Yelp Chatbot

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The type of "Chat with your data" application

- Ask about a business
 - Address
 - Hours
 - Reviews
 - Stars
 - Tip



Data in the aplication

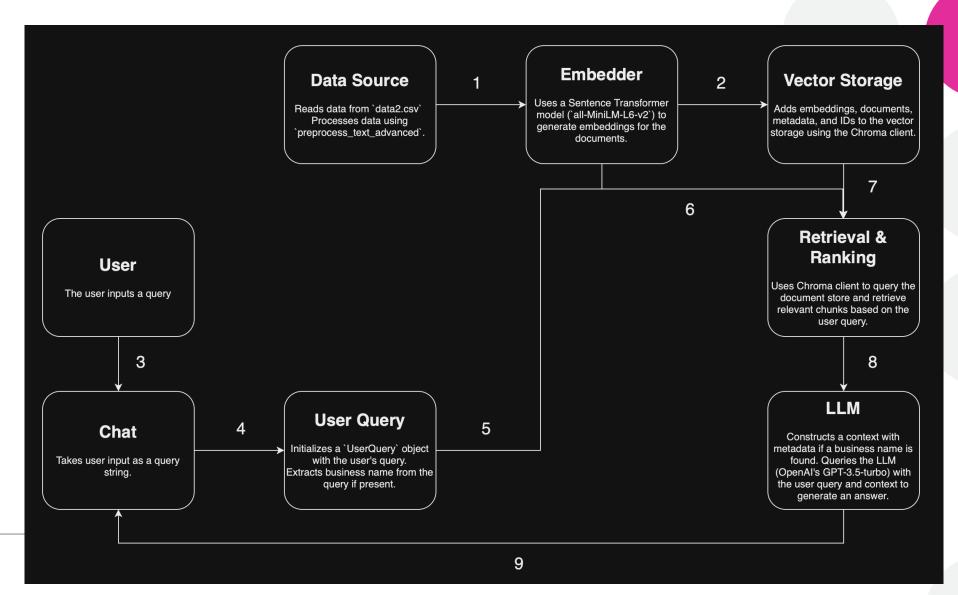
- Data from Yelp
- Reviews and information from different businesses in USA
- 3 DataFrames (business, tip, review)
- Focus in a specific state



Processed data

	business_id	name	address	city	state	postal_code	latitude	longitude	review_count	categories	hours	tips	reviews	stars
84972	Fqu9rcO01satJfng4ODy_g	Glenmorgan Bar & Grill	593 E Lancaster Ave	St. Davids	PA	19087	40.040922	-75.366226	78	American (Traditional), Restaurants, Bars, Ame	{'Monday': '12:0-21:0', 'Tuesday': '12:0-21:0'	I love their happy hour half-priced drinks an	if you haven't had a lobster roll in the area	3.197674
80521	kOmkws5yAqasJbtpfBptcQ	The Gellman Team	2203 S Big Bend Blvd	Saint Louis	МО	63117	38.620113	-90.321901	9	Home Services, Real Estate Services, Real Esta	{'Monday': '0:0- 0:0', 'Tuesday': '0:0-0:0', 'W	NaN	Neil Gellman got our home sold and masterfully	4.555556
73434	kLfkz8Rj74XB67w06iV-7Q	7-Eleven	5457 E Pima St	Tucson	AZ	85712	32.243854	-110.875846	6	Food, Coffee & Tea, Grocery, Convenience Stores	{'Monday': '0:0- 0:0', 'Tuesday': '0:0-0:0', 'W	NaN	Great spot , friendly employees , easy ingress	2.166667
34555	oFxKFiDkP_lGaFAzvnzZfA	Corner Bistro	4993 Loughborough Ave	Saint Louis	МО	63109	38.571832	-90.287621	224	Restaurants, Italian, Bistros, American (New),	{'Monday': '16:0-22:0', 'Tuesday': '16:0-22:0'	That's the best burger I've ever had! Get the	One of our favorite restaurants and locally. I	4.709957
31266	_CfOGOGryKczkDS7JluT0A	Beauty Depot	3120 E Hillsborough Ave	Tampa	FL	33610	27.996464	-82.425077	11	Shopping, Cosmetics & Beauty Supply, Beauty &	{'Monday': '8:30-20:30', 'Tuesday': '8:30-20:3	NaN	I give this store 2 stars, I would have given	2.909091
40930	U-RftQot8VGlNqQvxLjV2A	Simply Art Studios	4022 Tampa Rd, Ste 5	Oldsmar	FL	34677	28.035068	-82.654840	6	Event Planning & Services, Education, Art Scho	{'Tuesday': '12:0-19:0', 'Wednesday': '12:0-19	NaN	Simply Art is a new art studio in north Pinell	4.500000
83325	INvhTTJE8V5pKKnGCMd0iw	Christina Kantrud - State Farm Insurance Agent	1665 Lakeside Dr, Ste 101	Reno	NV	89509	39.507602	-119.807564	10	Financial Services, Insurance, Home & Rental I	{'Monday': '9:0- 17:30', 'Tuesday': '9:0- 17:30'	Awesome people work here! Awesome service!	I worked with Alexandria McKay. She was super	4.200000

