**CSCI 391 – ST: Microservices, Quiz 1 – What are Microservices?**

Name:

Student Id:

1. Independent Deployability (a core concept of microservices, and even in its general definition) is the idea that we can make a change to a microservice, deploy it, and release that change to our users, without having to deploy any other microservices.

I’ll also accept “Owning Its Own State” as this is a key factor to enable Independent Deployability.

1. Which of the following (choose 1) best describes what a microservice architecture prioritizes?
2. High cohesion of technical functionality over high cohesion of business functionality.
3. High cohesion of business functionality over high cohesion of technical functionality.
4. True or false, a monolithic architecture is a choice and *a valid one* at that?
5. Which of the following (choose 1) has a database that tends to lack the decomposition we find in the code level, leading to significant challenges if you want to pull apart the monolith in the future?
6. The Distributed Monolith.
7. The Modular Monolith.
8. The Single-Process Monolith.
9. Which of the following (choose 1) has all the disadvantages of a distributed system, *and* the disadvantages of a single-process monolith, without having enough of the upsides of either?
10. The Distributed Monolith.
11. The Modular Monolith.
12. The Single-Process Monolith.

*Extra Credit*

Which company (covered in class) is an example of an organization that has used **The Modular Monolith** as an alternative to microservice decomposition?

Shopify.