
STELLA

INHERIBOT



vectara

InheriBot

Team



Stella

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Problem!

- Lack of easy access to information about inheritance in Islamic law
- Difficulty in understanding Quranic verses and interpretations
- Need for a comprehensive and user-friendly solution for retrieving inheritance information based on authentic sources

Solution

- InheriBot: A web application for searching and retrieving information about inheritance in Islamic law
- Provide responses and scores based on different scoring models.
- User-friendly interface for easy access to inheritance information.

Market Size



- B2C: Individual users can use the app for guidance



- B2B: Legal domains and companies can buy it

Review Stream

- Premium model: Basic access to search and get response for free, premium features for advanced search
- Subscription model: Monthly or yearly subscriptions for access to premium features

Future Work/Backlogs

- Integration of more sources
- Expansion of features and functionality like open source Quran API integration
- Improvements to the user interface and user experience

Process



InheriBot



Technologies Used

- Vectara
- Llama Index – Llama Parse
- HHEM Model
- Tonic Validation
- Open AI
- Reranking Model

Llama Index - Llama Parse

```
from llama_parse import LlamaParse
from llama_index.core import SimpleDirectoryReader

parser = LlamaParse(
    api_key="Llama Cloud API Key",
    result_type="markdown"
)

file_extractor = {".pdf": parser}
reader = SimpleDirectoryReader("./data", file_extractor=file_extractor)
documents = reader.load_data()
```

```
Started parsing the file under job_id b56b9f61-f039-4b86-b18a-56649b7c924e
.Started parsing the file under job_id 2eeb5145-e5eb-4a22-affc-01d03056bcc3
..Started parsing the file under job_id c286110c-c154-41a1-860d-15680c971cb0
.Started parsing the file under job_id 8a390b46-913b-4fd6-aa12-0da80005a07b
.Started parsing the file under job_id 870098cf-15db-4de8-a5c2-43fff6ac9212
Started parsing the file under job_id 64b92a41-f408-4bca-89e2-d8c95a518f96
...Started parsing the file under job_id 9e306f1b-e060-422d-a81d-eac7bba849f7
.Started parsing the file under job_id bb3097f9-d4dd-4645-8512-daafa67b919b
```

Vectara Ingest API & Indexing

Corpus: Hackathon ID: 4 Enabled No job in progress Size: 205.3 KiB Actions

[Data](#) [Query](#) [Analytics](#) [Access control](#) [Configuration](#) [Take a tour](#)

Data

Data is stored in a corpus as documents. [Learn more](#)

<input type="checkbox"/> ID
<input type="checkbox"/> 002b43980f67be85085a4b9afca0caac079cdb46b4509495b8f4e0ef5311f395
<input type="checkbox"/> 00481ccccbb3cbcec0c01bd91fef42c4f6c2ea9ee372ac7b7bdf5cd2a63b2a56
<input type="checkbox"/> 005303b3edf3b934a6bb62ac489e41beae22f0d3722ca7c9e6e89509bba35b89
<input type="checkbox"/> 00b9c12b557bb13b11eb8eccfd5cab5df76897a43b16353b12e4edfae421c577
<input type="checkbox"/> 00d56aa7aab155a5056c59042c4d8a46d5c6c6e50d218d20c6eb67e614a943ef
<input type="checkbox"/> 0171fe3d24d5ecbf1e5d38e3c916636f3d5438bb8cd7361e8215cf886e327b6c
<input type="checkbox"/> 0176d54f89fb8b0ac03a4bc9f767af635aba293f7e72b7d37b7af6212d5e589
<input type="checkbox"/> 0178d049aa18b1114b5d53c666401e055a4efa14da78a49574103fc0c5664127
<input type="checkbox"/> 01ac774a6b5a8b1093c073ad42e62314e86f8d2d17cdb4d93941537e61a97f60
<input type="checkbox"/> 026420c9b52a66e22dafc10ff8bedad4e15a2fdfb7833bc19bcc39e68e457d791

Document details

ID

0178d049aa18b1114b5d53c666401e055a4efa14da78a49574103fc0c5664127

Metadata

file_path	/content/data/Islam.pdf
file_name	Islam.pdf
file_type	application/pdf
file_size	579575
creation_date	2024-04-19
last_modified_date	2024-04-19

JSON

```
{
  "id": "0178d049aa18b1114b5d53c666401e055a4efa14da78a49574103fc0c5664127",
  "metadata": {
    "file_path": "/content/data/Islam.pdf",
    "file_name": "Islam.pdf",
    "file_type": "application/pdf",
    "file_size": "579575",
    "creation_date": "2024-04-19",
    "last_modified_date": "2024-04-19"
  }
}
```

Vectara vs Vectara + Llama Parse

```
response_1 = query_engine.query(query)
print("\n*** Vectara + LlamaParse ***")
print(response_1)
```

```
response_2 = qe1.query(query)
print("\n*** Vectara Native ***")
print(response_2)
```

```
*** Vectara + LlamaParse ***
```

When a Muslim dies, four duties need to be performed. These duties include the payment of funeral expenses, payment of his.

```
*** Vectara Native ***
```

When a Muslim dies, there are four main duties that need to be performed according to Islamic law. These duties include th

HHEM Model



InheriBot

What duties needs to be performed when muslim dies ?