Diagram



Chroma Document Store

Chroma is an open source vector database capable of storing collections of documents along with their metadata, creating embeddings for documents and queries, and searching the collections filtering by document metadata or content. Additionally, Chroma supports multi-modal embedding functions.

Steps:

- 1. Initialization of the Chroma Client
- 2. Collection Management
- 3. Preparation of Documents, IDs, and Metadata
- 4. Generation of Embeddings
- 5. Storage in the Document Store



Result

Try

main(data_source, document_store) Enter your query (or type 'exit' to quit): What is the address of "Glenmorgan Bar & Grill"? User Query: What is the address of "Glenmorgan Bar & Grill"? Answer: The address of "Glenmorgan Bar & Grill" is 593 E Lancaster Ave, St. Davids, PA 19087. Enter your query (or type 'exit' to quit): Tell me the categories of "The Gellman Team" User Query: Tell me the categories of "The Gellman Team" Answer: The categories of "The Gellman Team" are Home Services, Real Estate Services, Real Estate, Real Estate Agents. Enter your query (or type 'exit' to quit): What are the hours of "Corner Bistro"? User Query: What are the hours of "Corner Bistro"? Answer: The hours of "Corner Bistro" are as follows: Monday: 4:00 PM to 10:00 PM - Tuesday: 4:00 PM to 10:00 PM - Wednesday: 4:00 PM to 10:00 PM - Thursday: 4:00 PM to 10:00 PM - Friday: 4:00 PM to 10:00 PM - Saturday: 4:00 PM to 10:00 PM Enter your query (or type 'exit' to quit): ht for history

Ave

Print data for queries

df business_id latitude longitude review_count name address city state postal_code categories hours tips reviews stars American {'Monday': I love their if you haven't Glenmorgan Bar & 593 E St. (Traditional), '12:0-21:0', happy hour--Fqu9rcO01satJfng4ODy_q 78 had a lobster roll 3.197674 84972 19087 40.040922 -75.366226 Grill Davids 'Tuesday': half-priced Lancaster Ave Restaurants, in the area ... Bars, Ame... '12:0-21:0'... drinks an... Home Services, {'Monday': '0:0-Neil Gellman got 2203 S Big Saint Real Estate 80521 kOmkws5yAgasJbtpfBptcQ The Gellman Team MO 63117 38.620113 -90.321901 9 our home sold 4.555556 0:0', 'Tuesday': Bend Blvd Louis Services, Real '0:0-0:0', 'W... and masterfully... Esta... Food, Coffee & Great spot, {'Monday': '0:0-Tea, Grocery, friendly 73434 kLfkz8Rj74XB67w06iV-7Q 7-Eleven 5457 E Pima St Tucson ΑZ 85712 32.243854 -110.875846 0:0', 'Tuesday': 2.166667 employees, easy Convenience '0:0-0:0', 'W... Stores ingress... Restaurants, {'Monday': That's the best One of our Italian, Bistros, '16:0-22:0', burger I've favorite MO 63109 38.571832 -90.287621 224 4.709957 34555 oFxKFiDkP_IGaFAzvnzZfA Corner Bistro Loughborough Louis ever had! Get American 'Tuesday': restaurants and

(New),...

'16:0-22:0'...

the ...

locally, I...

Thank you!