

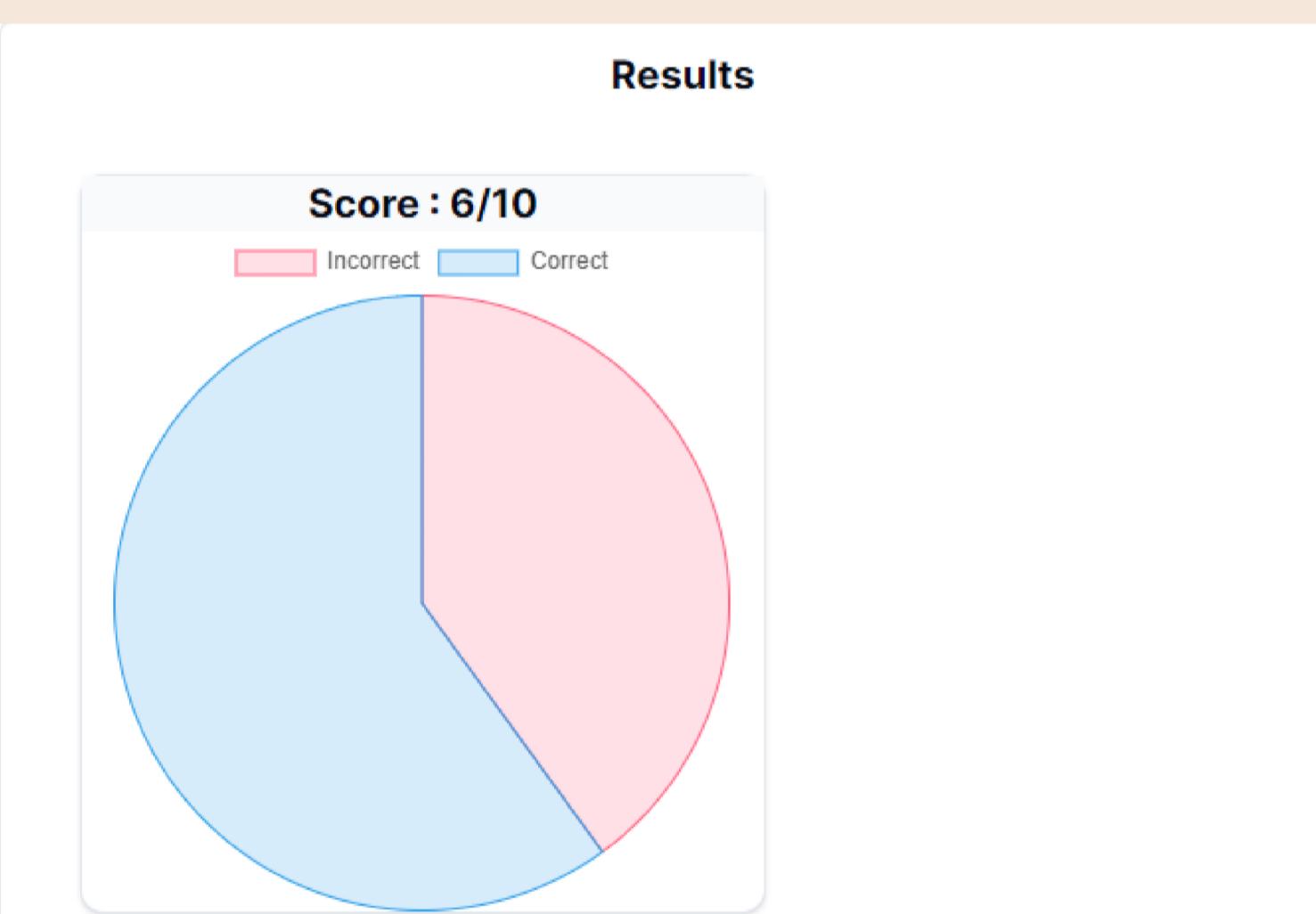


AI Interview Preparation App

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Summary

This project uses ChatGPT to help the user prepare for interviews in **any** industry. The aim is to gamify the experience, eliminating the added pressure of speaking to someone and practising at a difficulty that suits you. This project uses the LLM's corpus to generate questions, saving you from searching through websites and forums for tailored ones relevant to the job you're applying for. The app uses adaptive testing and prompt chaining to generate quizzes catered to your weaknesses and previous incorrect questions.



- Q1. What is continuous integration in DevOps?
- 1) A practice that requires developers to integrate code into a shared repository
 - 2) A method of deploying distributed code
 - 3) A type of software development methodology
 - 4) A form of Agile development

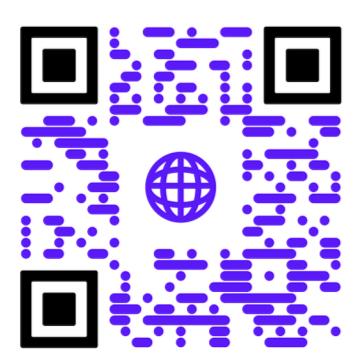
Answer: A practice that requires developers to integrate code into a shared repository

Explanation: Continuous integration is a DevOps practice where developers regularly merge their code changes into a central repository, after which automated builds and tests are run.

