Lab-07 MicroService

Part-3

A problem with a registry is that it is a single point of failure. Describe how you would solve this single point of failure problem?

1. Write a Business Continuity Plan.
2. Write Down Your Business Plan.
3. Define a Human Capital Strategy.
4. Prevent, Reduce, and Detect Internal Fraud.
5. Shine a Light in Hidden Costs.
6. Shift Risk to an Outsourced Provider.
7. Cut cost and Gain Expertise from Client Accounting Services.

Part-4

A problem with services is that a service can be down. If the StockService is down, the ProductService cannot work properly. Describe how you would solve this problem?

1. Use asynchronous communication (for example, message-based communication) across internal microservices.

2. Use retries with exponential backoff.

3. Work around network timeouts.

4. Use the Circuit Breaker pattern.

5. Provide fallbacks.