

1. What is the difference between TDD and BDD?

- a. TDD – Test Driven Development – Write the test before starting development
- b. BDD – Behavior Driven Development – creating a minimum viable product – writing the simplest code to get it to pass the requirements.

2. What does mocking a class allow you to do? Test within the context of the class only. No need for an integration or database dependency to be completed or available to complete the test.

3. What is the value in separating your code into controller, service, and data access layers rather than keeping it all in the same files?

- Allows multiple developers to work on the same project at the same time.
- Creates more functionally specific code
- Easier to support and modularize.

4. Why would you want to avoid putting credentials in plaintext in your code?

- For security reasons. If someone had access to the credentials then they have access to the data.

5. What is one method that can be used to avoid putting plaintext database usernames and passwords into your code?

- Use LDAP authentication
- Use a Vault

6. What is your favorite thing you learned this week?

- Lambda expressions