#### MICHIGAN STATE UNIVERSITY

### Project Plan Presentation Electronic Data Interchange (EDI) Monitoring

#### The Capstone Experience

#### Team Stryker

Ravi Grewal Nathan Kowalski Ben Gibbons Tyson Lance Charles Talaga

Department of Computer Science and Engineering Michigan State University Fall 2023

From Students... ...to Professionals

### **Project Sponsor Overview**

- Stryker Corporation is a Fortune 500 medical technology company with specialties in orthopedics, neurotechnology, and surgical equipment
- Based in Kalamazoo, Michigan, Stryker was founded in 1941 by Dr. Homer Stryker
- Stryker has a history of rapid expansion and acquisitions



### **Project Functional Specifications**

- Unify Dashboard Display of Data Across
   Various Middleware Solutions
- Add Analytical Features for Close Scrutiny of Transactional Metrics
- Enable Scheduled and Customizable Reporting
- To Provide Stakeholders with a Consolidated System for Enhanced Decision-Making

## **Project Design Specifications**

- Search page: allows users to execute filtered searches on EDI transaction data with results displayed in tabular format
  - Users can view payload and error trace files for individual transactions as pop-ups
- Report Page: displays default and custom graphical visualizations of transaction data
- Alerts Page: users can create and schedule custom email alerts
- Admin Page: allows admins to customize search, table, and report options

