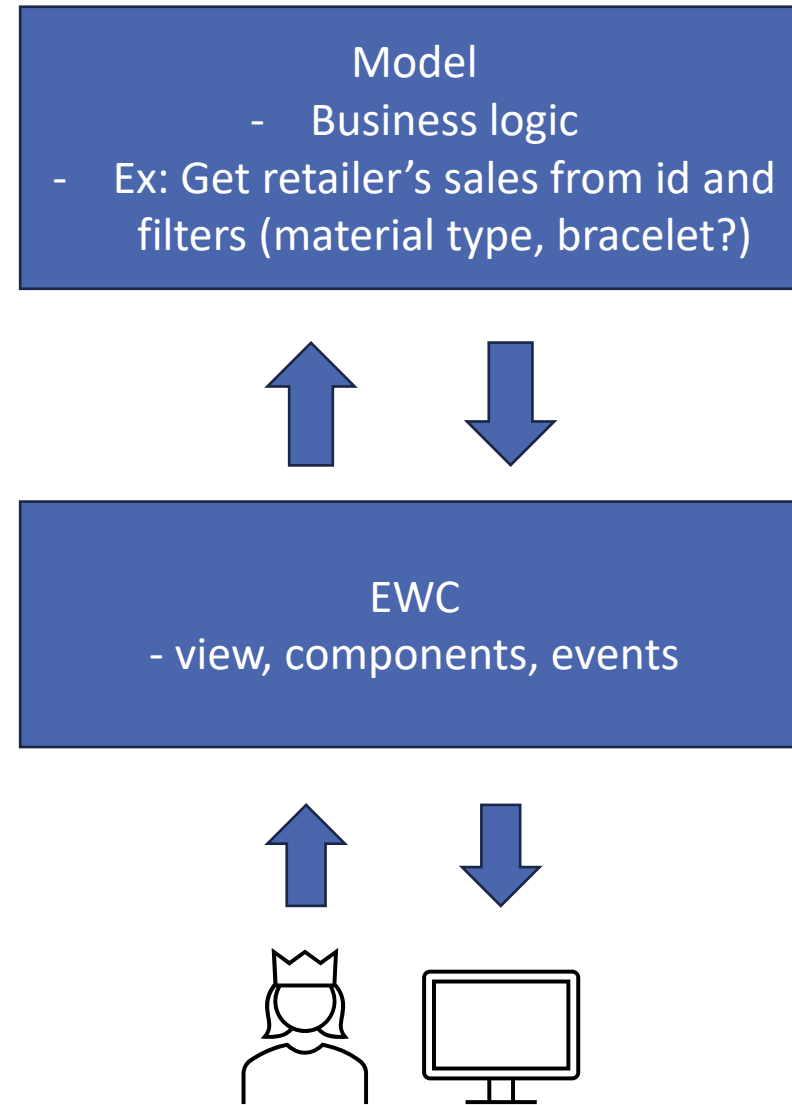
♦ opts.columns+=NS'c.title' 'c.field' 'c.sortable' 'c.filterable' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.sortable' 'c.filterable' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width' 'c.sortable'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.field' 'c.width'
♦ opts.columns+=NS'c.title' 'c.columnType' 'c.text' 'c.eventName' 'c.width'
♦ opts.columns+=NS'c.title' 'c.columnType' 'c.text' 'c.eventName' 'c.width'

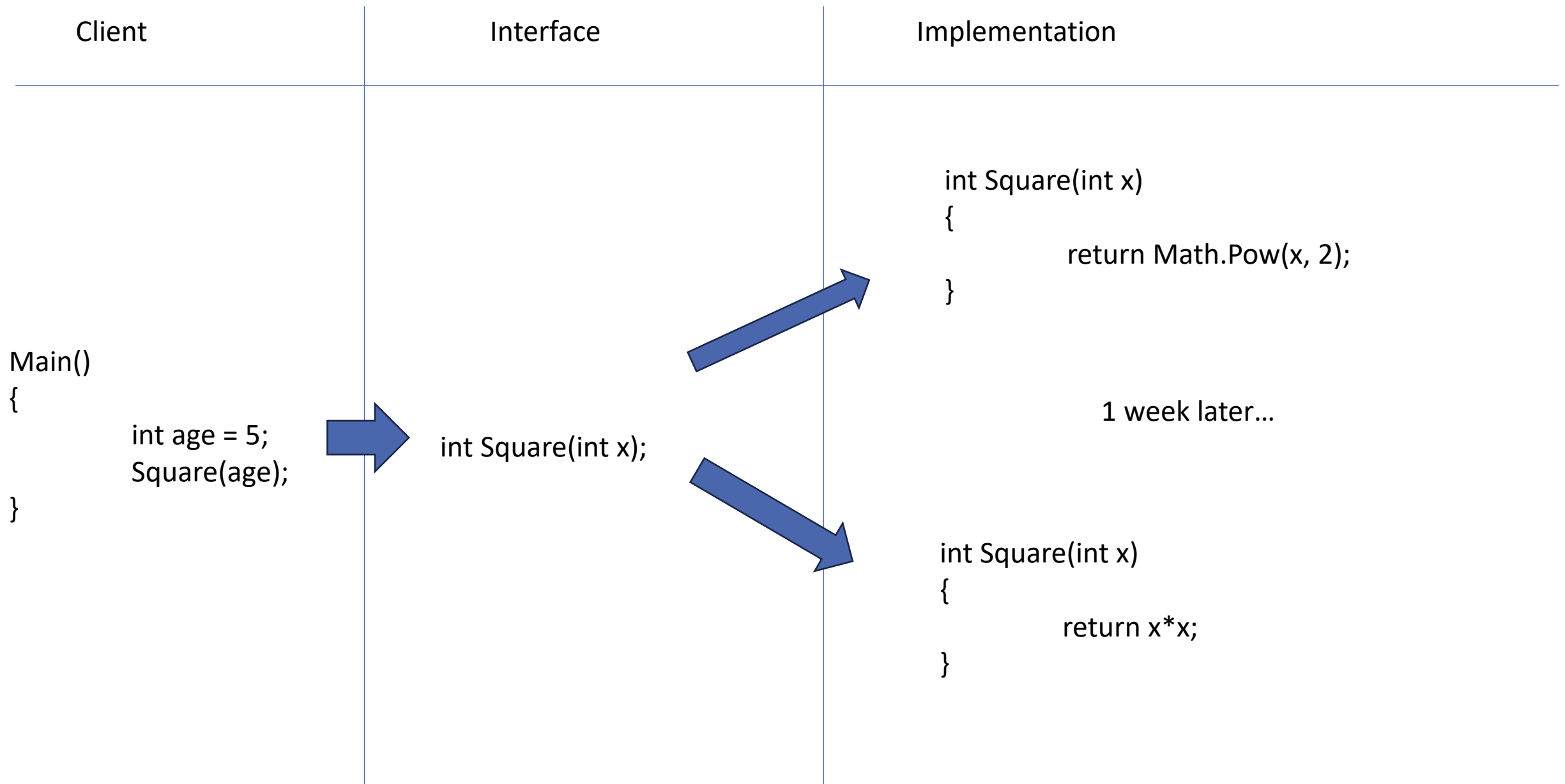
```

Way 1: Jarvis Endpoints , MVC Pattern



Way 2: EWC





Client

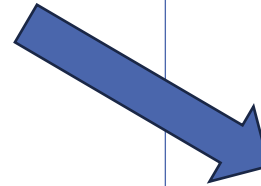
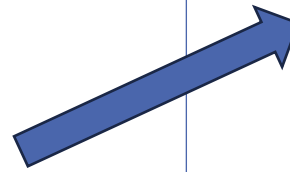
Interface

Implementation

'F1.Grid' eWC 'Grid'
'Options' options



o ← □ ns "
o.c.(title field width) ← ...
o.c.(title field), ← ...
...



```
const KendoGrid = ({ options }) => {  
  const { columns } = options; // => []  
  return <Grid>  
    {columns.map(c => {  
      return <GridColumn  
        title={c.title}  
        field={c.field}  
        width={c.width} />  
      </GridColumn>;  
    }  
  }  
  </Grid>;  
};
```

r ← Grid options
h ← '<table></table>'

New Production Environment

- Windows Service
- Code in text files
- Full Source Control
- Global file handling
- Global error handling

Thank you!

DYNA '25 – 04/07/2025

Mark I.Wolfson / Dexter Maldonado

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