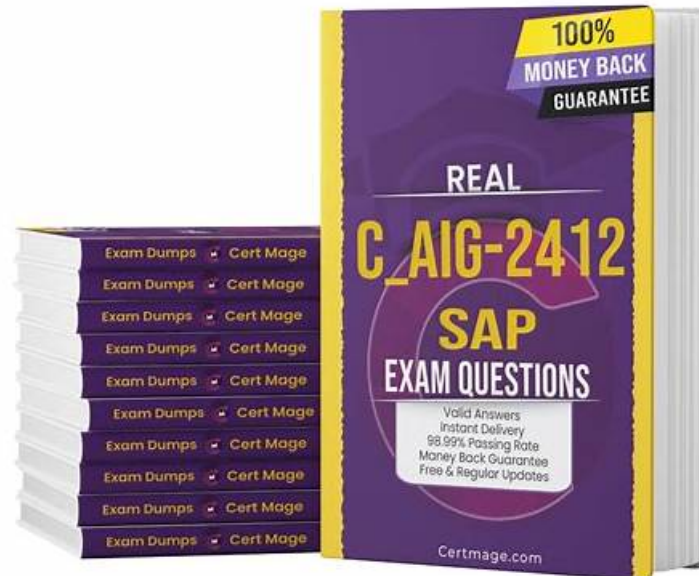


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SAP C_AIG_2412 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Large Language Models (LLMs): This section of the exam measures the skills of AI Developers and covers the practical use of large language models in SAP environments. Candidates are expected to understand how LLMs can be applied to automate tasks, enhance decision-making, and improve user interaction within SAP systems. The exam evaluates knowledge of handling model selection, fine-tuning, and adapting LLMs to specific business cases.
Topic 2	<ul style="list-style-type: none">• SAP's Generative AI Hub: This section of the exam measures the skills of Solution Architects and covers SAP's Generative AI Hub, which acts as the central layer for designing and managing generative AI solutions. The exam tests knowledge of building, deploying, and connecting AI models to business scenarios through the Hub. Emphasis is placed on leveraging the Hub to streamline workflows and ensure scalable solutions that align with organizational needs.
Topic 3	<ul style="list-style-type: none">• Advanced AI Techniques with SAP's Generative AI Hub: This section of the exam measures the skills of Solution Architects and covers advanced techniques available through SAP's Generative AI Hub. Candidates are assessed on their ability to design, optimize, and scale generative AI solutions that go beyond basic implementations. The focus includes applying sophisticated strategies to integrate advanced models, manage performance, and align AI-driven outcomes with complex enterprise goals.

Topic 4	<ul style="list-style-type: none"> • SAP AI Core: This section of the exam measures the skills of AI Developers and covers the fundamental components of SAP AI Core. Candidates are assessed on their ability to work with the core services that allow machine learning models to be deployed and managed within SAP environments. The focus is on understanding how AI Core fits into SAP's ecosystem and ensures smooth integration with enterprise applications.
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SAP Certified Associate - SAP Generative AI Developer Sample Questions (Q62-Q67):

NEW QUESTION # 62

What must be defined in an executable to train a machine learning model using SAP AI Core? Note: There are 2 correct answers to this question.

- A. User scripts to manually execute pipeline steps
- B. Deployment templates for SAP AI Launchpad
- **C. Pipeline containers to be used**
- **D. Infrastructure resources such as CPUs or GPUs**

Answer: C,D

Explanation:

When training a machine learning model using SAP AI Core, defining an executable requires specifying certain key components to ensure the training process is efficient and effective.

1. Pipeline Containers to Be Used:

* Definition: Pipeline containers encapsulate the environments and dependencies necessary for each step of the machine learning workflow, including data preprocessing, model training, and evaluation.

* Specification in Executable: Within the executable, it's essential to define which pipeline containers will be utilized to ensure that each stage of the training process has the appropriate tools and libraries.

NEW QUESTION # 63

What is the purpose of splitting documents into smaller overlapping chunks in a RAG system?

- A. To simplify the process of training the embedding model
- B. To reduce the storage space required for the vector database
- **C. To enable the matching of different relevant passages to user queries**
- D. To improve the efficiency of encoding queries into vector representations

Answer: C

Explanation:

In Retrieval-Augmented Generation (RAG) systems, splitting documents into smaller overlapping chunks is a crucial preprocessing step that enhances the system's ability to match relevant passages to user queries.

1. Purpose of Splitting Documents into Smaller Overlapping Chunks:

* Improved Retrieval Accuracy: Dividing documents into smaller, manageable segments allows the system to retrieve the most relevant chunks in response to a user query, thereby improving the precision of the information provided.

* Context Preservation: Overlapping chunks ensure that contextual information is maintained across segments, which is essential for understanding the meaning and relevance of each chunk in relation to the query.

2. Benefits of This Approach:

- * Enhanced Matching:By having multiple overlapping chunks, the system increases the likelihood that at least one chunk will closely match the user's query, leading to more accurate and relevant responses.
- * Efficient Processing:Smaller chunks are easier to process and analyze, enabling the system to handle large documents more effectively and respond to queries promptly.

NEW QUESTION # 64

Which of the following must you do before connecting to a dataset in order to train a machine learning model in SAP AI Core?

Note: There are 2 correct answers to this question.

- A. Grant access rights to the SAP BTP cockpit.
- **B. Provide the storage secret to access the dataset.**
- C. Store the dataset in the SAP HANA Vector Engine.
- **D. Store the dataset in a hyperscaler object store.**

Answer: B,D

Explanation:

Before connecting to a dataset for training a machine learning model in SAP AI Core, the following steps are necessary:

* Store the dataset in a hyperscaler object store:Ensure that the dataset is stored in a compatible object storage service provided by a cloud hyperscaler (e.g., AWS S3, Azure Blob Storage) to facilitate seamless access during training.

* Provide the storage secret to access the dataset:Configure the necessary access credentials (storage secrets) within SAP AI Core to securely connect to and retrieve the dataset from the object store.

These steps are essential to establish a secure and efficient connection to the dataset, enabling successful model training within SAP AI Core.

NEW QUESTION # 65

What is a Large Language Model (LLM)?

- **A. An AI model that specializes in processing, understanding, and generating human language.**
- B. A rule-based expert system to analyze and generate grammatically correct sentences.
- C. A gradient boosted decision tree algorithm for predicting text.
- D. A database system optimized for storing large volumes of textual data.

Answer: A

Explanation:

A Large Language Model (LLM) is an advanced AI model designed to handle various natural language processing tasks.

1. Definition and Purpose:

* Processing:LLMs analyze human language to understand syntax, semantics, and context.

* Understanding:They interpret the meaning behind text, enabling comprehension of nuanced language elements.

* Generating:LLMs can produce coherent and contextually appropriate text, facilitating tasks like content creation and translation.

2. Characteristics of LLMs:

* Scale:These models are trained on vast datasets, encompassing billions of words, which enhances their language capabilities.

* Architecture:LLMs typically utilize complex neural network architectures, such as transformers, to manage and process language data effectively.

3. Applications:

* Content Generation:Creating articles, summaries, and reports.

* Language Translation:Converting text from one language to another with high accuracy.

* Conversational Agents:Powering chatbots and virtual assistants to interact with users naturally.

NEW QUESTION # 66

Match the components of a Retrieval Augmented Generation architecture to the diagram.

□

Answer:

Explanation:

□

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