## Screen Mockup: Search Page

	Элан на																
	• 0 0	·													4	0	
str	ryker	11219 Tracking	a Taol S	ear	ch	Repo	orts	Ale	erts	Admin						JG	
Sear	ch:	Search Payload Search											Searc	ħ			
Message Type:			B From Date:		Date:	9/14/202	3 00:00:0	00	Sender:	Select Sen	der	8				dd Sort Field	
		To Date:		ate: [	9/14/2023 23:59:59 Receiver: -			Select Receiver 🗷					on other to point	preference			
Compo	site Name 🗵	is			Blue			And	OrX								
Event Type SourceTech ID Composite Name			t contain					11.000		0							
SUID		compreater 1			- Date Tes			Marriage .		· · bender tåret for	And in case of the local division of the loc		All Barden	Trease Burdley			
flow ID			than or equ	al to	N/14/25122			N/A.	8	5	1	4	1234	246R10 247994	Take	Encont	
DateTim	1e	less that		10	W15(38121			4/8		1		0.	2004	140402	Date	Enjoid	
Status			n or equal t	0	1/16/13 110			nja.		4	1	3	2819	363878	22,854	England	
Error Me		ts equal			9/17/17 12/			4,6			1	4	3088	407906	Dunce	Emiliad	
DVM Reponse		is not eq	rual to		1/18/23 121	E AM 5		10.10	54			2				and the second	
				and the second se									1218	154474	Date	Ender	
Sender	Identifier	But .	1.1.1	1	0/16/23 12 1			4/8		1		1	1224	248812	22,868	Encient	
Sender I PO Num	ber		1	1	HUNDER 131	III AM I			1	1 11 11				and the second sec	Tania Tania	Encland	
Sender PO Num SO Num	iber	Bas Sed Brees Dur	1 1 9 5	8	8/10/28 111 8/10/28 111 8/11/28 121	ILANA I ILANA I ILANA I		ng)ia. ng)ia. ng)ia. ng)ia.	1 1 2	13 13 14	8	8 4	1254 4713 1018 1817	240812 142468 206798 367422	22,868	Encland Encland Encland	
Sender I PO Num SO Num SSN Nu	iber iber mber	Bar Sed Street Dat Back	1 1 5 2 54	8 1 13	+10/15 11 +/11/15 11 9/11/15 12 9/12/15 12	11 AND 1 11 AND 2 12 AND 2 12 AND 2 12 AND 2		N/A N/A N/A N/S	1 1 1 1 1 1 9	8 13 14 14 13		8 4 3 1 8	1225 6717 1008 1817 8188	240812 NG408 200768 S67422 858744	linis linis linis linis linis	Exclusion Exclusion Exclusion Exclusion	
Sender I PO Num SO Num SSN Nu	iber	Bar feel Store Fack feelaw	2 9 9 2 14 7	8 1 13 1	8/10/15/17 9/17/15/17 9/17/15/12 9/17/15/12 9/17/15/12	11 AUF 1 11 AUF 2 12 AUF 2 12 AUF 2 12 AUF 2 12 AUF 2 12 AUF 2		N/B N/A N/A N/S N/B	8 8 9 9 1	8 13 8 6 14 11		4 8 1 8 1	1224 6713 1018 1817 8188 6173	240912 NG406 200798 907422 808788 654742	Inne Inne Inne Inne Inne Inne Inne Inne	Encland Encland Encland Encland Encland Encland	
Sender I PO Num SO Num SSN Nu	iber iber mber Number	Bas fed Sinen Due Fach Holizo Fris	1 9 9 2 56 7	8 1 15 1 4	8/10/15 12/ 8/11/15 12/ 8/11/15 12/ 8/15/15 12/ 8/15/15 12/ 8/15/15 12/	11 AUA 1 11 AUA 2 12 AUA 2 12 AUA 2 12 AUA 2 12 AUA 2 12 AUA 1 12 AUA 1 12 AUA 1 12 AUA 1 12 AUA 1 13 AUA 1 14 AUA 1 15 AUA 1 15 AUA 1 16 AUA 1 17 AUA 1 17 AUA 1 18 AUA 1 19 AUA 1 19 AUA 1 19 AUA 1 19 AUA 1 10 AUA		14/8 14/4 14/4 14/4 14/8 14/8 14/8	8 8 2 9 1 2	1 11 4 4 11 11	1	8 1 1 1 1 1 1 1 2	1224 6713 1008 2837 8080 6273 7236	240912 142408 125598 567422 850744 154742 647912	22848 22848 22848 22848 22848 22848 22848 22848 22848	Bacani fraiant fraiant fraiant fraiant fraiant	
Sender PO Num SO Num NSN Nu nvoice 1	iber iber mber	Bar feel Store Fack feelaw	2 9 9 2 14 7	8 1 13 1	8/10/15/17 9/17/15/17 9/17/15/12 9/17/15/12 9/17/15/12	11 AUA 1 11 AUA 2 12 AUA 2 12 AUA 2 12 AUA 2 13 AUA 1 14 AUA		N/B N/A N/A N/S N/B	8 8 9 9 1	8 13 8 6 14 11		4 8 1 8 1	1224 6713 1018 1817 8188 6173	240912 NG406 200798 907422 808788 654742	2000 2000 2000 2000 2000 2000 2000 200	Exclant frailant frailant frailant Frailant frailant	
Sender PO Num IO Num ISN Nu INVOICE I	iber iber mber Number Konst Konst Konst	Bar Ind Even Even For For Notes For	1 9 9 2 14 7 12 0 8 12 12 12	8 13 13 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1	6/39/25 22 9/22/28 22 9/22/28 22 9/24/28 22 9/24/28 22 9/26/28 22 9/26/28 22 9/26/28 22 9/26/28 22 9/26/28 22	11 ANA 1 11 ANA 2 12 ANA 2 12 ANA 2 12 ANA 2 12 ANA 1 11 ANA 1 11 ANA 1 11 ANA 1 12 ANA 1 12 ANA 1 12 ANA 1 12 ANA 1 12 ANA 1 12 ANA 1 13 ANA 1 14 ANA 1 14 ANA 1 15 ANA 1 16 ANA 1 17 ANA 1 17 ANA 1 18 ANA 1 19 ANA 1 10 ANA		N/A N/A N/A N/A N/A N/A N/A N/A N/A		1 U 1 4 U 10 11 11 11 11 11 11 11 12 13 13 15	8 8 7 8 8 8 8	8 4 2 3 3 3 3 5	12254 4712 14088 2437 86881 6273 72388 8181 8423 8425 8426	240812 No2405 105746 657422 860742 861742 861742 861742 861742 861742 861742 191221	Data Data Data Data Data Data Data Data	Exclusi fracture fracture fracture fracture fracture fracture fracture fracture fracture fracture fracture	
Sender PO Num SO Num SO Num Noice I I I I I	iber iber mber Number Kossi Kossi Kossi Kossi	Bas Red Sreen Dir Rach Holos Rod Not Rod Rod Rod Rod Rod Rod Rod Rod	1 9 9 2 56 7 32 6 8 32 8 32 8 32 8 32 8 32 8 32 8 32	8 3 3 4 7 8 7 9 8 7 9	6/00/29/02/02 9/02/20/02/02 9/02/23/02/02 9/04/23/02/02 9/04/23/02 9/04/23/02 9/04/23/02 9/04/23/02 9/04/03/02/02	111 AND 0 111 AND 0		N/B N/A N/A N/A N/A N/A N/A N/A N/A N/A		1 1 1 1 4 3 3 3 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 8 9 8 8 9 8 9	8 4 1 1 1 1 1 1 1 3 5 5 5 8	1224 4717 1008 2837 8080 8037 7238 6183 8023 8023 8023 8025 8025 7400	248812 141446 155098 567422 858746 154742 447322 849734 845742 131222 44574 341222 341222 44554	Inne Inne Inne Inne Inne Inne Inne Inne	States Inclusion States States States States States States States States States	
