Invoice Error Message Categorization Using Generative AI - (NP-38941)

Target GA: November, 2024

Feature Overview



Agenda

Introduction

User story

Enablement steps & notes

Prerequisites, Restrictions, Cautions

Feature details

Introducing: Invoice Error Message Categorization Using Generative AI (NP-38941)

Feature Description

- Invoice rejections from external invoice processing system comprises of multiple rejection reasons in a semi structured format. These rejections comprise of user entered as well as system generated rejection reasons.
- Invoice error classification is about segregation and classification of these external rejections into different rejection categories and extract precise information specific to each rejection by the Large Language Model. Wherever applicable these rejection categories represent the exception type coming from the external invoice processing system.
- The classified rejection gives Suppliers precise information on Rejection level(Generic, Header, Line), Rejection details(line number, Part number, Description), Rejection category and Invoice field associated with the rejection.
- The rejection categories generated in Business Network are the foundation units for all the future use cases related to rejection analytics, rejection resolution recommendations and eventual error detection at the time of invoice creation.

Key Benefits

Instead of reading and making sense of voluminous rejection reasons, suppliers now have access to precise rejection categories that are easily comprehensible and actionable, thus reducing time taken for remedial actions

Audience:

Supplier

Enablement Model: Customer Configured

Applicable Solutions: SAP Business Network

User Story

- As a supplier, you can now use GenAI capability inside the invoice document to transform detailed rejection reasons into concise, intuitive rejection categories for further analysis
- Basic process steps are:
 - Activate Gen AI preference for invoice (one time)
 - Navigate to 'Rejected Invoice' tile and select an invoice
 - Activate 'Simplify errors with Al'
 - View rejection categories generated from the detailed rejection text
- This feature automatically converts verbose rejection text into concise, easy-to-understand and actionable rejection categories
- As a result, you can now see all the reasons the invoice got rejected for and take rapid action

Enablement Steps & Notes

• Supplier has to activate the Gen AI preference for invoice

	57 Q 0 FL	Account Settings			
More ~	fnSmith InJohn test-S_IIC_10 My Account Link User IDs Contact Administrator	Customer Relationships Users Notification Enable AI Choose and enable AI that you can later assign to the product. Y	ions Application Subscrip	ptions Account Registration API management Generative AI	ns Account Registration API management Generative AI
SOLOUSD Early payment offers More Next 90 da Account Settings Customer Relationships Users Notifications Application Subscriptions Account Registration Generative Al Network Settings Electronic Order Routing	PS - IIC Supplier 10 - TEST ANID: AN02003319339-T Premium Package Company Profile Settings > Logout	Name Discovery Discovery Network Catalog Network Catalog Apply	Status † Disabled Disabled Disabled	Field Keywords generations Respond to Lead Generate product summary and description in network catalog Generate classified Invoice Rejection details.	Field Keywords generatio Respond to Lead Generate product su Generate classified Dore Dore

Prerequisites, Restrictions, Cautions

Prerequisites

• None

Restrictions

None

Cautions

None

Feature Details

- How the solution works:
 - Gen AI preference for invoice is activated (one time)
 - Navigate to 'Rejected Invoice' tile and select an invoice
 - Activate 'Simplify errors with Al'
 - View rejection categories generated from the detailed rejection text
- Solution limitations:
 - None
- The following slides explain system navigation for the scenario

