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| State | Finished |
| Completed on | Tuesday, 1 October 2019, 9:54 PM |
| Time taken | 5 mins 14 secs |
| Grade | 5.50 out of 10.00 (55%) |

Question **1**

Incorrect

Mark 0.00 out of 1.00

Even though a large enterprise might adopt a microservices architecture with independently running modules, for standards purposes they should use the same programming languages and databases to build each microservice.

Select one:

☒ True

☐ False

Question **2**

Correct

Mark 1.00 out of 1.00

You are starting a new company with an idea for a web based application with one of your college friends. It would be wise to start the project with a microservices-based architecture because this breaks a bigger project into smaller, easily coded components.

Select one:

☐ True

☒ False

Question **3**

Incorrect

Mark 0.00 out of 1.00

Microservice architecture is considered a subset of Service Oriented Architecture (SOA).

Select one:

☐ True

☒ False

Question **4**

Partially correct

Mark 0.50 out of 1.00

What are some key characteristics of microservices?

Select one or more:

☐ a. Business logic is deeply embedded in the pipes that connect services.

☒ b. Utilize RESTful web services.

☒ c. Organized around business capabilities.

☒ d. Infrastructure automation

Question **5**

Incorrect

Mark 0.00 out of 1.00

Generally speaking, a microservice architecture will be simpler and easier to build and maintain than a monolithic application.

Select one:

☒ True

☐ False

Question 6

Correct

Mark 1.00 out of 1.00

What are some key team practices and processes that are important for a successful implementation of a microservice architecture?

Select one or more:

- ☒ a. Automated testing ✓
- ☐ b. Co-located teams working in the same physical location
- ☐ c. Scrum project management
- ☒ d. Continuous integration and development ✓

Question 7

Correct

Mark 1.00 out of 1.00

The Netflix tool that randomly introduces failures into a distributed architecture to improve resiliency is called "

Chaos ✓ Monkey."

Question 8

Correct

Mark 1.00 out of 1.00

In addition to separating business logic into separate software components, microservice architecture also keeps data (aka persistent storage like e.g., databases) with the microservice.

Select one:

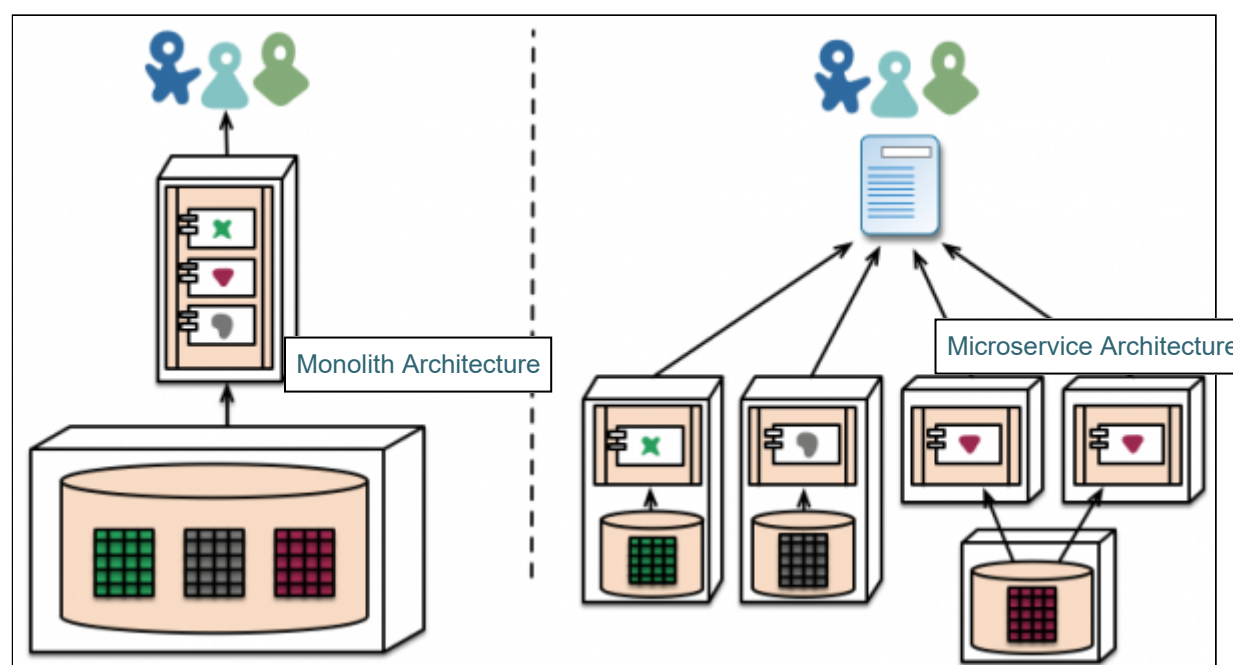
- ☒ True ✓
- ☐ False

Question 9

Correct

Mark 1.00 out of 1.00

Drag the architecture style to the location on the image that matches.



Your answer is correct.

Question 10

Incorrect

Mark 0.00 out of 1.00

When should a team consider moving from a monolith to a microservice architecture?

Select one or more:

- ☐ a. Releases are coming out less frequently because of instability of the large monolith code base.
- ☒ b. If they are anticipating a large spike in user growth ✗
- ☐ c. They are considering building a new application independent of the monolith.
- ☒ d. The enterprise wants to do rapid innovation and experimentation around a few small feature areas in the application. ✓

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