Sender I PO Num IO Num IO Num ISN Num ISN Num ISN Num I I I I I I I I I I I I I I I I I I I	Iber Iber Mumber Konstr Konstr Konstr Konstr Konstr Konstr	Bas Red Even Even Red Not Not Not Not Not Not Not Not Not Not	2 9 9 2 5 5 2 5 5 6 7 2 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8 3 4 8 17 9 5 8	8/10/10/10/10/ 9/11/20/10/ 9/11/20/10/ 9/10/20/10/10/ 9/10/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/20/10/	111         Adds         3           101         Adds         3           102         Adds         3           103         Adds         3           101         Adds         3           102         Adds         3           103         Adds         3		N(8) N(4) A) A) A) A) A) A) A) A) A) A) A) A) A)		1 U 4 U 11 12 13 14 14 14 15 16 16 16 16 16 16 16 16 16 16	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 4 3 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12294 6/113 1008 1008 1008 1008 6108 8428 8428 8428 8428 8428 8428 8428 84	2408427 142446 220298 845423 845423 845423 845242 845242 845242 845242 845244 8455744	2000 Jane 2000 Jane 2000 Jane 2000 Jane 2000 Jane 2000 Jane	Excited Excited Excited Excited Excited Excited Excited Excited Excited Excited Excited	
iender O Num O Num SN Nu Nolice I I I I I I I I I I I I I I I I I I I	iber iber mber Number subs subs subs subs subs subs subs sub	Ban Sed Simon Dior Rath Rath Rath Rath Rath Rath Rath Rath	1 9 9 2 54 7 12 8 12 9 12 9 12 9 12 9 12 9 12 9 12 9	8 2 13 8 9 17 17 8 8 8 8 8 4	KUNTE 12     KULUE 12     INVEE 12     INVEE 12     INVEE 12	11 AAA 1 12 AAA 2 12 AAA 2 12 AAA 2 12 AAA 1 12 AAA 1 13 AAA 1 14 AAA 1 15 AAA 1 16 AAA 1 17 AAA 1 18 AAA 1 19 AAA 1 10 AAA		N 3	8 8 2 8 2 8 2 8 2 8 7 7 8 8 7 7 8 8 7 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9	8 8 1 3 3 3 3 3 5 4 4 0	1224 6/112 2027 8698 8677 7228 8677 8677 8677 8622 8465 8465 8465 8465 8465 8465 8465 8465	240812 142468 120098 150422 850422 85042 85042 85042 85042 85042 15022 15021 86059 855748 45528	Data Data Data Data Data Data Data Data	Decision Decisi	
ender O Num O Num SN Nu Noice I	Iber Iber Mumber Konstr Konstr Konstr Konstr Konstr Konstr	Ban And Even Pan Reak Velas Reak Nel Nel Nel Nel Nel Nel Nel Nel Nel Nel	2 9 9 2 5 5 2 5 5 6 7 2 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8 3 4 8 17 9 5 8	8/10/10/10/10/ 9/11/20/10/ 9/11/20/10/ 9/10/20/10/10/ 9/10/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/10/10/ 9/20/20/10/	11 AAA 1 1 12 AAA 2 2 13 AAA 2 2 14 AAA 2 2 15 AAA 2 2 15 AAA 2 2 15 AAA 3 2 15 AAA 3 2 15 AAA 3 2 15 AAA 3 4 15 AAA 4 4 15 AAA		N(8) N(4) A) A) A) A) A) A) A) A) A) A) A) A) A)	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 4 13 13 14 14 14 15 15 15 15 15 17	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 4 3 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12294 6/113 1008 1008 1008 1008 6108 8428 8428 8428 8428 8428 8428 8428 84	2408427 142446 220298 845423 845423 845423 845242 845242 845242 845242 845244 8455744	Data Data Data Data Data Data Data Data	Decision Decisi	
ender O Num O Num SN Nu SN Nu Noice I	Iber iber mber Number statis statis statis statis statis statis statis statis statis statis statis statis	Ban Sed Simon Dior Rath Rath Rath Rath Rath Rath Rath Rath	1 9 5 2 10 7 11 8 123 14 6 6 7 123 14 8 123 14 123 14 123 14 123 14 123 123 123 123 123 123 123 123 123 123	8 2 13 1 8 9 77 77 8 8 8 8 4 15	4010/28-22 MULUUR CRU NULUUR CRU NULUUR CRU NULUUR CRU NULUE CRU NULUE CRU NULUE CRU NULUE CRU NULUE CRU CRU NULUE CRU CRU NULUE CRU CRU NULUE CRU CRU NULUE CRU CRU CRU CRU CRU CRU CRU CRU	11 AAA 1 12 AAA 2 13 AAA 2 14 AAA 2 14 AAA 2 14 AAA 1 14 AAA 1 14 AAA 1 14 AAA 3 15 AAA 3 16 AAA 3 16 AAA 4 16 AAA 4 17 AAA 4 18 AAA 4 19 AAA 4 10 AAA		N 3	8 8 2 8 2 8 2 8 2 8 7 7 8 8 7 7 8 8 7 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 4 1 1 1 8 1 1 8 1 8 8 8 8 8 8 8 8 8 8	2254 47-11 2627 2627 2627 2628 4620 2626 2626 2626 2626 2626 2626 2626	240842 142468 250298 865422 865422 865786 845782 845782 845786 845786 845786 855748 855748 855748	Tana Tana Tana Tana Tana Tana Tana Tana	Disciple Inscient Statistic Statisti	
ender O Num O Num SN Nu Noice 1 T T T T T T T T T T T T T T T T T T T	Iber Iber mber Number Number senst: s	Ent And Even Even Even First Notwo First N	2 9 9 2 34 7 12 8 8 12 12 14 9 9 9 9 9 9 40 94	8 3 3 4 9 8 9 77 8 8 8 4 15 4	KONDER 101     K	ET AAA 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		N 3 3	8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		1234 4717 488 2837 487 487 487 487 488 488 480 485 480 487 486 487 484 487 484 487 484 487 484 487 484 487 484 487 484 487 484 487 484 487 487	248912 14244 12504 14504 15504 155042 155042 15504 155	Data Data Data Data Data Data Data Data	Becard (rs.) at factori fac	
ender I O Num O Num SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu SN S	tber mber mber Number scheid scheid scheid scheid scheid sstate s	Ref Ref Breen Breen Breen Ref Ref Ref Ref Ref Ref Ref Ref Ref Ref	2 9 9 2 54 7 7 12 8 12 14 8 9 8 14 8 9 8 14 9 9 8 14 14 14 14 14 14 14 14 14 14 14 14 14	8 2 33 8 9 177 9 8 177 9 8 4 15 4 15 4 15 4 3 3 3	KUMUTE 121     MULTER 122     MULTER 123     M	111         Add         2           111         Add         3		11 2 4 4) 4 5, 5 5, 5 7, 5 7, 5 7, 5 7, 5 7, 5 7, 5			8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		1224 4717 2827 4838 4817 4818 4818 4818 4818 4818 4818 481	240812 142464 250706 167422 888748 844742 844742 844742 948749 850762 850744 850744 850568 850568 850568 14750	Taxe Trans T	Becard fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction fraction	
