Week 7

Applicable VLOs or EESs for This Week's Case Study

Recommend different systems architectures and data storage technologies to support data analytics.

ESS:
● Communication
● Information management
● Interpersonal Skills
● Personal Skills

This Week's Detailed Case Study Information

As twilight descends and the St. Lawrence River reflects Quebec's city lights, you, the consultants of Quisine Analytics, find yourselves on a riverboat cruise, a welcome retreat from your culinary empire. You're not alone in seeking respite; your data analysis team, crucial yet often overlooked, navigates a vast sea of customer data that could rival the river itself. Your task is to keep your ship steady amidst this surge, ensuring that the latest creation—a daring maple-bacon poutine donut—receives a data-driven launch worthy of its innovation.

The real-time data, essential for placing this inventive dish in various locations, tests the limits of your current system. With an eye on the future, you contemplate integrating new systems architectures and data storage technologies. You recognize that without a solid foundation in data analytics, even the most tantalizing trends might fade into the background.

As landmarks glide by, you discuss core metrics. The Data Processing Speed Indicator, at 200 transactions per second, falls short for the inflow of data. The Real-Time Analysis Ratio, gauging your system's instant processing capability, is at 70%—you aim to boost it to 95%.

Back on land, Quebec City's nightlife compels you to a late-night diner. Amidst clattering dishes and buzzing conversations, you mull over the Data Throughput Capacity, which sits at 1.5 terabytes per hour but must scale up for peak demands.

The next morning, after a night of reflection and a fortifying breakfast, you gather in a sunlit conference room. With the cityscape as your backdrop, you begin drafting a plan to incorporate new technology into your data-rich environment.

Your mission, consultants, is to ensure that Quisine Analytics remains at the forefront. Assist Bob and Alice not just in staying afloat but in confidently sailing ahead, leveraging data to create dishes that captivate both imagination and appetite.

Deliverables for This Week's Case Study

1. Construct a system upgrade proposal report detailing the integration of new data storage technologies to enhance Quisine Analytics' data processing capabilities.
2. Develop a training module for staff to effectively utilize real-time data analysis for the maple-bacon poutine donut launch.
3. Prepare a data scalability strategy presentation aimed at increasing the Data Throughput Capacity to accommodate peak demands. Record a video of your presentation.