

Research Codey AI



PROBLEM ?

- Students and researchers find it very difficult to read full pdf and find relevant info. And there no platform where they can generate code and see insights of research paper.



SOLUTION

- We provide a solution in which Students and PhD researcher can generate Code and get pdf insights at the same place.



Our Target Audience



Research students and Professors

- We want to automate the process of code generation and get research doc for the PHD aspirants who wants to get answers from doc without reading it.
- They can also generate Code and helping them in their research.

Software Engineers/ Developers

- Sometimes SRS document is given to developers to start the code. The developer can upload the doc and get the relevant information without reading the full document.
- Also the platform will help in Code-assist, writing functions and logic building.

PROPOSED SOLUTION

01

Real-Time Code Generation:

- Efficient Code Generation

02

Flexibility:

- Flexibility in recreating custom Code and pdf insights

03

Unique Selling Point:

- Code generation and PDF analysis at same point
- Developers can use SRS document to analyze it and write code according to it.

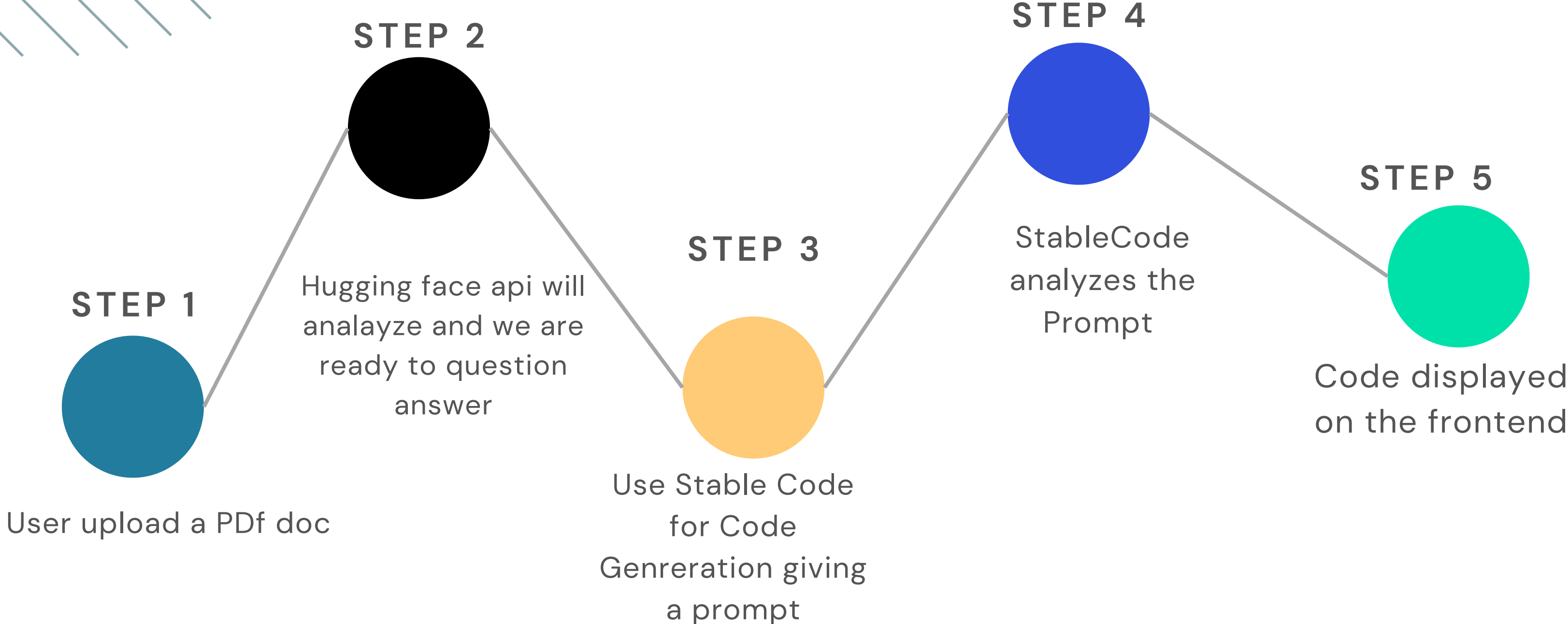


TECHNOLOGIES USED

- We are using **Python** for the **backend**
- We are using Fast API to get Code generated by StableCode
- we are using **Hugging face api** to get insights from pdf (QuestionAnswer)
- Refine the prompt answer the get better results(Future)
- Using **StableCode** model for prompt to Code Generation.
- We are using **streamlit** for the **front-end**



PROCESS & WORKFLOW



REVENUE STREAMS

- **FREE Basic Plan:**

Cost: $\$0.088$ (per doc) * 5 (document) = **$\$0.44$ per month** (our cost)

Features: Customers can ask insights about 5 docs per month

Cost of Code Generation: **10 functions** generated free per month

- **Pro Plan** – Per Doc Cost: Cost: $\$0.088$ (per doc) * 50 (docs) = **$\$4.40$ per month** (our cost)