ender O Num O Num SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu SN S	Iber Iber mber Number Rome	Ent Seal Sean Sean Sean Pois Net Net Net Net Net Net Net Net Net Net	2 9 9 2 34 7 2 2 34 8 5 8 67 9 8 345	8 2 3 4 7 7 8 8 4 10 8 4 10 8 8 8 10 8 10 8 10 8 10	KONDER 101     K	III AAA         J		14 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 8 9 8 8 8 7 7 8 8 7 7 8 8 8 7 7 8 8 8 7 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		123% 4773 1038 1038 1437 4473 4473 4478 4478 4478 4478 4478 4	248922 NG2406 S2CVW S2CV	Take Tract Track Take Take Take Take Take Take Take Tak	Decised fractions fraction	
ender I O Num O Num SN Nu Nule Nu Nu SN Nu Nu Nu Nu Nu Nu Nu Nu Nu Nu Nu Nu Nu N	1001 100 1001 1	Err And Street Street State For Notice For Notice For Notice State	2 9 9 2 10 7 11 8 11 12 12 14 15 8 11 12 15 14 15 15 14 15 14 15 16 15 16 15 16 16 16 16 16 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	8 2 33 4 17 8 18 4 15 4 15 4 15 4 15 4 15 4 15 4 17 18 18 18 18 18 18 18 18 18 18 18 18 18	KU10125 121     KU10125 121     KU10125 121     KU1255 121     KU12555 121     KU12555     KU12555     KU12555     KU12555     KU12555     KU1255     KU	TO ADD         3           TO ADD         2           TO ADD         3           TO ADD         3           TO ADD         3           TO ADD         2           TO ADD         2           TO ADD         2           TO ADD         2           TO ADD         3           TO ADD         4		<ul> <li>(1) 日本</li> <li>(1) 本</li>     &lt;</ul>		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 9 9 9 9 9 9 9 2 2 8 8 8 8 8 8 8 8		12254 4717 1827 1827 1827 1828 1828 1828 1828 1	248912 14246 250% 167422 167422 167423 16774 167752 16774 16774 16574 16574 16574 16574 16574 16574 16574 16574 16574 16576 16766 14768 147788 14778 14778 14778 14778 1	Dane Jame Jame Jame Jame Jame Jame Jame Jam	Period focular facular	
ender I O Num O Num SN Nu SN Nu SN Nu SN Nu SN Nu S S S S S S S S S S S S S S S S S S S	ber ber mber Number Number 400007 400007 40000 40700 40700 40700 40700 40700 40700 40700 400000 400000 400000	Bar Season Season Season Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Not	2 2 3 3 4 2 3 4 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	8 2 3 3 4 7 7 8 4 3 3 4 5 4 3 3 3 5 5 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	K-101/27-127     K-201/27-127     K-201/27     K-201/27     K-201/27-127     K-201/27     K-201/27	IDI: Addit         IDI: Ad		<ul> <li>(1) 日本</li> <li>(1) 本</li>     &lt;</ul>	8 9 9 8 9 9 7 7 8 8 9 7 7 8 8 9 7 7 8 9 7 7 8 9 7 7 8 9 7 7 8 9 7 8 9 9 7 8 9 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		1254 4757 1005 1417 1417 1417 1417 1417 1417 1417 141	298922 N42949 S25034 N42422 888788 S150342 S150342 S150342 S150342 S150342 S150344 S150344 S150344 S150344 S150344 S150344 S150345 S15035 S1505 S15035 S150555 S150555 S150555 S150555 S1505555 S1505555555555	Data Linat Data Data Data Data Data Data Data D	Percent fraction frac	
iender I O Num O Num SN Nu SN Nu SN Nu SN Nu SN Nu SN Nu S S S S S S S S S S S S S S S S S S S	tber tber mber Number #2155 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #42555 #455555 #455555 #455555 #455555 #455555 #4555555 #455555 #4555555	Err See Err Err Err Err Nelso Nelso Nelso Nelso Fight Nelso Fight Nelso Fight Nelso Fight Nelso Fight Nelso Fight Nelso Fight Nelso Fight Nelso	1 0 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	8 2 33 4 17 8 18 4 15 4 15 4 15 4 15 4 15 4 15 4 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Reducts 12     R	TOTAL         2           TOTAL         2           Statut         2		(1)日本 利止、 利止、 利止、 利二、 利二、 利二、 利二、 利二、 利二、 利二、 利二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二		1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		1254 4717 1827 1827 1827 1828 1828 1829 1829 1829 1829 1829 1829	248912 14244 250% 150% 150% 150% 150% 150% 150% 150% 1	Data Data Data Data Data Data Data Data	Because facilitat	
ender I O Num O Num SN Nu SN Nu SN Nu SN Nu S S S S S S S S S S S S S S S S S S S	ber ber mber Number Number 400007 400007 40000 40700 40700 40700 40700 40700 40700 40700 400000 400000 400000	Bar Season Season Season Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Pois Notao Not	2 2 3 3 4 2 3 4 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	8 2 3 3 3 3 3 3 3 4 3 5 4 3 3 4 3 3 4 3 3 4 3 3 3 4 3 3 3 3	K-101/27-127     K-201/27-127     K-201/27     K-201/27     K-201/27-127     K-201/27     K-201/27	ID: Addit         2           Status         3           Status         3           Status         4           Status         4     <		<ul> <li>(1) 日本</li> <li>(1) 本</li>     &lt;</ul>	8 9 9 8 9 9 7 7 8 8 9 7 7 8 8 9 7 7 8 9 7 7 8 9 7 7 8 9 7 7 8 9 7 8 9 9 7 8 9 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 3 4 4 4 4 5 7 7 8 8 8 8 8 8 1 2 2 2 2 2 2		1254 4757 1005 1417 1417 1417 1417 1417 1417 1417 141	298922 N42468 S25036 N42422 888788 815032 815032 91721 91720	Data Linat Data Data Data Data Data Data Data D	Bacan fraction factors fraction fractio	

