Talentica GenAI Assignment Details

An e-commerce analytics organization aims to extract and utilize data from user purchase bills (provided in image format) for various analytical purposes.

Your task is to develop an AI-powered assistant with the following capabilities:

1. **Chit-Chat**: Engage in basic conversational interactions with users.
2. **Bill Parsing**: Analyze and extract structured information from a bill image, adhering to a predefined schema.
3. **Data Export**: Save the extracted bill information as a JSON file upon request.
4. **Information Querying**: Answer user queries based on the information extracted from the bill.
5. **Accuracy**: Leverage Generative AI techniques to achieve high accuracy (targeting near 100%) in information extraction.

Use appropriate GenAI models and tools to fulfill these functionalities effectively.

Below are some of the sample images for bill, with more can be obtained from the Internet for validating your approach. Coding needs to be python language. One can use any of GenAI models: managed or open source.

Complete this task **within 3 days** of receiving the assignment mail.

Tax Invoice

Sold By: Tech-Connect Retail Private Limited ,
Ship-from Address: *Sy. No.130,256,259,268 and 283, Malur Industrial Area,, Hosakote Village Lakkur Hobli Malur Taluk, Kolar, Karnataka, 563130, Bangalore, Karnataka, India - 563130, IN-KA*
GSTIN - 29AAICA4872D1ZK

Invoice Number # FABZDC2100864029

Order ID: OD119571078366432000
Order Date: 31-08-2020
Invoice Date: 31-08-2020
PAN: AAICA4872D
CIN: U52100DL2010PTC202600

Bill To
Amrishbhai Patel
03 - Venice Bungalows,Near SP Ring Road,Behind Rainforest Bungalows, Nana Chiloda.
Ahmedabad 382330 Gujarat
Phone: xxxxxxxxxx

Ship To
Amrishbhai Patel
03 - Venice Bungalows,Near SP Ring Road,Behind Rainforest Bungalows, Nana Chiloda.
Ahmedabad 382330 Gujarat
Phone: xxxxxxxxxx

**Keep this invoice and manufacturer box for warranty purposes.*

Total items: 1

Product	Title	Qty	Gross Amount ₹	Discount ₹	Taxable Value ₹	IGST ₹	Total ₹
Laptops FSN: COMFT42FHH9AGAN6 HSN/SAC: 84713010	**Honor MagicBook 15 Ryzen 5 Quad Core - 8 GB/256 GB SSD/Windows 10 Home Boh-WAQ9HNR Thin and Light Laptop** Warranty: 1 Year Limited Domestic Warranty 1. [IMEI/Serial No: KHMPM2071700708] **IGST:** 18.000 %	1	42990.00	0.00	36432.20	6557.80	42990.00
	Total	**1**	**42990.00**	**0.00**	**36432.20**	**6557.80**	**42990.00**

Grand Total **₹ 42990.00**

Tech-Connect Retail Private Limited

Authorized Signatory

amazon.in

Tax Invoice/Bill of Supply/Cash Memo
(Original for Recipient)

Sold By :
Varasiddhi Silk Exports
* 75, 3rd Cross, Lalbagh Road
BENGALURU, KARNATAKA, 560027
IN

PAN No: AACFV3325K
GST Registration No: 29AACFV3325K1ZY

Billing Address :
Madhu B
Eurofins IT Solutions India Pvt Ltd,, 1st Floor,
Maruti Platinum, Lakshminarayana Pura, AECS
Layou
BENGALURU, KARNATAKA, 560037
IN
State/UT Code: 29

Shipping Address :
Madhu B
Madhu B
Eurofins IT Solutions India Pvt Ltd,, 1st Floor,
Maruti Platinum, Lakshminarayana Pura, AECS
Layou
BENGALURU, KARNATAKA, 560037
IN
State/UT Code: 29
Place of supply: KARNATAKA
Place of delivery: KARNATAKA

Order Number: 403-3225714-7676307
Order Date: 28.10.2019

Invoice Number : IN-761
Invoice Details : KA-310565025-1920
Invoice Date : 28.10.2019

Sl. No	Description	Unit Price	Qty	Net Amount	Tax Rate	Tax Type	Tax Amount	Total Amount
1	Varasiddhi Silks Men's Formal Shirt (SH-05-42, Navy Blue, 42) | B07KGF3KW8 (SH-05--42)	₹538.10	1	₹538.10	2.5%	CGST	₹13.45	₹565.00
					2.5%	SGST	₹13.45	
	Shipping Charges	₹30.96		₹30.96	2.5%	CGST	₹0.77	₹32.50
					2.5%	SGST	₹0.77	
2	Varasiddhi Silks Men's Formal Shirt (SH-05-40, Navy Blue, 40) | B07KGCS2X7 (SH-05--40)	₹538.10	1	₹538.10	2.5%	CGST	₹13.45	₹565.00
					2.5%	SGST	₹13.45	
	Shipping Charges	₹30.96		₹30.96	2.5%	CGST	₹0.77	₹32.50
					2.5%	SGST	₹0.77	
TOTAL:							**₹56.88**	**₹1,195.00**

Amount in Words:
One Thousand One Hundred And Ninety-five only

For Varasiddhi Silk Exports:

Authorized Signatory

Whether tax is payable under reverse charge - No

Thank you for your order.

Take Out

Your Order Will Be Ready
Sunday, July 16
at 7:30 PM

China Bistro & Sushi - INTEGRATED
5650 Stirling Road Suites 8 & 9 Hollywood, FL
33021 954-505-4729

Ben Blaine

Order #27597329

MONGOLIAN BEEF
WHITE RICE
NO SPICY

PEKING DUMPLINGS
FRIED
SAUCE

Subtotal:	37.90
Tax:	2.65
Total:	**40.55**
Paid (Mastercard 6926):	-40.55

Your card will be charged by ToGoOrder.com