A logo for a company

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**Assignment 1**

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**Submitted to:**

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**Subject: Advanced Web Application**

**Course code: CSD213**

Honesty Statement: “I declare that this submission is my own work in compliance with Sault College Academic Policies.”

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# Test 1 Part-2 Steps

## Step-1

1. In your own words, tell me what you think these lessons should be teaching you.

Answer: DevOps simply means Development and Operations is the process where company can easily install, deploy and update the software. So obviously, DevOps teach designing, building, and maintaining Continuous Integration and Continuous Deployment (CI/CD) pipelines.

1. Do you think the lessons were successful? Explain the reasons behind your opinion.

Answer: This lesson was successful. This is because I had zero knowledge about what DevOps was but after these lessons I have somehow now have the knowledge regarding the DevOps. These lessons has provided me the information regarding the relationships between company and software development and IT operations.

1. Basic technical questions (ask at least three and more as time permits):  
   a. What elements of your application will be unit tested?

Answer: The add(int a, int b) method will be unit tested.

b. How will you automate the unit testing?   
c. How will you handle a failed test?

Answer: If a test fails, the cause will be investigated by checking the error message and stack trace.

d. How will you handle a test that produces a different result from the last successful run of tests?

Answer: heck if the change is:

* Expected → for example, new logic was added or requirements changed → update the test cases accordingly.
* Unexpected → investigate if a bug was introduced in the recent code changes.

e. How will you integrate the product and how will you test the integrated application?

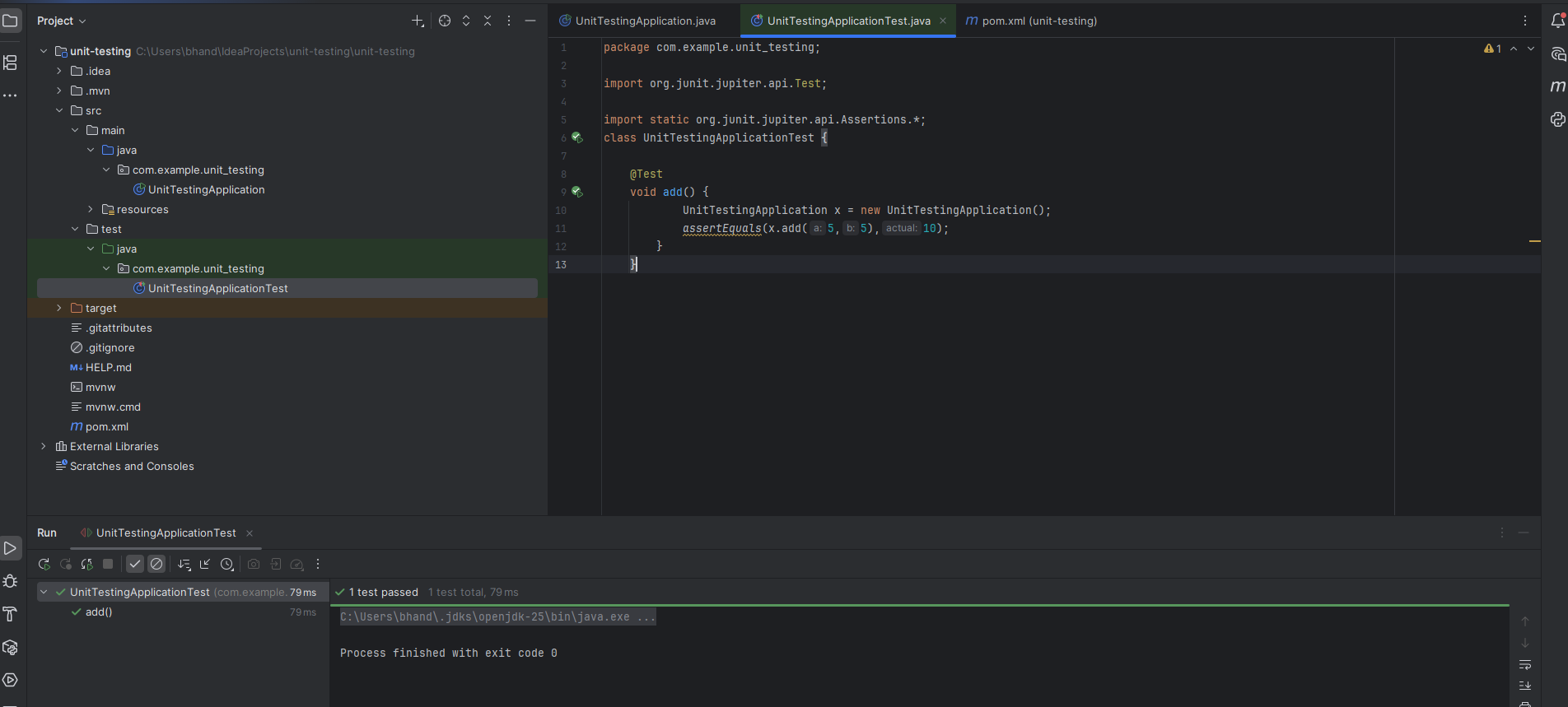
Answer: Use **JUnit 5** with the Spring Boot test starter (spring-boot-starter-test).

f. How do you plan to deploy your application following successful testing?

Answer: Package the Spring Boot app into a JAR using Maven (mvn clean package).

Deploy the JAR to the target environment (local server, cloud, or container).

## Step-2

Screesnshots

A screen shot of a computer

AI-generated content may be incorrect.