Page: 1, 2, 3, .... 25

Export



# Screen Mockup: Search (Filtered)

••	G EN														
÷	0_0_	e styseraet-d												÷ (	
	yker	18 Trucking 19 Hirzah	* <u>S</u>	ear	sh Re	port	ts A	lerts	Admin						JG
Searc	: <u>h:</u>													Searci	h
lessage	Type:		12	From	Date: 9/14/	2023 0	0:00:00	Sender:	Select Send	0f 10	15		Ad	d Sort I	Field
urchase	e Order:			To Da	te: 9/14/	2023 2	3:59:59	Receiver:	- Select Recei	ver	۲		Save of	Nation Action of	reference
Status	(E)	is			1		X								
	DVM Respons	ie 🗉 🛙 🕯 is le	ss than		7		And	Or X							
And	Contraction of the Contraction o					Concerning and	Cold and a loss	DVM Response	- 2 Sender Montline +	PO Seattlest *	SO Nutribut	ANN Number -	Instant Number -	Tiane *	Paylo
and a second second		Composite Name	GUND -	1.1 home 102		Vistan -1	Direc Mensar		the second s						
	1,13455	Blue	GLND +	These 12	%13/32 12:00 AM	Hatus 2	A/A	3	5	1	3	1234	246918	Tinis.	People
	- 133455 822525	Hue Voltes	1	1	9/18/39 12:00 AM 9/24/25 12:08 AM	Hatus 3	A)/A. A/A	1	5	1	3	8279	194242	11am	Perfo
and a	133455 827575 723658	Hue Yollow Pick	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9/13/33 12:00 AM 9/34/21 12:00 AM 9/25/23 12:00 AM	thatas 3	N/A N/A	1	5 12 11	1 8 7	3	16273 2338	154242 447312	tiam	Perfor Paylor Easter
and a	123455 822375 723858 828457	Hue Yellow POR Red	1 12 4	1	1/12/10 12:00 AM 1/24/21 12:00 AM 1/25/20 12:00 AM 1/25/20 12:00 AM	1 1 1 1 1	41/4 A/A A/A N/A	1	5 12 11 11	3	3 1 2 1	8271 7338 8283	194742 447822 194734	train 31aur Train	Partie Partie Partie
induction of the	123405 822375 723636 828362 828362 845622	Hot Volum Pot Not Hot	1 12 4 13	1 4 1 1 1	9/18/33 12:00 AM 9/24/23 12:00 AM 9/25/23 12:00 AM 9/26/23 12:00 AM 9/26/23 12:00 AM	1 1 1 1 1 1	4/A N/A N/A N/A N/A	1 2 1 1	5 11 11 13 18	1 7 1 8	5 1 2 1 5	827) 7138 8281 6458	104242 447782 104784 241222	Train Train Train	Perfe Cashe Cashe Cashe Cashe
And 5 1 8 7 1 3	123495 827575 723458 828367 940411 118113	Blue Yollow Pick Rod Blue Yellow	1 7 12 4 10 1 1	1 4 1 17 4	9/11/20 12:00 AM 9/24/21 12:00 AM 9/25/20 12:00 AM 9/25/20 12:00 AM 9/26/20 12:00 AM 10/26/20 12:00 AM	1 1 1 1 1 1 1 1	4(A N/A N/A N/A N/A N/A	1 2 1 1 1 1 1	5 12 11 11	1 8 7 8 8 9	5 1 2 1 5 5 5	827) 7238 8283 5538 9381	654742 447712 654734 295222 175246	train Itain Itain Itain Itain Itain	Perdu Daylor English English English English
	123405 822375 723636 828362 828362 845622	Hot Volum Pot Not Hot	1 12 4 13	1 4 1 1 1	9/18/33 12:00 AM 9/24/23 12:00 AM 9/25/23 12:00 AM 9/26/23 12:00 AM 9/26/23 12:00 AM	1 1 2 1 1 1 1 1 1	4/A N/A N/A N/A N/A	3 1 2 3 3 1 3 3	5 11 13 13 14	1 8 7 8 9 9 3	5 1 2 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	827) 7138 8281 6458	104242 447782 104784 241222	Train Train Train	Perfe Cashe Cashe Cashe Cashe

Page: 1



## Screen Mockup: Search (Trace Pop-up)

< > 0 0				
stryker	Search Reports Alerts Admin			JG
Search:		1	Search	h
lessage Type:	From Date: 9/14/2023 00:00:00 Sender: Select Sender 8		Add Sort	Field
urchase Order:	To Date: 9/14/2023 23:59:59 Receiver: Select Receiver @		Save others as a p	-
	To bata; (a) 14/2020 20:00:00 Receive:			
Tant - Journal and -		1214 Service	2 Page 0	Paul Caula
2 113940		1239 34786×	1mir	580
1 200471 1 21.029		2014 140942	Int	100
4 2001.4	Timeline for Transaction: 123455	3010 407834	200	Child Child
5 1,7897		1278 275674	2aut	- Caulo
8 125496		1234 3409(2	284	080
4 871234 9 202506		8712 F12368 3023 204796	284	100
1 280711		Jahr Misti	288	tai
a ecentra		4040 #56744-	200	200
2 807975	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	8275 854742	288	- Onli
6 723896 7 E2307		1236 A47812 8243 416734	Test	Chi
	1	R21.0 842780	200	201
2 921945		94%A 291222	Sain	200
2 645815		7482 442578	Tata .	780
2 641415 9- 746249	Territor I second a local data in the local data		2 mil	fail
2 545825 9 746289 4 8(1979	The second secon	8218 815/148		
2 845823 9 746289 8 9219218 8 922928	Interface         Section         Interface	12% 4032%	2008	286
2 841923 9 746289 4 8(1919) 8 727634 2 891752	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000		2068 Silaca	End
2 8498125 9 7442489 4 817174 8 527054 8 527054 9 8997732 9 8997732 5 8472765	- 1 (24) 5/2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12% 4852% 8557 787424	2064 Sinia Sinia	Encir Caulo Encir
2 6419212 9 7742289 4 9217576 8 727556 8 727556 9 990752 9 947205 8 947205 8 945256	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	1239 40225 8557 121454 8685 874246 9475 824768 #462 128968	2000 2000 2000 2000	201
2 54/9612 9 742207 8 7427575 8 727574 1 84/7575 9 7427574 9 7427575 9 747755 9	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	1254 482254 8557 72(14)44 8485 834244 9477 824385 8487 728848 8487 728848 8487 728848		200 200 200 200 200 200
2 84/8423 9 774288 4 41/7824 8 72/864 8 72/864 8 72/864 8 72/864 8 72/864 8 72/864 8 72/864 8 72/864 8 888529 8 888529 8 9847205 8 9847205 8 112845 5 112845 5 112845 8	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	1214 40274 8057 757434 8060 804246 8400 80408 8400 984086 1234 247486 1244 247486		
2 649433 9 742289 8 6421975 8 727558 8 727558 9 789512 9 647215 8 698259 5 628259 5 628259 5 528759 4 325846	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	1276         488276           8077         787424           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         878244           8882         888278           8784         822284	2000 2001 2001 2002 2003 2003 2003 2003	
2 64/6433 9 742289 4 61/979 8 72/928 8 72/928 9 88629 9 88629 9 88629 9 52/928 9 88629 1 22/928 9 88629 1 22/928 1 22/928	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	1214 40274 8057 757424 8060 804246 8400 80408 8400 984086 12146 247486 12146 247486	2000 2000 2000 2000 2000 2000 2000	
2 449433 9 274289 4 41979 8 721824 8 721824 3 89629 9 89629 9 99629 9 294705 9 294705 9 294705 4 320464 4 320464	4         (M)         Au         1         1         1         100         M000         panel           J         (M)         Au         1         3         (M)         1         1         (M)         M000         panel           J         (M)         Au         1         3         (M)         M000         M000         M000           J         (M)         Au         1         3         (M)         M000         M000         M000         M000           J         (M)         Au         1         1         (M)         M000	12/40         4002/16           8010 <sup>1</sup> 1914/16           8080         80400           9417         804006           9417         804006           12/34         241400           12/34         241400           12/34         241706           12/34         241400           12/34         241400           12/34         241400           12/34         241400	2000 2001 2001 2002 2003 2003 2003 2003	2000 5000 5000 5000 5000 5000 5000 5000