Feature Navigation – Step 1

Navigate to Rejected invoice tile

TO	0		0	0		0	0		0	
Invoices	Rejected invol	ces	Overdue invoices - Not	Overdue invoices - Approv	ed Invoice	s pending approval	Approved invoices pe	ending	Paid invoices	Draft
Last 31 days	Last 31 days		Last 31 days	Last 31 days		Last 31 days	Last 31 days		Last 31 days	Last 50
Invoices (10) V Edit filter Last Customers	t 365 days	ivoice number		Reference		Invoice date		Invoice type		
Select or type selection:	15 D ¹	Partial match	Evact match	Type input		Last 365 days	~	All	~	
Show more			C Exact match						Apply	Reset
									(inclusion)	100
Invoice Number	Customer	Reference	Invoiced Date \downarrow	Amount	Routing Status	Invoice S	Status From	address	To address	Actions
In-invoice-Owrwerksdhf sf3423123	Automation Test Inc jxeilj b	po-order-0201- 0301	02320 Feb 1, 2024	₹55,200.00 INR	Acknowledged	Rejected	Com	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2k223hj4hj23h4hj234 123	Automation Test Inc jxeilj b	po-order-j23h4j g4234f4301	gh23 Feb 1, 2024	₹55,200.00 INR	Acknowledged	Rejected	Comr	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2k2342rer344343123	Automation Test Inc jxeilj b	po-order-jk2235 f4301	Feb 1, 2024	₹55,200.00 INR	Acknowledged	Rejected	Comr	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2kl332m34n2344343 123	Automation Test Inc jxeilj b	po-order-jk2235 301	Feb 1, 2024	₹55,200.00 INR	Acknowledged	Rejected	Comminited	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2kl3323j4hk2j343431 23	Automation Test Inc jxeilj b	po-o234jhkj234 4123301	hk2j3 Feb 1, 2024	₹55,200.00 INR	Acknowledged	Rejected	Comr	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2kl3423j4kk2j343123	Automation Test Inc jxeilj b	po-order-0201- 0301	02320 Feb 1, 2024	₹55,200.00 INR	Failed	Rejected	Comr	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	
In2kl34jlk234j2343123	Automation Test Inc jxeilj b	po-order-0201- 0301	D2320 Feb 1, 2024	₹55,200.00 INR	Failed	Rejected	Comminited	nscope India Private L I, Goa, Goa, IND	Infosys Limited, Chennai, I N-TN, IND	

Feature Navigation – Step 2

View original rejection reason in selected invoice and activate GenAI feature in invoice



Feature Navigation – Step 3

GenAI generates concise header and line level rejection categories

Business Network - Enterprise Account	Business Network - Enterprise Account
Invoice: In2k223hj4hj23h4hj234123	Invoice: In2k223hj4hj23h4hj234123
Edit Copy This Invoice Print Download PDF Export cXML	Edit Copy This Invoice Print Download PDF Export cXML
Detail Scheduled Payments History	Detail Scheduled Payments History
Simplified rejection reasons: Customer internal reference number: Generic level: Rejection category: Insufficient Funds Rejection reason detail: Invoice is Rejected. There are no enough funds left for the current invoice. Total Remaining: By4.906.00000 USD. Rejection category: Processed Invoices Rejection crasson detail: Invoice is Rejected. There are invoices already processed against the PO line item. Line level: Line Number: 1 Line Number: 1 Line Source Field: Item Quantity Rejection category: PO Quantity Variance. Rejection category: PO Quantity Variance. The quantity on the invoice line item, 1, is different from the quantity on the purchase order line item, 0. Please revise your invoice and resubmit. Edit & Resubmit Simplify errors with Al	Simplified rejection reasons: Customer internal reference number: Generic level: Rejection category: Insufficient Funds Rejection category: Insufficient Funds Rejection reason detail: Invoice is Rejected. There are no enough funds left for the current invoice. Total Remaining: By 06,00000 USD. Rejection category: Processed Invoices Rejection category: Processed Invoice is Rejected. There are invoices already processed against the PO line item. Line level: Pro Number: 1 Part Number: Not Available Line Description: Malware 1.4 IDAM1.5 August 31, 2022 to January 31, 2023. Invoice field: Item Quantity Rejection reason detail: PO Quantity Variance. The quantity on the invoice line item, 1, is different from the quantity on the purchase order line item, 0. Please revise your invoice and resubmit. Edit & Resubmit Simplify errors with Al
Standard Invoice	Standard Invoice
	Line level rejection
Gen AI creates header level rejection cates	gories

Thank you.

Pushpendu Sarkar (p.sarkar@sap.com)

© 2024 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclaimers, or restrictions related to this material.

www.sap.com/contactsap

© 2024 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company. The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary. These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty. In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions. SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See www.sap.com/trademark for additional trademark information and notices.