Submit

Question: What duties needs to be performed when muslim dies ?

Answer: When a Muslim dies, there are four main duties to be performed according to traditional Sunni Islamic law. These duties include the payment of funeral expenses, settling the deceased's debts, executing their will, and distributing the remaining estate among the heirs in accordance with Sharia law [1]. It is important that these duties are carried out properly and in accordance with Islamic principles to ensure the deceased's affairs are settled appropriately.

HHEM Score: 0.732

Tonic Validation



InheriBot

What duties needs to be performed when muslim dies ?

Submit

Question: What duties needs to be performed when muslim dies ?

Answer: When a Muslim dies, there are four main duties to be performed according to traditional Sunni Islamic law. These duties include the payment of funeral expenses, settling the deceased's debts, executing their will, and distributing the remaining estate among the heirs in accordance with Sharia law [1]. It is important that these duties are carried out properly and in accordance with Islamic principles to ensure the deceased's affairs are settled appropriately.


HHEM Score: 0.732

Score...

View Visualization



Tonic Validation



Hackathon

ID: 0b7e276f-0d80-4c82-b988-a2d30293d30d

[Edit Name](#) [Copy ID](#) [Delete](#)

[Show Project Overview >](#)

Latest Runs

Search for a run by its tag

- [Updated 2 hours ago](#)
April 19, 2024 14:52 [>](#)
- [Updated 3 hours ago](#)
April 19, 2024 13:54 [>](#)
- [Updated 4 hours ago](#)
April 19, 2024 13:20 [>](#)

Run: 2baf50aa-e8d5-4707-bcfd-86517c1e5a1e

[Delete](#)

[Overview](#) [Scores](#) [Metadata](#) [Questions & Answers](#)

1 Question with Answer

Question

What duties need to be performed when Muslim dies?

Reference Answer

These are : payment of funeral expenses, payment of his/her debts, execution his/her will, distribution of remaining estate amongst the heirs according to Sharia

LLM Response

When a Muslim dies, four duties need to be performed. These duties include the payment of funeral expenses, payment of his/her debts, execution of his/her will, and the distribution of the remaining estate amongst the heirs according to Sharia.

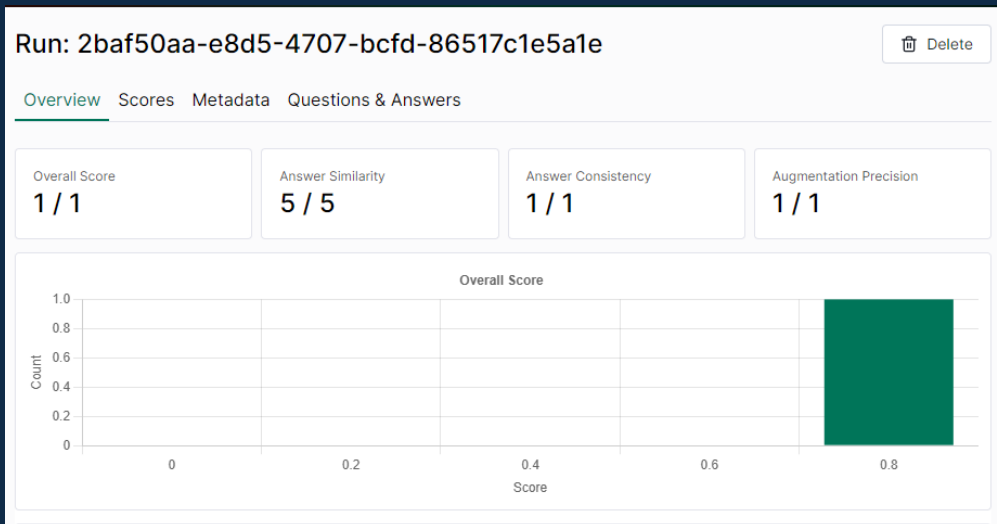
Retrieved Context

The Islamic Laws of Inheritance Bismillaahir Rahmaanir Raheem by Dr. Abid Hussain Courtesy Of: Islaam.com Source: Tibyan.com This article gives an overview of the Islamic laws of inheritance with the aim of increasing the awareness of the Muslim community living in the west regarding this important aspect of Islamic law. The scope of this article is confined to

Tonic Validation

Overview **Scores** Metadata Questions & Answers

Question	overall_score	answer_similarity	answer_consistency	augmentation_preci...
What duties ne...	1	5	1	1



Demo

https://drive.google.com/file/d/1N0m6NdVmn-17d1IK68dRspuaPkGjoV_A/view?usp=sharing

Thank You!