## Screen Mockup: Search (Payload Pop-up)

	Goo	Derihticant		
8 B	00	e stryker.ntt-car		÷ 🛛 :
	yker	28 Trucking Too ker.com	Search Reports Alerts Admin	JG
Searc	ch:			Search
Message	e Type:		B From Date: 9/14/2023 00:00:00 Sender: - Select Se	ender B Add Sort Field
				Receiver (0)
Purchas	e Order:		To Date: 9/14/2023 23:59:59 Receiver: Select Re	eceiver 8
Compo	site Name 🐵	İs	Blue     And     Or     X	
and a state of the	and the state of the second state of the secon	Land de la companya de la		
	242			
Rest Tape	Listen	European Runne -	<pre><xml ?="" encoding="UTF-8" version="1.0"></xml></pre>	N2 Namber All Norther Manhael Trans. Perform
1	111982	- Terl		D         1234         D+0013         Data         Data           4         1.038         047964         Tiant         Enclosed
1	293471	veltor	<message></message>	5 2004 Satisfic Trains England
	38(8)8	For		5 2829 563878 Train Reiland
	30/818	ded .		2 2019 ACTRES Trains Paulant
1	127857	Tylice		1 1278 285674 <u>Trans</u> Fauland
1	871256	Bie .		0 1234 240912 Data Radad
-	101399	- Direct		4 8717 Nerois Haur Parling 5 1023 104708 Taun Parling
1	JRST13	flue		1 INST DETAIL DETAIL
1.2	818372	Binch	3	D \$282 shalles Taxa
1	817371	Tailory .		1 8279 854742 Trans Review
	72900	P14	3	2 7299 247252 Man Annu
	828067	Bed		1 ADAD HIMITA TIME PRODUCT
1	WITTHEI	Nelline .	-	9 9/2A 942/M2 Zana Endand
	845411 146388	B're	3	5 6456 271222 Lant Facing 3 7462 442576 Taug Facing
	827874	Ref:	-	3 7462 462578 Taka Padad 4 9278 805748 Taka Padad
		Putate	1	in 7276 SULTO LAN CRUME
	727838			
-	727638	Red		
				0 4837 707424 - Timus Revised
- #	893712	Red		0 4837 707424 Taxa Kadadi 3 8161 876246 Taxa Kadadi
1	894123	ted to find		0 8837 70742+ 71300 F94204 5 8083 87424+ 71300 F94204 8 8472 8+418+ 71200 F94204 5 8447 709408 71200 F94204
# 3 5 8 3	005712 808023 847206 3894748 125845	Red Nel'sse Red Red Denot		
1 3 1 1 3 5	015712 808025 847200 804748 123845 204795	Fed Telfson Fed Fed Fed Fed		0 8837 707424 Thum Excited 5 9981 87424 Thum Excited 8 8472 sector Thum Excited 5 8897 29998 Thum Excited 5 1278 247997 Thum Excited 4 2997 380077 Thum Excited
# 1 8 9 5 4	893712 804228 847200 894748 129945 129945 129945 129945	Fed Telline Fed Telline Fed Fed		0         88.27         2014/14.4         Trains         Egaland           3         9081         374244         Trains         Egaland           5         8481         374244         Trains         Egaland           5         8447         584184         Trains         Egaland           5         1278         24760         Trains         Egaland           2         1278         24760         Trains         Egaland           2         3654.6         61376         Trains         Egaland
# 1 8 1 8 4 4	013712 808228 847296 3384548 127845 236058 557864 355864	Ref Witne Bue Ref Priori Elui Ref Witne		0         8837         70744.8         Timus         Egalant           9         8881         87454.6         Timus         Egalant           8         8472         1844.6         Timus         Egalant           5         8467         1844.6         Timus         Egalant           5         1738         241900         Timus         Egalant           2         2967         289770         Timus         Egalant           2         2054         01177.8         Timus         Egalant           2         2064         01177.8         Timus         Egalant
# 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	010713 808228 847300 888448 127845 284788 578648 2874854 2874854 2874854 2874854	Ref Witner Fran East Fran Fran Yeltow S'ra		0         #827         2014/14         Theme         Egalant           8         #984         #74244         Theme         Egalant           8         #984         #74244         Theme         Egalant           8         #847         #84484         Theme         Egalant           8         #847         #84484         Theme         Egalant           9         #8497         #84684         Theme         Egalant           9         12798         247901         Theme         Egalant           1         12798         247901         Theme         Egalant           2         12647         3600701         Theme         Egalant           2         12648         011370         Theme         Egalant           2         20548         011370         Theme         Egalant           5         3448         6597070         Theme         Egalant
8 1 8 1 5 4 4	013712 808228 847296 3384548 127845 236058 557864 355864	Ref Witne Bue Ref Priori Elui Ref Witne		0         8837         70744.8         Timus         Egalant           9         8881         87454.6         Timus         Egalant           8         8472         1844.6         Timus         Egalant           5         8467         1844.6         Timus         Egalant           5         1738         241900         Timus         Egalant           2         2967         289770         Timus         Egalant           2         2054         01177.8         Timus         Egalant           2         2064         01177.8         Timus         Egalant

