

Accurate Generative-AI-Leader Practice Engine gives you high-effective Exam Quiz - GuideTorrent



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Google Generative-AI-Leader Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Fundamentals of Generative AI: This section of the exam measures the skills of AI Engineers and focuses on the foundational concepts of generative AI. It covers the basics of artificial intelligence, natural language processing, machine learning approaches, and the role of foundation models. Candidates are expected to understand the machine learning lifecycle, data quality, and the use of structured and unstructured data. The section also evaluates knowledge of business use cases such as text, image, code, and video generation, along with the ability to identify when and how to select the right model for specific organizational needs.
Topic 2	<ul style="list-style-type: none">Business Strategies for a Successful Generative AI Solution: This section of the exam measures the skills of Cloud Architects and evaluates the ability to design, implement, and manage enterprise-level generative AI solutions. It covers the decision-making process for selecting the right solution, integrating AI into an organization, and measuring business impact. A strong emphasis is placed on secure AI practices, highlighting Google's Secure AI Framework and cloud security tools, as well as the importance of responsible AI, including fairness, transparency, privacy, and accountability.
Topic 3	<ul style="list-style-type: none">Techniques to Improve Generative AI Model Output: This section of the exam measures the skills of AI Engineers and focuses on improving model reliability and performance. It introduces best practices to address common foundation model limitations such as bias, hallucinations, and data dependency, using methods like retrieval-augmented generation, prompt engineering, and human-in-the-loop systems. Candidates are also tested on different prompting techniques, grounding approaches, and the ability to configure model settings such as temperature and token count to optimize results.
Topic 4	<ul style="list-style-type: none">Google Cloud's Generative AI Offerings: This section of the exam measures the skills of Cloud Architects and highlights Google Cloud's strengths in generative AI. It emphasizes Google's AI-first approach, enterprise-ready platform, and open ecosystem. Candidates will learn about Google's AI infrastructure, including TPUs, GPUs, and data centers, and how the platform provides secure, scalable, and privacy-conscious solutions. The section also explores prebuilt AI tools such as Gemini, Workspace integrations, and Agentspace, while demonstrating how these offerings enhance customer experience and empower developers to build with Vertex AI, RAG capabilities, and agent tooling.

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Google Cloud Certified - Generative AI Leader Exam Sample Questions (Q49-Q54):

NEW QUESTION # 49

A large e-commerce company with a vast and frequently updated product catalog finds that customers struggle to find products on their website, and support agents spend too much time finding detailed product information. The company wants to improve search accuracy and efficiency for both customers and support. What Google Cloud solution should they use?

- A. Pre-built RAG with Vertex AI Search
- B. Vertex AI Natural Language API
- C. Vertex AI Conversation
- D. Vertex AI Model Garden

Answer: A

Explanation:

This scenario strongly points to the need for accurate and up-to-date information retrieval from a product catalog. Pre-built RAG (Retrieval-Augmented Generation) combined with Vertex AI Search is the ideal solution. Vertex AI Search can index the product catalog, and RAG can then use this indexed data to ground the responses of a generative AI model, ensuring that both customer searches and support agent queries retrieve precise and relevant product information.

NEW QUESTION # 50

A development team is configuring a generative AI model for a customer-facing application and wants to ensure the generated content is appropriate and harmless. What is the primary function of the safety settings parameter in a generative AI model?

- A. To filter out potentially harmful or inappropriate content from the model's output based on the desired level of filtering.
- B. To limit the maximum text length that the model generates by ensuring concise responses.
- C. To control the creativity and randomness of the model's output by adjusting the diversity of word choices.
- D. To determine the number of tokens the model can process at once by influencing the complexity and length of inputs and outputs.

Answer: A

Explanation:

Safety settings in generative AI models are specifically designed to prevent the generation of content that could be harmful, offensive, or inappropriate. This includes filtering for categories like hate speech, sexually explicit content, self-harm, and violence, based on

predefined thresholds. Options A, B, and D refer to other parameters like `max_output_tokens` or `temperature`, which control output length, input/output processing, and creativity, respectively, not safety.

NEW QUESTION # 51

What does Vertex AI Search enable companies to do?

- A. To surface the most popular and frequently accessed content based on global user search patterns and trends.
- B. To ground LLM responses with first-party data, third-party data, and Google's knowledge graph.
- C. To compare products from numerous online retailers, allowing users to find the best deals and product options across the internet.
- D. To index and retrieve information from the entire public web, providing a comprehensive view of publicly available data.

Answer: B

Explanation:

Vertex AI Search is designed to enable powerful search experiences over an organization's own data (first- party), external data (third-party), and can leverage Google's knowledge graph to provide more relevant and accurate responses, especially when grounding Large Language Models (LLMs). It does not index the entire public web like Google Search.

NEW QUESTION # 52

A financial institution uses generative AI (gen AI) to approve and reject loan applications, but gives no reasons for rejection. Customers are starting to file complaints. The company needs to implement a solution to reduce the complaints. What should the company do?

- A. Implement explainable gen AI policies.
- B. Collect a larger and more diverse dataset for the gen AI model.
- C. Develop fairness assessments for the gen AI model.
- D. Fine-tune the gen AI model.

Answer: A

Explanation:

The core problem is the lack of reasons for rejection, leading to customer complaints. This falls under the domain of explainable AI (XAI). Implementing explainable gen AI policies or mechanisms would allow the institution to provide transparency into how the AI made its decision, addressing the customer complaints directly. While other options might improve the model, they don't directly solve the transparency issue.

NEW QUESTION # 53

A company has a machine learning project that involves diverse data types like streaming data and structured databases. How does Google Cloud support data gathering for this project?

- A. Google Cloud relies on Vertex AI to connect to external data.
- B. Google Cloud provides tools such as Pub/Sub, Cloud Storage, and Cloud SQL.
- C. The Gemini app is the primary Google Cloud tool for directly collecting data.
- D. Google Cloud's strengths are in the data analysis tools such as BigQuery.

Answer: B

Explanation:

Google Cloud offers a comprehensive suite of services for data ingestion and storage. Pub/Sub is for streaming data, Cloud Storage for various file types (including unstructured), and Cloud SQL for relational structured databases. These are fundamental for gathering diverse data. Gemini is a model, BigQuery is for analysis, and Vertex AI is for ML platform, not primary data collection tools themselves.

NEW QUESTION # 54

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