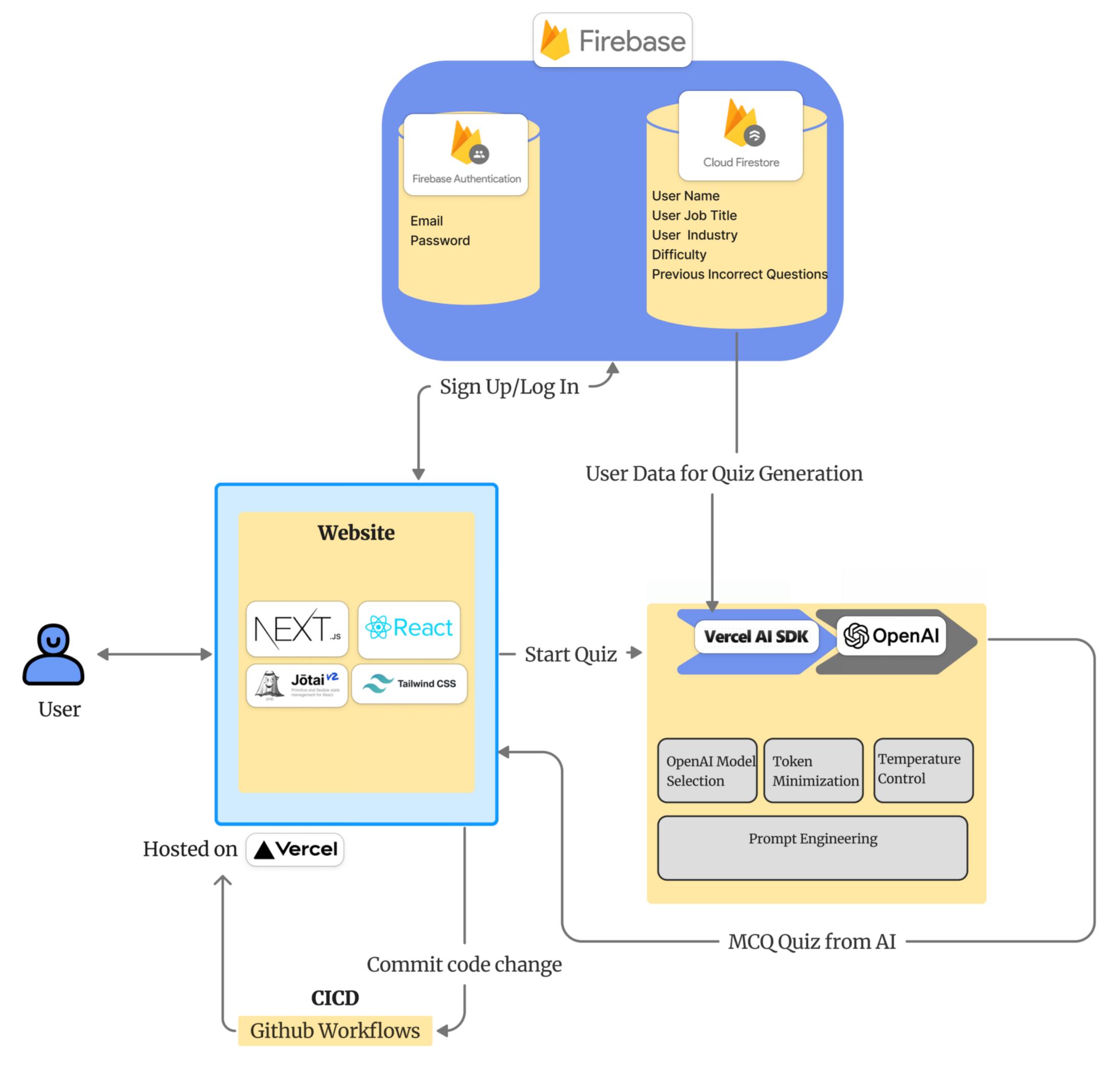
- Q2. What is Docker in DevOps?
- 1) A configuration management tool
 - 2) A containerization platform
 - 3) A version control system
 - 4) A continuous integration tool

Answer: A containerization platform

Explanation: Docker is a platform that uses OS-level virtualization to deliver software in packages called containers. Containers are isolated from each other and bundle their own software, libraries and configuration files.

