



Meet Priya

A reimagined US Immigration
personal assistant

Meet The Team



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The Problem & Target Audience



Mai wants help filing documents to visit America but she **doesn't speak English**



Kevin has to file his CPT documents urgently but his school's **visa office is out on holiday**

The Problem & Target Audience



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Annually there are:

- **22.1 million** international arrivals
- **1.08 million** international students
- **483,927** total registration for the H1B visa

Emma vs Priya

Need Help? **Ask Emma** >



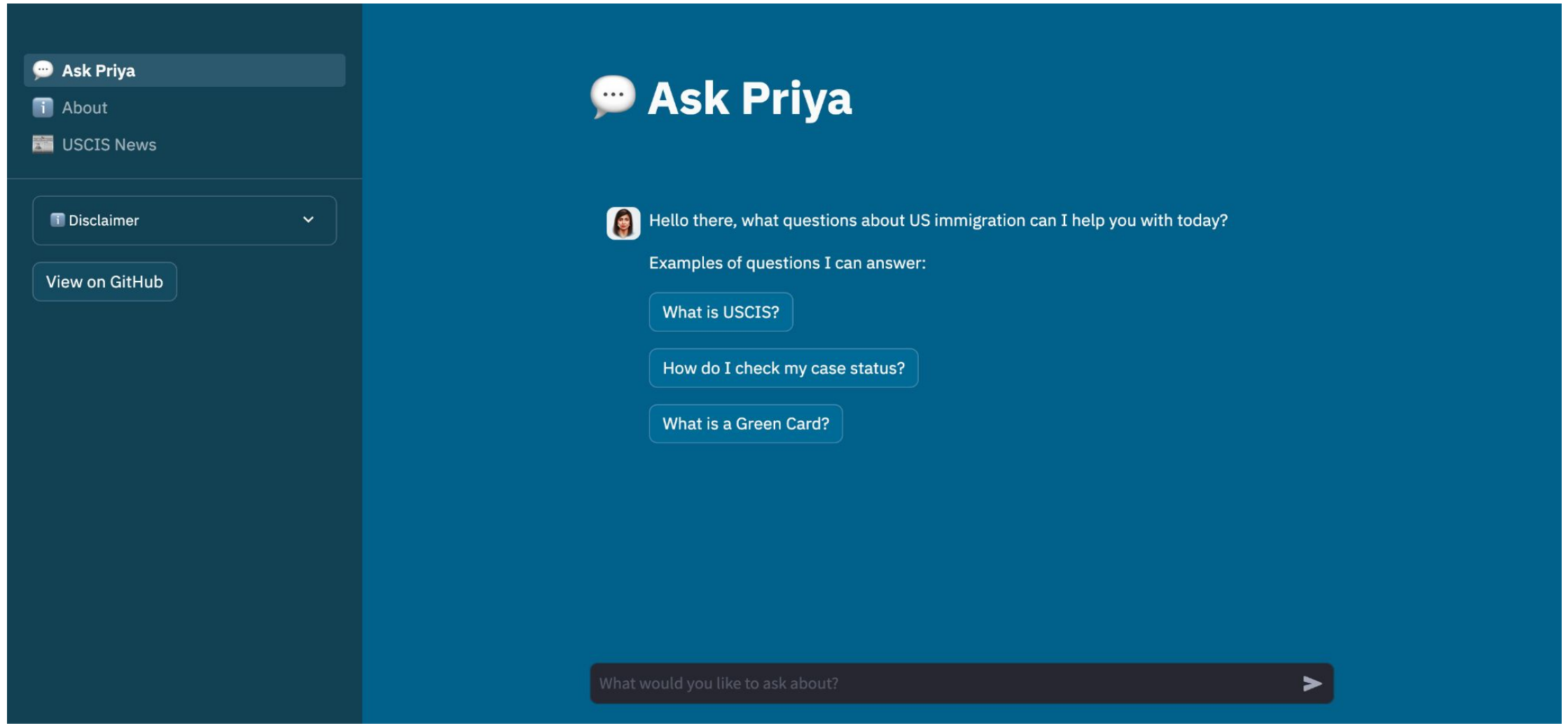
X Formulaic chat, with users picking from a menu of choices. Answers are imprecise and unhelpful

