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Team Name: Alpha Coders

Team Leader name: Punya Modi

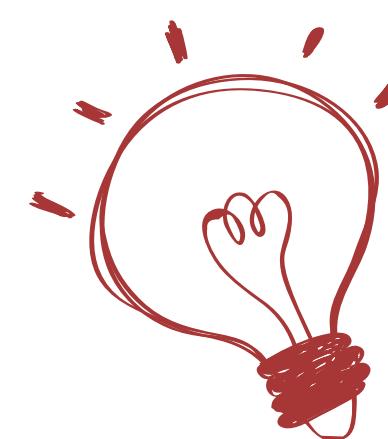
Team Members Name: Vikas Kaushik

Sayed Uzer

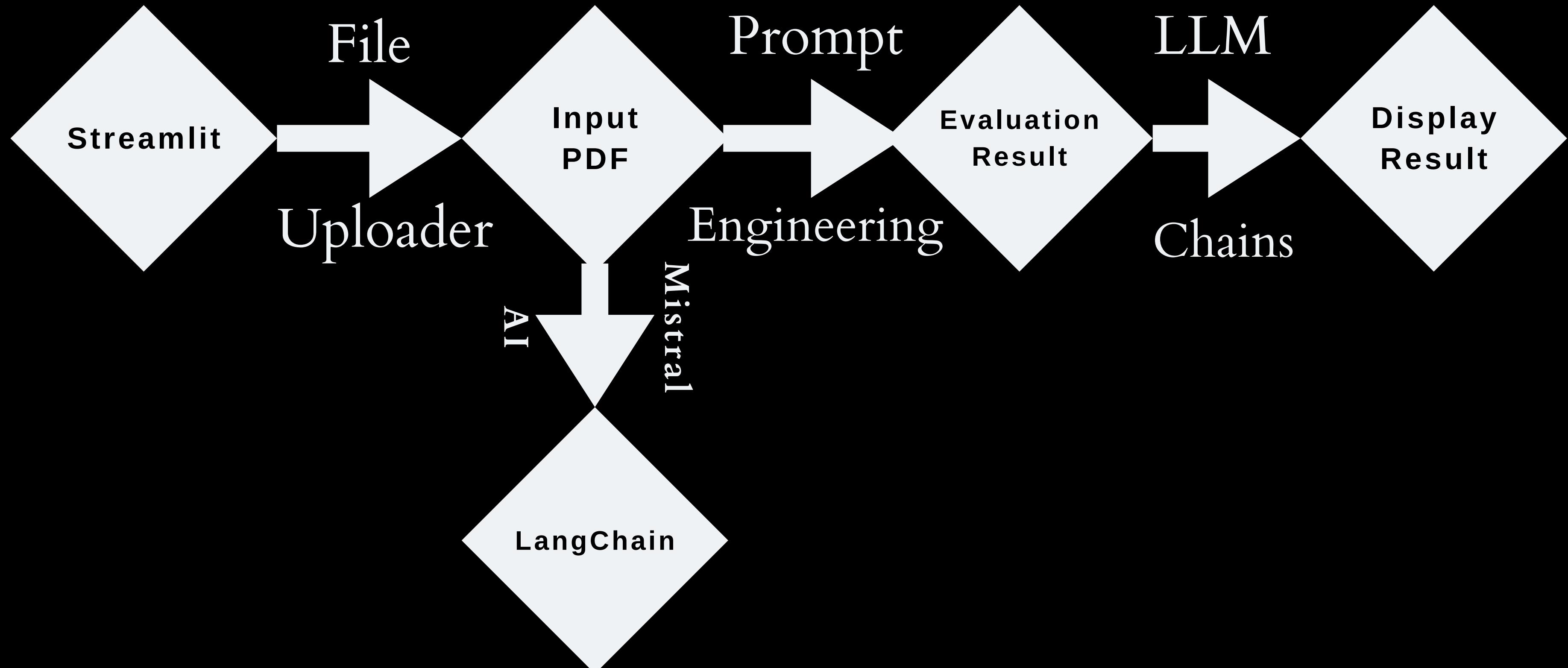
Agam

Problem Statement Category: Foundation

Problem Statement: Catalogue scoring



Architecture and Design for the innovative solution



Tech Stack:-

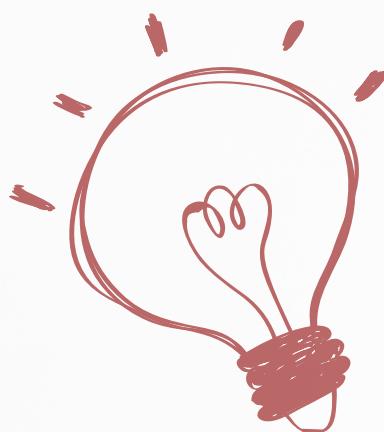
- Streamlit
- Python GCC
- Langchain
- Ollama
- LLMS
- pypdf2



Define customization and deployment options of your solution.

Customization Options: Buyers can tailor assessment parameters like compliance, correctness and completeness to their needs, adjust parameter weightage and seamlessly integrate with existing platforms for scalability.

Deployment Options: Choose cloud deployment for scalability and accessibility, integrate via APIs for real-time assessment or opt for on-premise deployment for enhanced data control and security.



Test cases and data which the eval criterion can be accessed

Evaluation criteria can be assessed against any catalogue whose file format is .pdf (with file size \leq 200 mb). The sample data should include catalogues that have words and not pictures only.



Demonstrate working of the solution

The catalogue scoring mechanism is built using Streamlit, an open-source Python framework for machine learning and data science. It imports LLMs from the Langchain community, Ollama, and the dolphin-mistral AI model from the hugging face pipeline. The def_model(text) function summarizes text input, while the display pdf function takes PDF files as input. The base_64 function opens files from the path, while the PdfReader function reads PDF input from the user. The catalogue is assumed to be in PDF format.





Complex analysis through LLM



It can take input of large file size(even upto 200 mb). It has been trained with a large dataset.

USP

Preprocessing time is minimum.
App takes standard time required for running streamlit



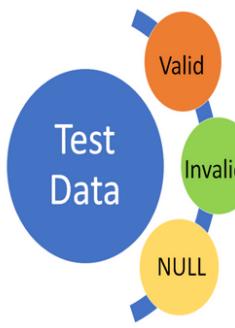
Easy to use interface

Important Links:-



1- Github Repository Link

[Github Alpha Coders](#)



2- Link to test cases and data files

[Testcases](#)



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THANK YOU

-:ALPHA CODERS:-