Page: 1, 2, 3, ... 25



## Screen Mockup: Payload Search

Payload Payload	d Searc	contains contains does not Plan Ref	Teol S	From To Da	ate: 9/14/	/2023 00 /2023 23 error'	:00:00	Or X	dmin dmin	P11 Transfer	117 Populari 🖉			Searc Add Sort	Field
Payload essage Ty Payload	comparison in      comparis	ry kee sold) ch: contains does not Plan Ref Ref Ref	E contain	From To Da	Date: 9/14/ ate: 9/14/ 123, 'acb', 'v	/2023 00 /2023 23 error'	::00::00 ::59:59 And Ma	Or X	Sender Hardler	P11 Topoline			Sector Number -	Add Sort	th Field protococce
Payload	Cype:	contains does not Sur Ref Ref	contain	To Da	Beietiese     Beietiese     Beietiese     Beietiese     Beietiese     Walking 1200 MM	2023 23 error'	.59:59 And	TVM Requirer @		PITNymine			Sector Number -	Add Sort	Field
Payload	200001000 E - 220406 229942 299473	does not fun tur tur tur tur	contain	To Da	Beietiese     Beietiese     Beietiese     Beietiese     Beietiese     Walking 1200 MM	2023 23 error'	.59:59 And	TVM Requirer @		PIT Nyonine a			Sector Number -	ve offerte as a There of	Pariot
Vent Deen 2 9 2 3 8 7 8 4 9	223455 123943 293473	does not fun tur tur tur tur	- <del>1000</del> + 5	() () () () () () () () () () () () () (	123, 'acb', '     123, 'acb', '	Stenso -	And Prev Klossept	TVM Requirer @		PIL Propriet			Invoice Number	Title -	Payload
Vent Deen 2 9 2 3 8 7 8 4 9	223455 123943 293473	does not fun tur tur tur tur	- <del>1000</del> + 5	First BL 2 3	+ DataTione + 9/15/23 (2.00) AM 9/14/05 (2.00) AM	Stimus -	Error Wessage -	TVM Requirer @		PIL Number					
8 2 3 8 7 8 4 9	223455 123943 293473	plan kar Vellesi	8	2	8/13/23 12:00 AM	3	N/A			PIL Number -					
2 3 8 7 8 4 9	299473	kart Vellens	5	3	8/14/23 12:00 AM	5									
9 8 7 8 4 9	293473	Yellens	2					1	5			1234	147364	Dista -	Eastand Eastand
	(ginte					3	N/A		8		3	2954	586542	lines	Tations
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		But	+		4/16/23 12:00 AM	2	Aj/A	8	6	1	8.	2828	56.0878	liniz	Pauluad
8	309918	Ball		1.1	8/17/09 12:00 AM		N/A			3	1	1019	407839	2008	failed
4	127817	Wellow Blue	7	-	8/18/19 12:00 AM	3	N/A N/A	14 2	5	1	1	1278	15547A 246852	21818	Estind
	871234	dad.			8/35/27 12:00 AM		N/4		11		1	8713	742468	Data .	Emiliae Truline
1	111100	Lines.	8		9/11/19 L1:00 Ann	2	N/4		1	1	1	1015	204798	21acz	failed
	388711	Bat	3	1.1	8/32/23 12:00 AM	-1	N/A	1.1	1	1		3817	547413	- TIALE	Excluded
1	628972	Black .	50	11	B/TB/TB 1E:00 AM	- 2	N/A		11			6281	856744	Date	terine!
1	827371	Vellage	7	1	8/34/22 12:00 MM	1	N/A	1	- 11	- 1	1	8/73	654742	Train	failed
8	123856	test	10-	1	125/23 11:00 AM	3	AL'A	3	11		1	8287	858734	288	Employed
1	421381	Velligne	1		B/27/28 12:00 AM	4	ALA .	1	68		1	8213	#42762	200	faulani
4	045621	Not	128	-17	8/18/23 13:00-AM	- 1	N/A	1	38			0404	201213	21418	Cautond
*	748.299	. And	34	5	9/19/23 L1:00 AM		8.4	N	. 11.	1		7462	##2578	Tintz	Tailant
4	927874	TRUDO	5	1	-9/30/33 12:00 AM	3	604	1	13	0	4	9278	851748	100	Tailed.
8	727638 891711	Paralle deal	8	-# 15	10/1/28 12:00 AM	4	4(4) A(4)	1	11		0	7278	455378	Train.	Repland
3	898325	Tellow	5	4	10/3/23 12:00 AM	-	104	1	11	-	3	\$541	876346	Eats	Reided
3	847235	Nur	87	19	10/4/21 12:00 AM	2	16/4	1	11		2	8472	694589	Traix	Enviored
9	894249	Red	54	18	3/5/3/23 12:00 AM	3	6//£	8	12		8	8947	285488	Time	failing.
5	123840	\$1097	4	3	10/8/23 11:00 AM	4	N/A	9	3	+	5	1238	147880	lines.	Envioed
3	334783	For	145	17	3/6/7/2/3 32:00 AM	4	NW .	±.		1		3947	369575	TIME .	Tasjued
4	204854	hed TETRM	415	03	10/0/23 12:00 AM	4	N/A N/A	1	7	1	1	105.6	611728	22818	Paulost
	104834	Nur.	122	-12	10/30/28 12 00 AM	1	AUX.	1		1	1	2446	691288	Tiniz Tiniz	fexture:
	881120	Greet .	23	1	10/11/21 12:00 AM	1.6	N/A	8	8)	1	2	1815	362462	Zinin	Entied
9	874859	Yelline	4		10/12/28 12:00:44#	1	N/A	8	30		1	8745	349678	Topin .	Ceutand