Need Help? **Ask Priya**



✓ Much more of a 'dialogue' experience, with precise/accurate answers

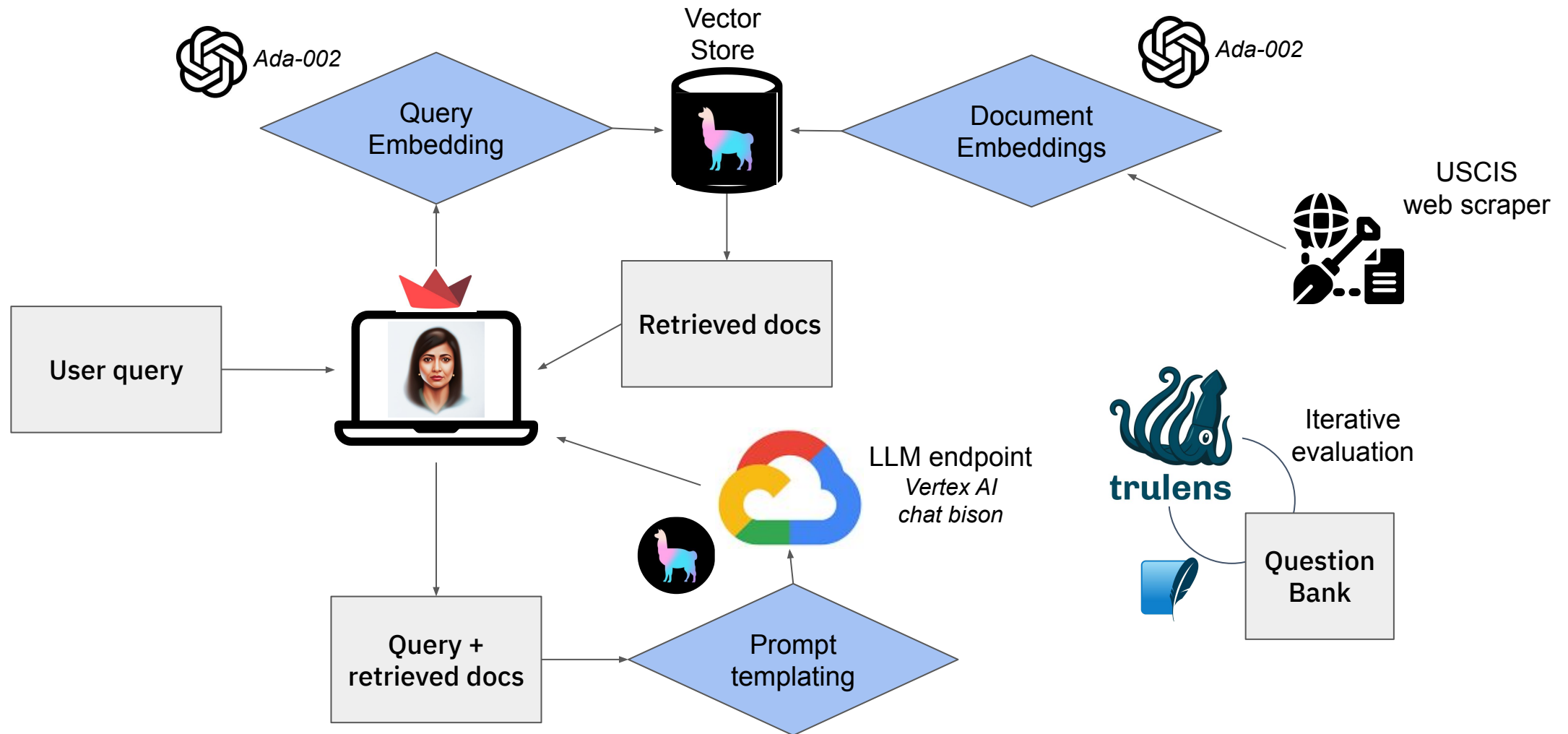
Demo Time



The screenshot shows a chat interface for 'Ask Priya'. On the left is a dark sidebar with navigation links: 'Ask Priya' (with a speech bubble icon), 'About' (with an 'i' icon), 'USCIS News' (with a newspaper icon), 'Disclaimer' (with an 'i' icon and a dropdown arrow), and a 'View on GitHub' button. The main area has a blue background with the 'Ask Priya' header and a chat bubble icon. A message from Priya says: 'Hello there, what questions about US immigration can I help you with today?'. Below this, it says 'Examples of questions I can answer:' followed by three buttons: 'What is USCIS?', 'How do I check my case status?', and 'What is a Green Card?'. At the bottom, there is a dark input field with the placeholder text 'What would you like to ask about?' and a right-pointing arrow.