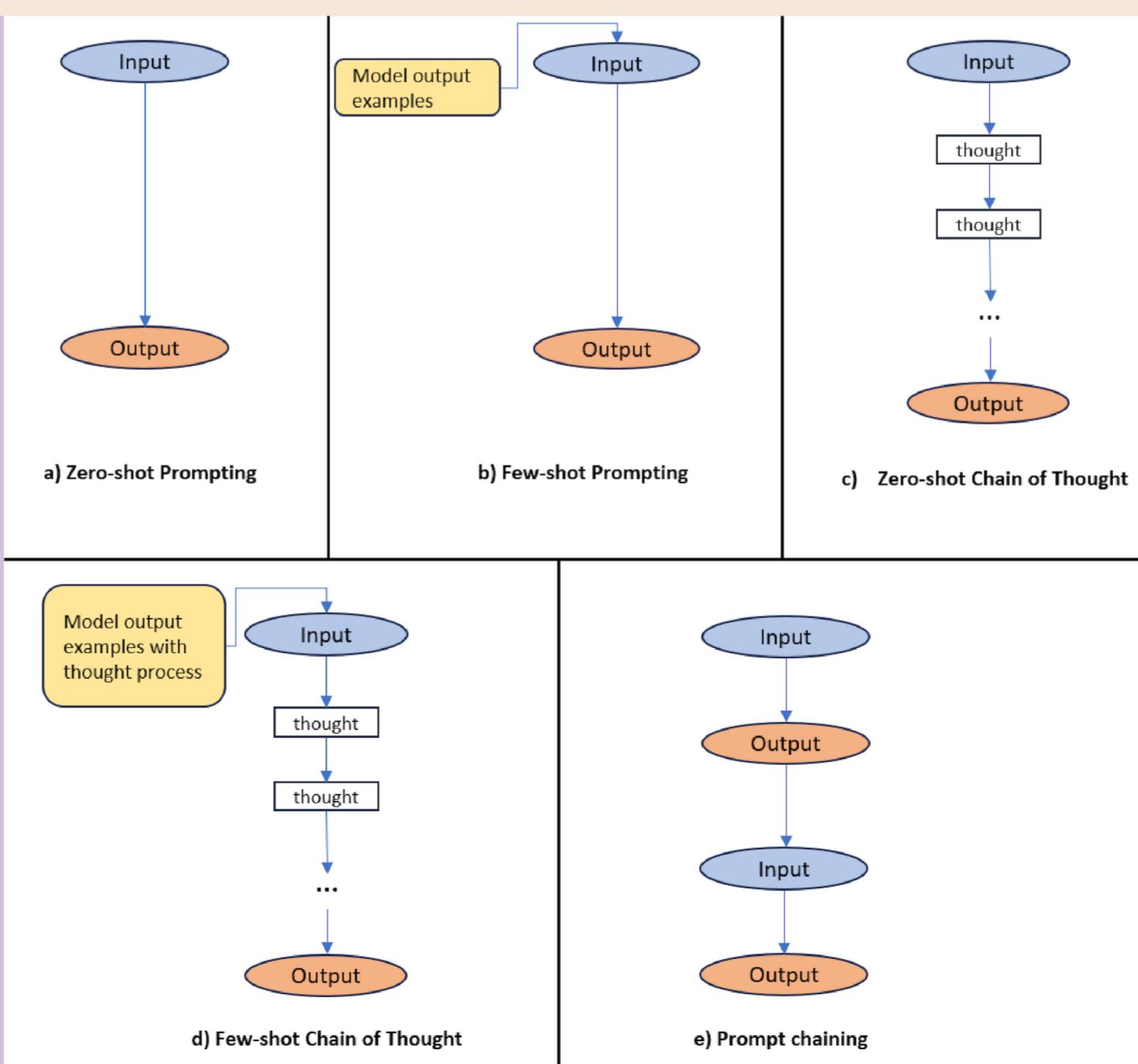


Architecture Diagram



What is Prompt Engineering?

Prompt engineering is a rapidly expanding discipline focused on optimizing prompts to use Large Language Models like ChatGPT efficiently. A prompt is an instruction given to the model, and the quality of the prompt dictates the quality, consistency and fairness of the output. This project explores multiple new paradigms and design patterns to generate quizzes and refuse malicious inputs.



Topics Covered

- Prompt engineering techniques: zero-shot, prompt chaining, few-shot, adversarial, chain of thought.
- Adaptive Testing
- Model Selection: context window, token pricing, model response speed.
- LLM Settings: Temperature, Max Tokens, Top P.
- Full-stack development
- JavaScript
- CI/CD workflow
- PaaS Hosting on Vercel

Tools Used

The website is built with Next.js, React, and TailwindCSS, incorporating Jotai for state management. When users interact with the website, their information stored in the cloud via Firebase Auth and Firestore is inserted into a prompt when they start a quiz. The prompt is sent using VercelAI SDK to OpenAI. The prompt uses few-shot prompting and anti-adversarial instructions for safety.

InterviewAI

Github Docs Take Quiz

Use the Power of AI to Prepare for Your Next Interview as a Cloud Data Engineer

Q: What is the full form of HDFS in the context of Big Data?

High Disk File System

Hadoop Disk File System

High Definition File System

Hadoop Distributed File System

Succesfully created quiz!
Your adaptive quiz is ready