DEPLOY APPLICATION ON CLOUD

DESCRIPTION

Project objective:

As a developer, deploy your Spring Boot application on Cloud.

Background of the problem statement:

You have been assigned a new task during the sprint planning. You have been asked to deploy your Spring Boot application on the Cloud. You need to create and launch an instance, provide all the required privileges, and run your application.

You must use the following:

- Cloud: AWS

Following requirements should be met:

- A few of the source codes should be tracked on GitHub repositories. You need to document the tracked files which are ignored during the final push to the GitHub repository.

- The submission of your GitHub repository link is mandatory. In order to track your task, you need to share the link of the repository in the document.

- The step-by-step process involved in completing this task should be documented.

CODE

MAIN:-

```
package com.example.demo;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RestController;

@SpringBootApplication
@RestController
public class SpringBootAwsApplication {
    @GetMapping("/")
    public String home() {
        return "Welcome to AWS First Deployment...    DEPLOY
SPRINGBOOT TO AWS";
    }
    public static void main(String[] args) {
        SpringApplication.run(SpringBootAwsApplication.class,
args);
    }

}
```

SPRINGBOOT APPLICATION TEST:-

```java
package com.example.demo;
import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest
class SpringBootAwsApplicationTests {

    @Test
    void contextLoads() {
    }

}
```

//pom.xml:-

```xml
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>2.6.4</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.example</groupId>
    <artifactId>spring boot-aws-exp</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>war</packaging>
    <name>student-management-system-1</name>
    <description>Demo project for Spring Boot</description>
    <properties>
        <java.version>1.8</java.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>

        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-tomcat</artifactId>
            <scope>provided</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
```

```xml
                    <scope>test</scope>
            </dependency>
        </dependencies>

        <build>
            <plugins>
                <plugin>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-maven-plugin</artifactId>
                </plugin>
            </plugins>
            <finalName>spring boot-aws</finalName>
        </build>

</project>
```