PROG32758 - Assignment 4 – 5% Interview Questions

# Overview

In this assignment you will answer 3 interview questions. You will need to submit your answer in both written form and in video form.

# Questions

You will choose 3 of the following questions to answer.

1. What is Spring Boot and what are its benefits?
2. Explain Microservices and what features exist in Spring Boot to help develop them?
3. What makes Spring Boot preferred over other technologies?
4. Explain what Mavin is and what does it do?
5. What is H2 and how have you used it?
6. How is @RestController and @Controller different?
7. Explain 3 different Spring Boot Starters.
8. What does the @SpringBootApplication do?
9. List at least 3 different @Component annotations that you have used and what they are for.
10. What is Spring Boot DevTools used for?
11. Explain Thymeleaf in Spring Boot.
12. What is Inversion of Control and how does Spring Boot use it?

# Answers

You will record yourself answering 3 of the above questions. Each answer should be a maximum of 2 minutes long. Be brief but make sure to give an appropriate answer. You will also provide a written version of each of your answers along with the video. Provide examples if you feel they are relevant or help your explanation.

# Demonstrate Understanding

You are required to demonstrate your understanding of the question. This should not just be the first answer you google. Spend some time planning your answer before you record. A good answer will include an example and explanation of how and where you used your question information within the scope of the course.

# Submission

You will need to submit your video answer and your written answers into the appropriate dropbox. Instead of uploading your video to slate, you can upload the video to YouTube and provide a link in your submission. If you choose to upload the video to slate, and not to YouTube, and I am not able to view it you will be required to provide a live answer on a teams meeting in the morning of Monday August 21. Be advised that I will be marking and sending emails on August 19th and 20th so watch your email.

# Individual Assignment

Remember that this is an individual assignment meaning you are required to work on this alone. If you work, collaborate, discuss, or share your work with other students you risk a breach of academic integrity.

# Accommodations

Any students with accommodations for this assignment must email me at least 3 days before the assignment is due with the specified accommodation and arrangements will be discussed. Students who do not contact me at least 3 days before the due date void any accommodations for this assignment.

**Marking Scheme for each question.**

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| --- | --- |
| **Question stated** | /1 |
| **Written answer included** | /4 |
| **Answers**  0 - No answer given or answer completely irrelevant.  2 - A few good points but main issues missing. Does not demonstrate understanding. 4 - Some points covered, not all relevant. Some understanding demonstrated.  6 - Some points covered. Relevant information given. Some understanding demonstrated.  8 - Good answer. Relevant information. All or most points covered. Good understanding demonstrated.  10 - Perfect answer. All points addressed. All points relevant. Good understanding demonstrated. | /10 |
| **Total** | /15 |