<https://askpriya.streamlit.app/>

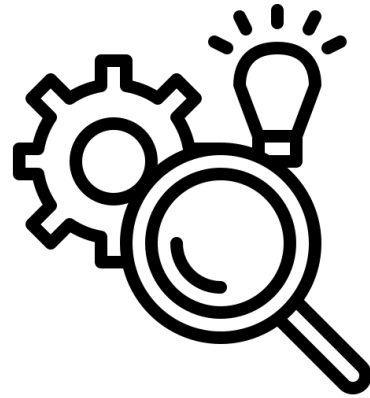
High Level Systems Design



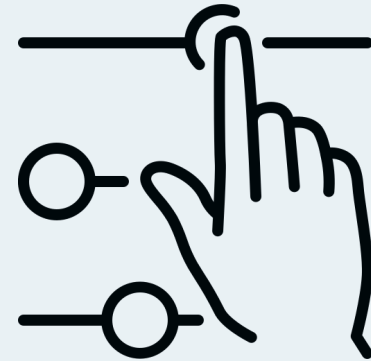
Trulens Evaluations 3 ways



**Establish baseline
performance**




**Ad hoc
evaluations**



**Custom feedback
functions**

1. Establish Baseline Evaluation



trulens

Leaderboard

Apps

Evaluations

Progress

trulens_eval 0.18.3

App Leaderboard

Average feedback values displayed in the range from 0 (worst) to 1 (best).

emma

Records	Average Latency (Seco...	Total Cost (USD)	Total Tokens	Answer Relevance	Select App
46	0	\$0	0	0.33 ● low	Select App

priya

Records	Average Latenc...	Total Cost (USD)	Total Tokens	Groundedness	Answer Relevance	Context Releva...	Select App
46	1.48	\$0.12	79.89k	0.54 ● low	0.99 ✓ high	0.71 ⚠ medium	Select App

2. Ad hoc Evaluations

Can a person on OPT travel outside the U.S. with an expired visa stamp?

Yes, a person on OPT can travel outside the U.S. with an expired visa stamp. It is important to note that if the person's H-1B petition and change of status pending while they are outside the U.S., the request for change of status is considered abandoned. Therefore, it is advisable to seek readmission to the H-1B employment begins and ensure that all necessary documents are submitted. A final determination on admission is made by a U.S. Customs and Border Protection officer at the port-of-entry.

Sources: [Extension of Post Completion Optional Practical Training \(OPT\) and F-1 Status for Eligible Students under the H-1B Cap-Gap Regulations](#), [Extension of Post Completion Optional Practical Training \(OPT\) and F-1 Status for Eligible Students under the H-1B Cap-Gap Regulations](#)

Development Mode Insights

Development Mode Insights

```
{
  "Answer Relevance Score" : [
    0 : 1
    1 : {
      "reason" :
      "Criteria: Relevance to the entire prompt
      Supporting Evidence: The response directly addresses the question asked in the prompt, providing information about whether a person on OPT can travel outside the U.S. with an expired visa stamp. It also provides additional context about the implications of traveling with an expired visa stamp, such as the potential abandonment of a change of status request."
    }
  ]
}
```

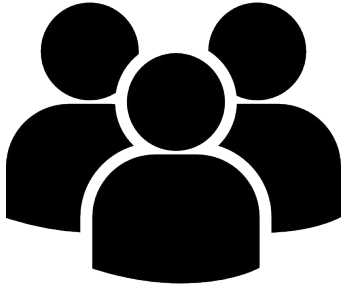


3. Custom Feedback Functions - Language Match

Records	Average Latency (Seco...	Total Cost (USD)	Total Tokens	Language Match
46	5.7	\$0.09	60.47k	0.89 ✓ high

Matches language of user query to LLM answer. There is room for improvement!

Future Direction



Roll out to more users



More Google Cloud



Try fine-tuning on top of RAG