Page: 1, 2, 3, ... 25

Export



## Screen Mockup: Reports Page

	Searc	h Reports	Alerts	Admin		
ig:	11. SANDAR	504 				
From Date:	- The second					
To Date:	9/14/2023 23:59:	9				
r:						
		Œ				
Value				Value	1	
MessageType Sender	1.1	*		MessageType ErrorMessage		
Receiver Status	MessageType	locals		10	Error Totals	
		10		*	9	
10						7
				3		
4				4 1		
1	2			i		2
				1		
0	Sales Orde	Purchase D.		PO Feihre DV	t Errora SO Failure	GUID Error Perioad Er



## Screen Mockup: Alerts Page

G EDI Daubboard	
+ + O O e stylet an destand have	÷ 🛛 1
Stryker and Search Reports Alerts Admin	JG
Alerts: Create +	

Showing all alerts:

0	Name	Alert Type	Email	
0	Custom1	PO Failure	JGreen@Stryker.com	2
Ο	Custom2	DVM Error	JGreen@Stryker.com	2

Delete in

## Screen Mockup: Alerts (Create Alert)

EDI Dishbolita	
· → O Ω ∎ styles ad-contained com	± ⊜ :
Search Reports Alerts Admin	JG
Alerts: Create +	
Name: Custom3 Input SQL Query:	
Jert Type: SO Failure  Small: JGreen@Stryker.com	
Schedule: 24 hours B	2
Advanced Enter Query	
Add Alert	

#### Screen Mockup: Admin Page (Default Search Layouts)

		ch Reports Alerts Admin	
Imin	<u>l</u>		
	Default search layouts	Select Default Search Layout	
	Result table layout	Default	
	Report options	Condensed	
		Default Payload Focused	



#### Screen Mockup: Admin Page (Result Table Layout)

					÷ 6
ryke	ngdover.com Sear	ch Reports A	lerts Admin		
Imir	)				
	-):				
		Coloret fields	for an ender to black	1	
	Default search layouts	Select fields	for results table:		
	Result table layout	Document Type	FlowID		
	Report options	PurchaseOrderNumber	DateTime		
		ASN	ErrorMessage		
			Full Trace		
		SenderID	Payload		
		ReceiverID			
		Status			
		SalesOrderNumber			



#### Screen Mockup: Admin Page (Report options)

••• G				
+ + 0 0	· stylet.id-dashboard.com			÷ 01
stryker	and Tracking Tool Sear	<u>ch Reports</u> A	Alerts Admin	JG
Admin				
	Default search layouts			
	Result table layout	eeneet neid	s for reports:	
	Report options	Graph 1:	Graph 2:	
		MessageType Sender Receiver Status	ErrorMessage     Message Type	
		Select all	Select all	



## **Project Technical Specifications**

- Backend Infrastructure
  - The system uses Python and the Flask framework, hosted on Azure Web Server
- Data Storage and Management
  - Azure SQL Server serves as the central data repository, capturing and storing events from various ERP platforms.
- Frontend User Interface
  - Developed using ReactJS, the frontend dynamically communicates with Flask's API endpoints to fetch and render data.
- Table Functionalities
  - DataTables is integrated into the ReactJS framework to provide enhanced table features such as sorting, searching, and pagination.
- Analytics and Visualization
  - PowerBI is embedded within the ReactJS framework for real-time analytics, capable of sourcing data directly from the Azure SQL Server or via Flask APIs.

## **Project System Architecture**



### **Project System Components**

- Software Platforms / Technologies
  - Microsoft Azure
    - SQL Server Central Data Repository
    - Web App Hosting Platform
    - Dev Ops Project Management
  - Web Application
    - Flask backend framework
    - o pyodbc connect to Azure SQL
    - PowerBI graphing and reporting
    - Datatables creating dynamic table for large dataset
    - ReactJS frontend framework

### **Project Risks**

- Implementing Dynamic Tables and Graphs (High Priority)
  - Mitigation: Embed PowerBI reports for customizable graphs and utilize DataTables jQuery for flexible table displays.
- Database Schema for Storing EDI Data (High Priority)
  - Mitigation: Design the schema in Azure SQL Server with atomic data types like "varchar," "datetime," and "float."
- Optimizing Searching, Filtering, and Displaying Large Amounts of Data (High Priority)
  - Mitigation: Implement server-side data processing and pagination through Flask endpoints to improve latency and user experience.
- Generate and Send Custom Queries at Predefined Intervals (Medium Priority)
  - Mitigation: Store custom SQL queries in Azure SQL Server and automate email dispatch at specified intervals using Azure's builtin mailing capabilities.

## **Questions?**