Cost: $\$10$ per month per customer

Features: Customers can create 50 docs per month

Profit Margin: $10\$ - 4.4\$ = 5.6\$$ from one customer

- **Hybrid Yearly Plan:**

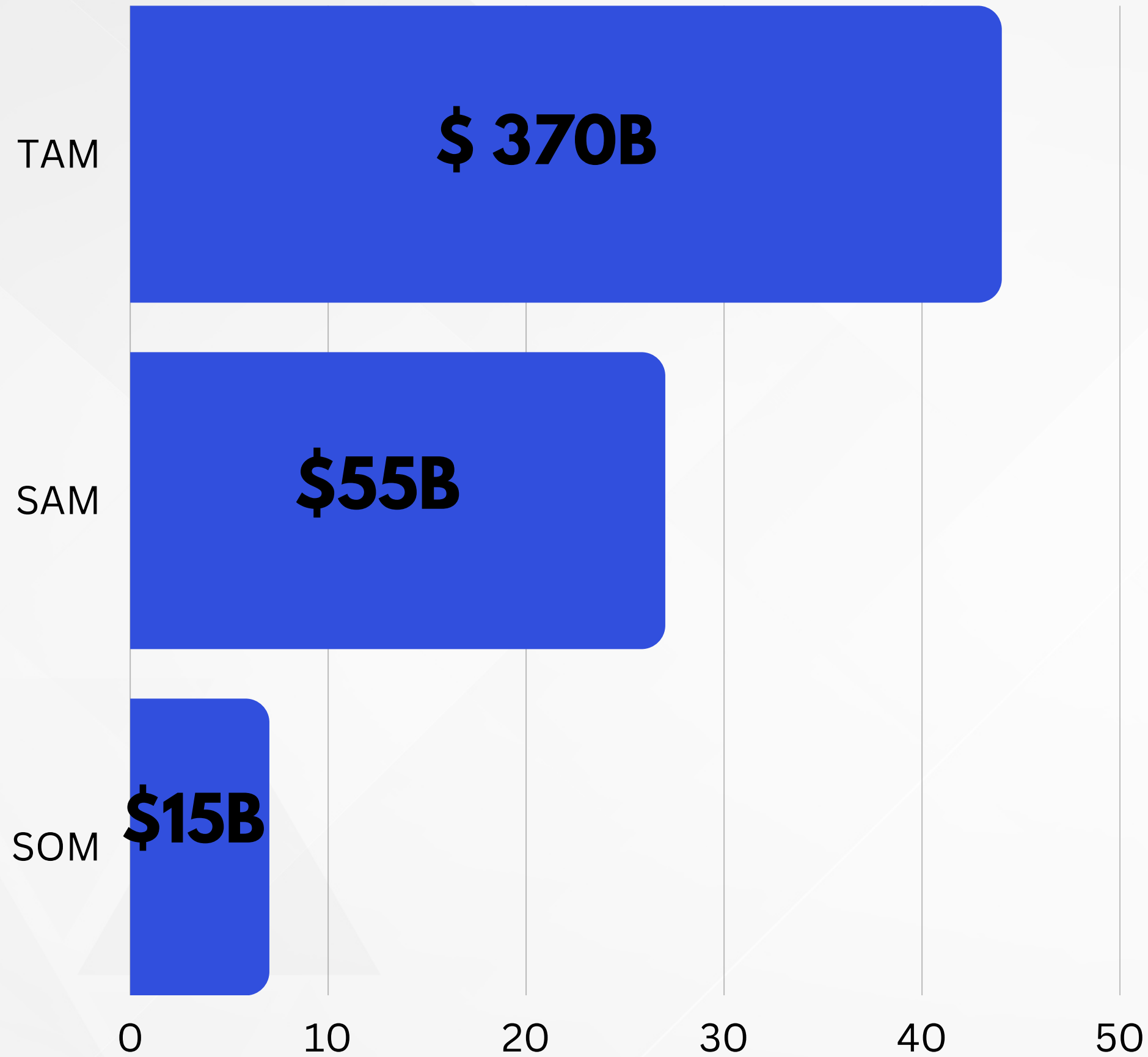
Cost: This plan offers unlimited docs and code (with a cost of **$\$0.088$ per ad**)

Cost of Code generation can vary according to custom plan

**Prices are calculated with the API calls. It can vary if we use different APIs.

MARKET SIZE

**\$2.5 Billion software
industry market cap**



TAM : TOTAL AVAILABLE MARKET

SAM : SERVICEABLE AVAILBLE MARKET

SOM : SERVICEABLE OBTAINABLE MARKET

COMPETITOR ANALYSIS

- AskYourPdf.
- ChatPDF.
- Documind.
- LightPDF.
- PDF.ai.

- Github CoPilot
- SEEK
- Cody by SourceGraph
- OpenAI codex



FUTURE PLANS

- Integration in VS code
- Research paper analysis and to Code
- Using NLP techniques to filter out relevant info for code generation.
- Use advanced algorithms other than StableCode
- Premium Templates and Features



Meet Our Team

Syed Talal Musharraf

Hamna Dawood

Alan Bijo

Insha Yaqoob

DEMO

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 The given context appears to be an excerpt from the Constitution of the United States. It includes sections from Article I and Article V of the Constitution. It mentions the structure of Congress, the power of Congress to propose amendments, and the guarantee of a republican form of government to every state in the union. It also mentions the

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